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BRINGING RECOURCES TO
THE PEARLAND COMMUNITY

CITY OF PEARLAND, TEXAS

**2017
2021**

Capital Improvement
PROGAM
pearlandtx.gov



CITY OF PEARLAND
2017 – 2021
CAPITAL IMPROVEMENT PROGRAM (CIP)
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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 and extensions, the five-year CIP addresses the needs of the City through responsible City Government with a comprehensive and fiscally responsible approach.

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

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

CIP DEVELOPMENT PROCESS

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

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

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

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 budget. 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 Capital Improvement Program’s preparation. 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.

2017 - 2021 CAPITAL IMPROVEMENT PROGRAM

The Five-Year Capital Improvement Program for 2017 to 2021 totals \$545,372,147. 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.

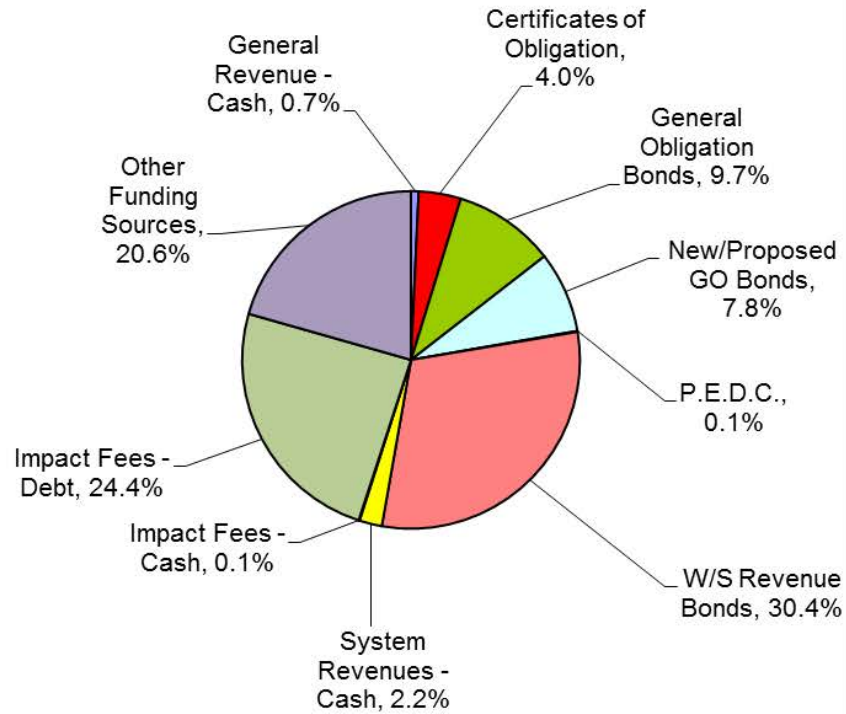
The 2017 - 2021 CIP completes the balance of funds from the 2007 bond referendum. As such, capital needs in the amount of \$114,709,239 have been identified and are listed in the

appendix of this document. This list of projects do not include potential projects from the completion of master plans including but not limited to the parks master plan, the drainage master plan, the facilities assessment study or potential transportation improvement plan opportunities.

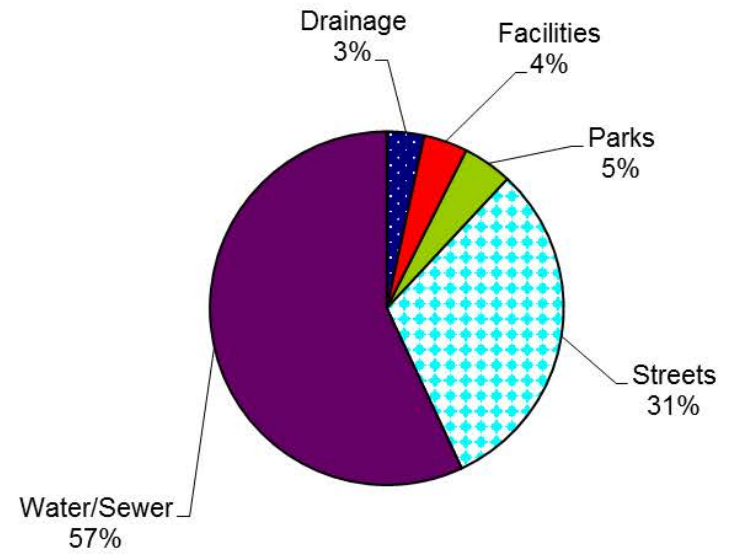
The City’s last bond referendum in 2007 totaled \$162 million taking 10 years to complete. In an effort to have a more manageable program that can be reasonably completed in a three to five year time frame and to manage the city debt, the 2017 – 2021 CIP includes a bond election in 2019 for \$69,680,555.

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

**2017 - 2021 CIP
by
Funding Source - \$545.4 Million**



**2017 - 2021 CIP
by
Project Type - \$545.4 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 Southeast Quadrant of Old Townsite Drainage, Linwood Subdivision, Corrigan Ditch Sub-Basin of Mary's Creek and PER for Future Bond Referendum.

PARKS

Parks projects include the construction of Independence Park Phase I, which will include the reorientation of entry into the park, relocation and replacement of existing playground, electrical and lighting improvements along with minor architectural details in the existing pavilion, blast and repaint the basketball court, additional parking, a small stage and sloped earthen amphitheater. The Delores Fenwick Nature Center funding will be used to complete design and begin construction on a 7,000 square foot building with an open air pavilion at one end that would include: restrooms, outdoor spray station and hose bibs, a classroom with a 50 seat capacity, and 400 square feet of storage. Funding is included for the construction for Green Tee Terrace Trail, which will be a 10-foot hike and bike trail from the Pearland Eastside Library/City Hall to Barry Rose Road, along the Clear Creek Corridor.

FACILITIES

Facility projects include the renovation of the City Hall Complex, which will accommodate much needed space for personnel, a result of the City's growth, provide for adjacencies and security improvements. Also included in Facility projects is the relocation and construction for Fire Station #1, construction for a new office facility at Orange Street Service Center and the Fiber Backbone project, which will extend and build out the fiber network to reach all city facilities.

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 Old Alvin Road Widening from Plum Street to McHard Road, Mykawa Road Widening from Orange to McHard, Max Road Expansion from Hughes Ranch to Reid Boulevard, McHard Road Extension from Mykawa Road to Cullen Parkway, Smith Ranch Road Extension (CR 94) from Hughes Ranch Road to Broadway, SH 288 Northbound Frontage Road from CR 59 to FM 518 (Broadway) and Orange Street Reconstruction from Main Street to Schlieder Drive.

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 installation of FM 521 Waterline from Broadway to Mooring Pointer, McHard Waterline Phase II from Cullen Parkway to Mykawa Road, Hughes Ranch Road West 12" Waterline, construction of 10 MGD Surface Water

Plant Phase, FM 521 Ground Storage Tank Expansion, Water Meter Change-out, Underground Piping Infrastructure at water facilities, and Transite Waterline Replacement. Wastewater projects include the expansion of Reflection Bay Water Reclamation facility, Barry Rose WRF Expansion installation of McHard Road Trunk Sewer from Garden to Southdown WWTP, relocation of the Mykawa Lift Stations, and sanitary sewer rehabilitation.

NEW/PROPOSED GO BOND

The new/proposed bond projects include the construction of Fire Station #8, Shadow Creek Library, Orange Street Service Center Phase II, Fire Training Field Phase I, JHEC Nature Trails Phase II, Independence Park Phase II, Shadow Creek Ranch Park Phase II, Park Equipment Replacement Program, Woodcreek Park Improvements, Street Reconstruction Program, Pearland Parkway Super Street, Pearland Parkway Traffic Circle Improvements, Kingsley Drive Expansion from Clear Creek to BW 8 and Broadway Expansion from SH 288 to Cullen.

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

USE	2017	2018	2019	2020	2021	TOTAL
DRAINAGE	8,215,638	3,806,166	6,508,536			18,530,340
PARKS	4,366,557	3,753,886	3,146,000	2,662,000	10,718,183	24,646,626
FACILITIES	5,901,170	1,593,350	6,995,000	682,338	6,795,492	21,967,350
STREETS	28,358,947	26,602,118	30,092,550	52,856,991	31,674,734	169,585,340
WATER	21,067,530	9,412,525	90,746,000	11,714,500	55,720,200	188,660,755
WASTEWATER	32,316,120	39,584,500	23,728,672	18,438,545	7,913,900	121,981,737
TOTAL	\$ 100,225,962	\$ 84,752,545	\$ 161,216,758	\$ 86,354,374	\$ 112,822,508	\$ 545,372,147

SOURCE OF FUNDS	2017	2018	2019	2020	2021	TOTAL
General Revenue - Cash	50,000	1,080,000	515,000	540,000	586,909	2,771,909
Certificates of Obligation	5,876,502	3,195,154	3,608,000	1,853,678	996,813	15,530,147
General Obligation Bonds	21,146,883	8,613,090	11,275,037	7,184,720	4,803,960	53,023,690
New/Proposed GO Bonds			16,516,000	10,002,095	15,881,860	42,399,955
PEDC	450,000					450,000
W/S Revenue Bonds	28,987,040	20,912,825	57,914,689	14,432,665	33,907,362	156,154,581
System Revenues - Cash	800,000	2,350,000	2,300,000	3,300,000	3,050,000	11,800,000
Impact Fees - Cash					470,200	470,200
Impact Fees - Debt	9,105,990	19,929,200	52,965,650	11,655,523	29,441,850	123,098,213
Other Funding Sources	12,053,587	23,048,711	16,122,382	37,216,093	23,853,155	112,293,928
<i>Plus Bonds Sold in Prior Years</i>						27,379,524
TOTAL	\$ 78,470,002	\$ 79,128,980	\$ 161,216,758	\$ 86,184,774	\$ 112,992,109	\$ 545,372,147

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.

CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
GENERAL REVENUE CASH

Project No.	Project Name	Amount
FACILITIES		
FA1701	Fiber Backbone	50,000
	Sub-Total	\$50,000
GENERAL REVENUE CASH TOTAL		\$50,000

**CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
CERTIFICATES OF OBLIGATION**

Project No.	Project Name	Amount
PARKS		
P20001	Independence Park Phase I	506,202
PK1402	Green Tee Terrace Trail	100,000
	Sub-Total	606,202
FACILITIES		
F20002	Tom Reid Library Expansion	500,000
FA1601	Fire Station #1	4,320,300
	Sub-Total	4,820,300
STREETS		
TR1701	SH 288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	450,000
	Sub-Total	450,000
CERTIFICATES OF OBLIGATION TOTAL		\$5,876,502

**CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
GENERAL OBLIGATION BONDS**

Project No.	Project Name	Amount
DRAINAGE		
DR1302	Southeast Quadrant of Old Townsite Drainage	3,875,940
DR1701	PER for Future Bond Referendum	500,000
	Sub-Total	4,375,940
PARKS		
P20001	Independence Park Ph. I	1,353,964
P20004	Delores Fenwick Nature Center	1,833,653
	Sub-Total	3,187,617
STREETS		
T20002	Old Alvin Road Widening - Plum St to McHard Rd	8,729,957
TR0601	Mykawa Road Widening - BW 8 to FM 518	208,800
TR1205	Max Road Expansion - Hughes Ranch to Reid Blvd	2,309,304
TR1405	McHard Road Extension - Mykawa Rd to Cullen Pkwy	1,725,637
TR1501	Smith Ranch Rd Extension (CR 94) - Hughes Ranch Rd to Broadway	609,628
	Sub-Total	13,583,326
GENERAL OBLIGATION BONDS TOTAL		\$21,146,883

CITY OF PEARLAND
 2017 PROJECTS BY FUNDING SOURCE
 PEDC

Project No.	Project Name	Amount
FACILITIES		
TR1701	SH 288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	450,000
	Sub-Total	450,000
PEDC TOTAL		\$450,000

**CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
W/S REVENUE BONDS**

Project No.	Project Name	Amount
WATER		
WA1505	FM 521 Waterline - Broadway to Mooring Pointer	420,000
WA1601	McHard Rd. 16" Waterline Phase II - Cullen Parkway to Mykawa Rd.	2,968,240
WA1602	Hughes Ranch Rd West 12" Water Line	453,000
WA1605	Surface Water Plant Phase I (10 MGD)	3,250,000
WA1701	FM 521 Ground Storage Tank Expansion	152,525
WA1703	Underground Piping Infrastructure at Water Production Facilities	250,000
WA1704	Transite Pipe Waterline Replacement Program	500,000
WA1702	Water Meter Change-out	11,000,000
	Sub-Total	18,993,765
WASTEWATER		
WW1405	Reflection Bay Water Reclamation	341,905
WW1406	McHard Rd Trunk Sewer - Garden to Southdown WWTP	1,064,750
WW1502	Barry Rose WWTP Expansion	1,470,000
WW1601	Mykawa Lift Stations	5,501,620
WW1604	Green Tee 1 to Riverstone Wastewater Diversion	840,000
WW1701	Lift Station Program	275,000
WW1702	Sanitary Sewer Rehabilitation	500,000
	Sub-Total	9,993,275
W/S REVENUE BONDS TOTAL		28,987,040

CITY OF PEARLAND
 2017 PROJECTS BY FUNDING SOURCE
 SYSTEM REVENUE - CASH

Project No.	Project Name	Amount
FACILITIES		
FA1701	Fiber Backbone	50,000
	Sub-Total	\$50,000
WATER		
WA1001	General Engineering/CIP Administration	550,000
WA1702	Water Meter Change-out	200,000
	Sub-Total	750,000
SYSTEM REVENUE - CASH TOTAL		800,000

**CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
IMPACT FEES - DEBT**

Project No.	Project Name	Amount
WATER		
WA1601	McHard Rd. 16" Waterline Phase II - Cullen Parkway to Mykawa Rd.	2,868,240
WA1602	Hughes Ranch Rd West 12" Water Line	453,000
WA1605	Surface Water Plant Phase I (10 MGD)	3,250,000
	Sub-Total	6,571,240
WASTEWATER		
WW1406	McHard Rd Trunk Sewer - Garden to Southdown WWTP	1,064,750
WW1502	Barry Rose WWTP Expansion	1,470,000
	Sub-Total	2,534,750
IMPACT FEES - DEBT TOTAL		\$9,105,990

**CITY OF PEARLAND
2017 PROJECTS BY FUNDING SOURCE
OTHER FUNDING SOURCES**

Project No.	Project Name	Amount
DRAINAGE		
DR1602	Corrigan Ditch Sub-Basin of Mary's Creek Drainage Improvements	2,770,232
	Sub-Total	2,770,232
PARKS		
PK1402	Green Tee Terrace Trail	400,000
	Sub-Total	400,000
STREETS		
TR0601	Mykawa Road Widening - BW 8 to FM 518	835,200
TR1205	Max Road Expansion - Hughes Ranch to Reid Blvd	530,696
TR1405	McHard Road Extension - Mykawa Rd to Cullen Pkwy	6,902,550
TR1501	Smith Ranch Rd Extension (CR 94) - Hughes Ranch Rd to Broadway	312,384
	Sub-Total	8,580,830
WATER		
WA1701	FM 521 Ground Storage Tank Expansion	152,525
WA1702	Water Meter Change-out	100,000
	Sub-Total	252,525
WASTEWATER		
WW1605	Roy/Max/Garden Roads Basin Sewage System	50,000
	Sub-Total	50,000
OTHER FUNDING SOURCES TOTAL		12,053,587
GRAND TOTAL ALL FUNDING SOURCES		78,470,002

**CITY OF PEARLAND
2017 - 2021
CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL PAGE LOCATION**

Project No.	Project Name	Detail Page
DR1103	Cullen/FM 518 Regional Detention Pond	16
DR1301	Lower Kirby Urban Center Regional Detention	17
DR1302	Old Townsite Drainage	18
DR1501	Master Drainage Plan	19
DR1601	Linwood Subdivision Street and Drainage	20
DR1602	Corrigan Ditch Sub-Basin of Mary's Creek Drainage Improvements	21
DR1701	PER for Future Bond Referendum	22
DR2002	D.L. Smith Detention Pond Expansion Phase I	23
P20001	Independence Park Phase I	26
P20004	Delores Fenwick Nature Center	27
P50071	Centennial Park Phase II	28
P50072	Trail Connectivity Phase II	29
PK1401	Shadow Creek Ranch Trail	30
PK1402	Green Tee Terrace Trail	31
PK1801	PER for Future Bond Referendum	32
PK1802	Clear Creek Trail	33
PK1901	JHEC Nature Trails Phase II	34
PK1902	Park Equipment Recapitalization	35
PK1903	Independence Park Phase II	36
PK1904	Woodcreek Park Expansion	37
PK2001	Shadow Creek Ranch Park Phase II	38
F20002	Tom Reid Library Expansion	41
FA0904	City Hall Complex Renovations	42
FA1404	Orange Street Service Center	43
FA1501	Fire Station #8	44
FA1601	Fire Station #1	45
FA1701	Fiber Backbone	46

**CITY OF PEARLAND
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PROJECT DETAIL PAGE LOCATION**

Project No.	Project Name	Detail Page
FA1801	PER	47
FA1802	Facilities Assessment and Maintenance Plan	48
FA1901	Fire Training Field Phase I	49
FA2001	Shadow Creek Library	50
FA2002	Orange Street Service Center Phase 2	51
T08002	Bailey Road Extension - Veterans to FM 1128	54
T20002	Old Alvin Rd Widening - Plum Street to McHard Road	55
TR0601	Mykawa Road Widening - Orange to McHard	56
TR1201	Hughes Ranch Road (CR 403) - Cullen to Smith Ranch	57
TR1202	Fite Road Extension - Veterans to McLean	58
TR1205	Max Road Expansion - Hughes Ranch to Reid Blvd.	59
TR1405	McHard Road Extension - Mykawa Road to Cullen Parkway	60
TR1406	Hooper Road Extension	61
TR1407	SH288 Tollway - CR 58 to US 59	62
TR1501	Smith Ranch Road Expansion (CR 94) - Hughes Ranch to Broadway	63
TR1502	Industrial Drive Realignment	64
TR1601	Intersection Improvements	65
TR1602	Safe Routes to School	66
TR1603	West McHard Pedestrian Path	67
TR1701	SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	68
TR1703	Orange Street Reconstruction	69
TR1801	PER for Future Bond Referendum	70
TR1802	Multi-Modal Master Plan	71
TR1803	Intersection Improvements	72
TR1901	Broadway Expansion - SH 288 to SH 35	73
TR1902	Pearland Parkway Traffic Circle Modifications	74
TR1903	Pearland Parkway Superstreet Modifications	75

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PROJECT DETAIL PAGE LOCATION**

Project No.	Project Name	Detail Page
TR1904	Street Reconstruction	76
TR2001	Kingsley Drive - Clear Creek to Beltway 8	77
WA1001	General Engineering/CIP Administration	80
WA1501	Toll Road Utility Relocations	81
WA1504	Hooper Road Water Line	82
WA1505	FM 521 Water Line - Broadway to Mooring Pointe	83
WA1601	McHard Rd. 16" Water Line Phase II - Cullen Parkway to Mykawa Road	84
WA1602	Hughes Ranch Road West 12" Water Line	85
WA1605	Surface Water Plant Phase 1 (10 MGD)	86
WA1701	FM 521 Ground Storage Tank Expansion	87
WA1702	Water Meter Changeout	88
WA1703	Underground Piping Infrastructure at Water Facilities	89
WA1704	Transite Water Line Replacement Program	90
WA1806	Bailey Water Plant Improvements	91
WA1901	Hughes Ranch Road East 12" Water Line Phase II	92
WA1902	FM 1128 16" Water Line - Bailey to CR 100	93
WA1903	CR 100 16" Water Line - Veterans Dr to FM 1128	94
WA1904	Harkey Rd. 12" Water Line - CR100 to CR128 & CR128 from Harkey to Veterans	95
WA1905	Veterans Dr. 16" Water Line - Bailey Rd. to CR 128	96
WA2001	CR 48 Water Line - Surface Water Plant to Broadway	97
WA2002	CR 59 Water Line - CR 48 to Kirby Dr	98
WA2003	30" Water Main - Surface Water Plant to FM1128 along American Canal	99
WA2004	CR 48 Water Line - Surface Water Plant to CR 58	100
WW0901	Riverstone Ranch Oversizing	103
WW1201	Southdown (North Central) WRF Rehabilitation	104

**CITY OF PEARLAND
2017 - 2021
CAPITAL IMPROVEMENT PROGRAM
PROJECT DETAIL PAGE LOCATION**

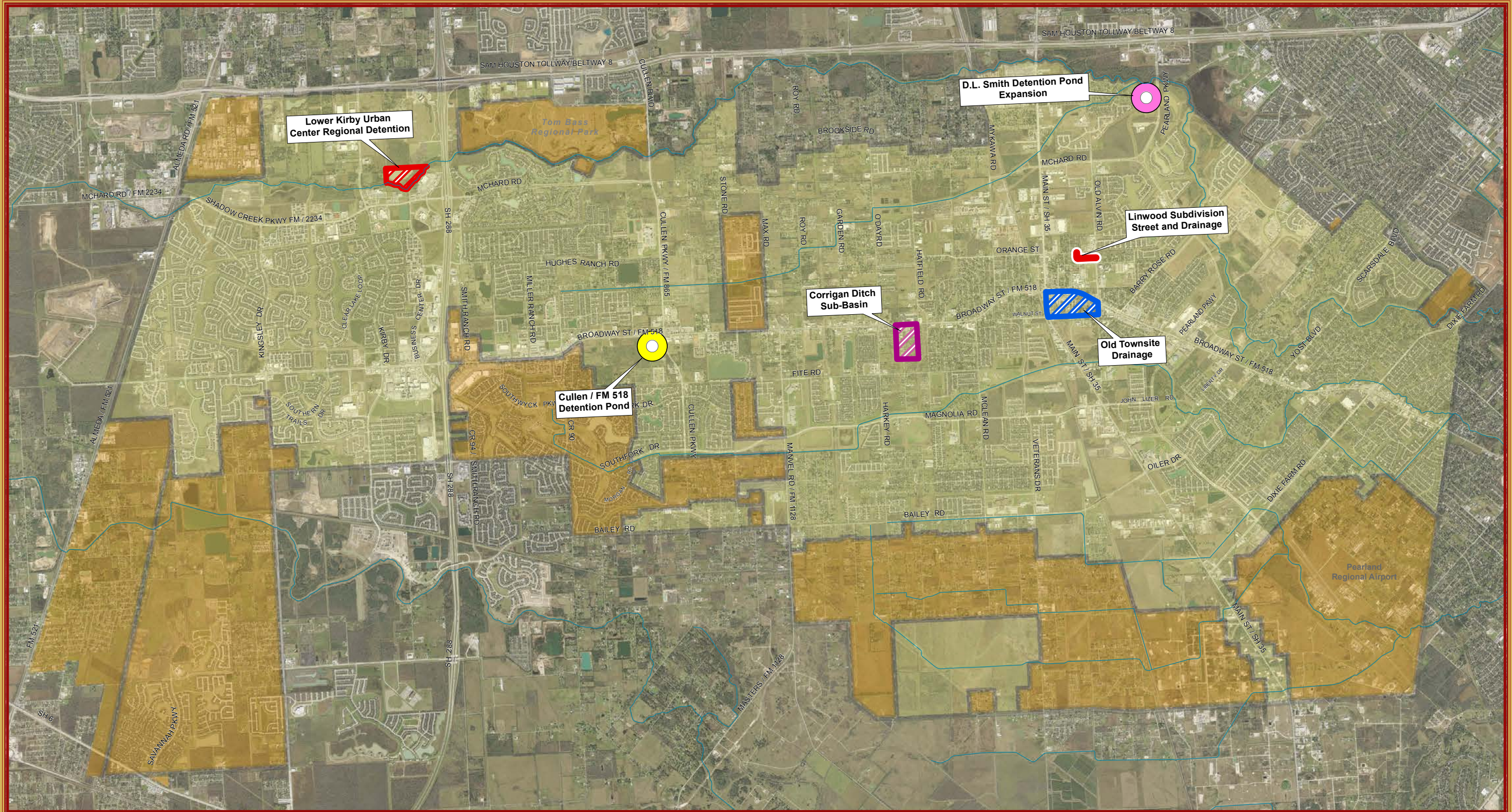
Project No.	Project Name	Detail Page
WW1401	Oak Brook Estates Lift Station - WWM Project 21	105
WW1402	Pearland Heights Lift Station	106
WW1405	Reflection Bay Water Reclamation	107
WW1406	McHard Rd Trunk Sewer (Garden to Southdown WRF)	108
WW1407	Hooper Road Sanitary Sewer	109
WW1502	Barry Rose WRF Expansion	110
WW1504	(JHEC) SWEC Filter and Bar Screen Improvements	111
WW1506	Lift Station Program	112
WW1507	Sanitary Sewer Rehabilitation	113
WW1508	Reflection Bay Package Plant	114
WW1601	Mykawa Lift Stations	115
WW1603	JHEC WRF Expansion - WWM Project 29A	116
WW1604	Green Tee 1 to Riverstone Wastewater Diversion	117
WW1605	Roy/Max/Garden Roads Basin Sewage System	118
WW1701	Lift Station Program	119
WW1702	Sanitary Sewer Rehabilitation	120
WW1901	Veterans Drive Lift Station Service Area	121
WW2101	Southdown Regional Lift Station & Force Main	122

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
DRAINAGE**






Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
DR1103	Cullen/FM 518 Detention Pond	240,500		940,500	3,608,000			4,789,000	4,548,500
DR1301	Lower Kirby Urban Center Regional Detention Southeast Quadrant of Old Townsite	226,864						226,864	
DR1302	Drainage	944,902	3,795,406					4,740,308	3,795,406
DR1501	Master Drainage Plan	382,000						382,000	
DR1601	Linwood Subdivision Street and Drainage (Old Alvin Street to Orange Street)	50,000	1,150,000					1,200,000	1,150,000
DR1602	Corrigan Ditch Sub-Basin of Mary's Creek Drainage Improvements	580,000	2,770,232					3,350,232	2,770,232
DR1701	PER for Future Bond Referendum		500,000					500,000	500,000
DR2002	D.L. Smith Detention Pond Expansion Phase I	88,036		2,865,666	2,900,536			5,854,238	5,766,202
	TOTAL	2,512,302	8,215,638	3,806,166	6,508,536			21,042,642	18,530,340



SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash	1,200,000						1,200,000	
Certificates of Obligation	88,036		91,935	3,608,000			3,787,971	3,699,935
General Obligation Bonds	1,533,910	4,375,940	3,590,666	2,900,536			12,401,052	10,867,142
New/Proposed GO Bonds								
PEDC	226,864						226,864	
W/S Revenue Bonds								
System Revenues - Cash								
Impact Fees - Cash								
Impact Fees - Debt								
Other Funding Sources	656,523	2,770,232					3,426,755	2,770,232
<i>Plus Bonds Sold in Prior Years</i>								<i>1,193,031</i>
TOTAL	3,705,333	7,146,172	3,682,601	6,508,536			21,042,642	18,530,340

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.

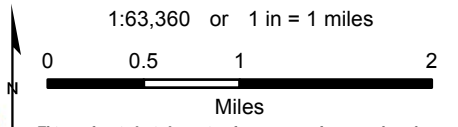


CITY OF PEARLAND
2017 - 2021
Capital Improvement Projects
Drainage

-  Cullen/FM 518 Detention Pond
-  D.L. Smith Detention Pond Expansion Phase I
-  Lower Kirby Urban Center Regional Detention
-  Corrigan Ditch Sub-Basin
-  Old Townsite Drainage

-  City Limits
-  ETJ

Projects Not Shown
 * Master Drainage Plan
 * PER for Future Bond Referendum



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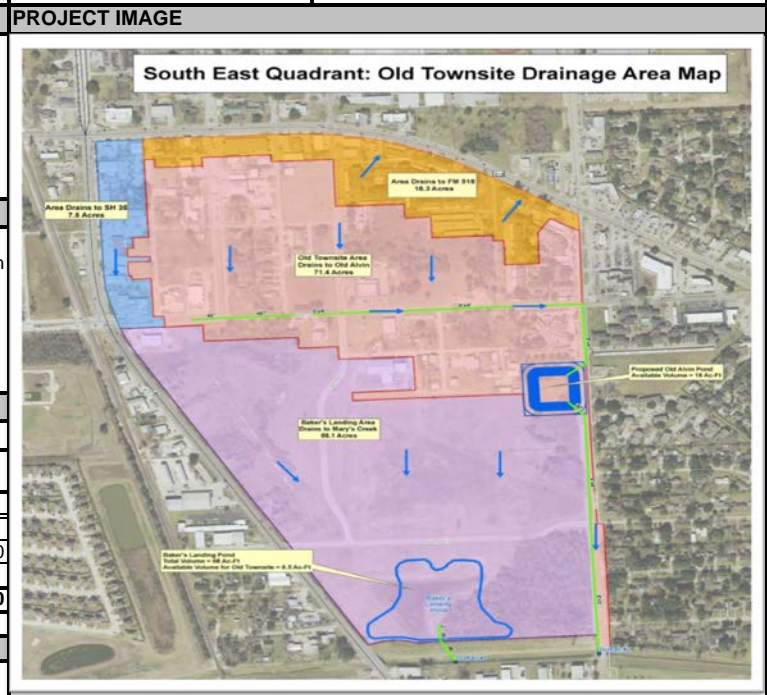
MAP PREPARED: JULY 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Cullen/FM 518 Detention Pond					DR1103		6				
PROJECT DESCRIPTION											
<p>The City's Sub Regional Detention Master Plan identified the southwest quadrant of FM 518/ Cullen Parkway as a potential location for a sub-regional detention pond. The pond would be constructed in phases with developer contributing land or excavation. This 1st phase includes minor ROW acquisition, existing ditch improvements and possible underground storm sewer improvements. Ultimate service area is approximately 265 acres. Preliminary Engineering Report was completed in October 2013.</p>											
PROJECT JUSTIFICATION											
<p>This project was one of the highest priority projects from the City's Regional Detention Study conducted in 2010. The proposed detention pond will provide the required detention for future development allowing development along FM 518 without the need for individual detention ponds.</p>											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$240,500	\$240,500	\$250,000	\$240,500						\$240,500
Land/Right of Way		\$500,000	\$500,000	\$500,000			\$500,000				\$500,000
Design/Surveying		\$343,000	\$343,000	\$200,000			\$343,000				\$343,000
Construction		\$3,110,000	\$3,110,000					\$3,110,000			\$3,110,000
Equipment & Furniture											\$0
Contingency		\$595,500	\$595,500				\$97,500	\$498,000			\$595,500
TOTAL COSTS		\$4,789,000	\$4,789,000	\$950,000	\$240,500	\$0	\$940,500	\$3,608,000	\$0	\$0	\$4,789,000
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$3,699,935	\$3,699,935				\$91,935	\$3,608,000			\$3,699,935
General Obligation Bonds		\$1,089,065	\$1,089,065	\$950,000	\$364,065		\$725,000				\$1,089,065
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$4,789,000	\$4,789,000	\$950,000	\$364,065	\$0	\$816,935	\$3,608,000	\$0	\$0	\$4,789,000
1 Explain & Identify Type of Other Sources:						Project Manager: Susan Johnson					
						Project's Approval Date:					

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Lower Kirby Urban Center Regional Detention					DR1301		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
<p>This project will provide regional storm water detention for the area bounded by BW8 to the north, Clear Creek to the south, Kirby Drive to the west, and SH288 to the east. Based on preliminary studies, the system will consist of one detention pond near Clear Creek, combined with a widening of the TxDOT ditch to provide conveyance and storage between BW8 and Clear Creek. The initial construction phase in FY2014 will consist of the inflow and outflow structures between the ditch and pond, which will provide approximately 95 acre feet of storage. Subsequent projects will be developer driven.</p>											
PROJECT JUSTIFICATION											
<p>This project was one of the highest priority projects from the City's Regional Detention Study conducted in 2010. The concept is also supported by the Lower Kirby Urban Center Master Plan and Implementation Strategy. The project will allow properties within the sub-watershed boundaries to contribute to the construction of the system or buy-in to the detention system in-lieu of constructing individual ponds on each property, increasing the amount of developable land. The City has agreements in place with the Pearland Municipal Management District and the Lower Kirby Pearland Management District which will reimburse the City to construct the regional system.</p>											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way		\$1,386,000	\$1,386,000								\$0
Design/Surveying		\$650,000	\$650,000	\$226,864	\$226,864						\$226,864
Construction		\$5,709,000	\$5,709,000								\$0
Equipment and Furniture											\$0
Contingency		\$100,000	\$100,000								\$0
TOTAL COSTS		\$7,845,000	\$7,845,000	\$226,864	\$226,864	\$0	\$0	\$0	\$0	\$0	\$226,864
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC		\$4,295,000	\$4,295,000	\$226,864	\$226,864						\$226,864
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$3,550,000	\$3,550,000								\$0
TOTAL SOURCES		\$7,845,000	\$7,845,000	\$226,864	\$226,864	\$0	\$0	\$0	\$0	\$0	\$226,864
¹ Explain & Identify Type of Other Sources: Funds from Fund 200 - Regional Detention. Projects are developer driven, funded by PEDC, reimbursed in the future from the two management districts based on property value on the ground.							Project Manager: Jennifer Lee Project's Approval Date: 3/26/2014				

PROJECT NAME	PROJECT #	PREFERENCE ORDER
Southeast Quadrant of Old Townsite Drainage	DR1302	3

PROJECT DESCRIPTION
 The 71.4-acre service area boundary is approximately 150 ft. south of FM 518 on the north side, Old Alvin Rd on the east, Beechcraft St. on the south and S. Houston Ave. on the west and is within the southeast quadrant of the Old Townsite. The scope of the project is the development of a sub-regional drainage and detention plan to serve the 71.4 acre area. The project will develop a Preliminary Engineering Report utilizing the 8 acre feet of volume in the Baker's Landing pond and develop plans for a proposed detention pond location along Old Alvin utilizing a collection and conveyance system along Walnut and Old Alvin streets. The proposed pond will provide detention for both development and street improvements within the area and will also provide a detention buy-in strategy for re-development within the 71 acre Old Town Site area.



PROJECT JUSTIFICATION
 The development of Sub-Regional detention for this area is a Council set priority due to the desire to see this historic area re-develop. Re-development of the area is hindered by the requirement to provide detention without the loss of land associated with on-site ponds. The sub-regional pond will also provide mitigation for future street improvements associated with redevelopment of the area.

INCREMENTAL OPERATING AND MAINTENANCE COSTS

Impact on operating budget No Yes (See Below)

Fiscal Year	2017	2018	2019	2020	2021
Total Revenue					
Personnel Services					
Operation & Maintenance		\$21,000	\$21,000	\$21,000	\$21,000
Capital Outlay					
Total Expense		\$21,000	\$21,000	\$21,000	\$21,000
FTE Staff Total					

COST AVOIDANCE/PAYBACK PERIOD EXPLANATION


PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$163,034	\$163,034	\$82,500	\$163,034						\$163,034
Land/Right of Way	\$453,078	\$453,078	\$259,800	\$453,078						\$453,078
Design/Surveying	\$393,021	\$393,021	\$421,534	\$328,790	\$64,231					\$393,021
Construction	\$3,411,175	\$3,411,175			\$3,411,175					\$3,411,175
Equipment and Furniture										\$0
Contingency	\$320,000	\$320,000			\$320,000					\$320,000
TOTAL COSTS	\$4,740,308	\$4,740,308	\$763,834	\$944,902	\$3,795,406	\$0	\$0	\$0	\$0	\$4,740,308

FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds	\$4,083,785	\$4,083,785	\$587,834	\$207,845	\$3,875,940					\$4,083,785
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$656,523	\$656,523	\$176,000	\$656,523						\$656,523
TOTAL SOURCES	\$4,740,308	\$4,740,308	\$763,834	\$864,368	\$3,875,940	\$0	\$0	\$0	\$0	\$4,740,308

¹Explain & Identify Type of Other Sources: Reallocation of Town Ditch & Veterans/Walnut (\$176,000). Reallocation of \$480,523 from Mary's Creek Bridge (DR2005) in Fund 503.


Project Manager: Andrea Brinkley

Project's Approval Date:

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Master Drainage Plan					DR1501		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
The Master Drainage Plan will incorporate all of the studies and improvements that have been performed to date and develop a base model for the areas under the jurisdiction of the City. Phase 1 includes data collection and evaluation. Phase 2 includes updates to the existing model, identification of existing and potential flood hazards, development of mitigation strategies, update existing design criteria, and develop/prioritize capital improvement projects. The plan is being developed cooperatively with Brazoria Drainage District #4.										
PROJECT JUSTIFICATION										
Over the last decade the City has experienced significant growth and development which can create increased flooding risks. The study will provide a means with which to more effectively plan drainage improvements within the City and the Brazoria Drainage District #4.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$382,000	\$382,000	\$382,000	\$382,000						\$382,000
Construction										\$0
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$382,000	\$382,000	\$382,000	\$382,000	\$0	\$0	\$0	\$0	\$0	\$382,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds	\$382,000	\$382,000	\$382,000	\$382,000						\$382,000
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$382,000	\$382,000	\$382,000	\$382,000	\$0	\$0	\$0	\$0	\$0	\$382,000
Explain & Identify Type of Other Sources:						Project Manager: Engineering				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Linwood Subdivision Street and Drainage (Old Alvin Street to Orange Street)					DR1601		1			
PROJECT DESCRIPTION					PROJECT IMAGE					
The project includes the removal of existing 20' wide 1330' long asphalt pavement and storm drainage system to a new concrete curb and gutter roadway and storm sewer system to serve the area. The project should also include improvements of the drainage system from Linwood to Old Alvin Road along Orange Street.										
PROJECT JUSTIFICATION										
There have been several complaints about the flooding by the residence of the subdivision. The residents participated in various council meetings to requesting improvements of drainage and street conditions in the area. Since this is an older part of town and the street and drainage system was not designed to meet most of the current engineering criteria and it is almost time to rehabilitate the street and drainage system, it is worthwhile to bring the existing infrastructure to current standard and solve the associated problems.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$50,000	\$50,000	\$50,000	\$50,000						\$50,000
Construction	\$907,500	\$907,500	\$907,500		\$907,500					\$907,500
Equipment and Furniture										\$0
Contingency	\$242,500	\$242,500	\$242,500		\$242,500					\$242,500
TOTAL COSTS	\$1,200,000	\$1,200,000	\$1,200,000	\$50,000	\$1,150,000	\$0	\$0	\$0	\$0	\$1,200,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000						\$1,200,000
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000
¹Explain & Identify Type of Other Sources:						Project Manager: Engineering				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Corrigan Ditch Sub-Basin of Mary's Creek Drainage Improvements					DR1602		2			
PROJECT DESCRIPTION					PROJECT IMAGE					
The project site is located along Wagon Trail Road between FM 518 and Bardet Road. The project includes the reconstruction of Wagon Trail (FM 518 to Bardet Road), Cantu Rd, and Ochoa Rd in order to improve the drainage and roadway infrastructure. This project will require purchase of drainage easement in order to extend the drainage system along Ochoa Rd to outfall into Corrigan Ditch.										
PROJECT JUSTIFICATION										
This project has been identified as the Task 1 of the COP and BDD4 master drainage plan. The commercial as well as residential area within the project site along Wagon Trail, Cantu Rd, and Ochoa Rd has seen several repetitive losses due to flooding time and again in the past. Proposed roadway and drainage improvement will shorten the drainage path to Corrigan Ditch and remove the runoff quickly and reduce the flooding potential.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$100,000	\$100,000		\$100,000						\$100,000
Design/Surveying	\$380,000	\$380,000		\$380,000						\$380,000
Construction	\$2,538,462	\$2,538,462			\$2,538,462					\$2,538,462
Equipment and Furniture										\$0
Contingency	\$331,770	\$331,770		\$100,000	\$231,770					\$331,770
TOTAL COSTS	\$3,350,232	\$3,350,232	\$0	\$580,000	\$2,770,232	\$0	\$0	\$0	\$0	\$3,350,232
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds	\$580,000	\$580,000		\$580,000						\$580,000
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$2,770,232	\$2,770,232			\$2,770,232					\$2,770,232
TOTAL SOURCES	\$3,350,232	\$3,350,232	\$0	\$580,000	\$2,770,232	\$0	\$0	\$0	\$0	\$3,350,232
¹ Explain & Identify Type of Other Sources: Potential grant.						Project Manager:				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
PER for Future Bond Referendum					DR1701		4				
PROJECT DESCRIPTION					PROJECT IMAGE						
Provide funding for preliminary engineering on future projects yet to be identified from the Drainage Master Plan to be conducted in FY 2016. Preliminary engineering would tighten down scopes and provide for estimated construction dollars that would be needed to take a proposition to the voters.											
PROJECT JUSTIFICATION											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								PROJECT TOTAL
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	
Prelim. Engineering Report		\$500,000	\$500,000		\$500,000					\$500,000	
Land/Right of Way										\$0	
Design/Surveying										\$0	
Construction										\$0	
Equipment and Furniture										\$0	
Contingency										\$0	
TOTAL COSTS		\$500,000	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								PROJECT TOTAL
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	
General Revenue - Cash										\$0	
Certificates of Obligation										\$0	
General Obligation Bonds		\$500,000	\$500,000		\$500,000					\$500,000	
New/Proposed GO Bonds										\$0	
PEDC										\$0	
W/S Revenue Bonds										\$0	
System Revenue - Cash										\$0	
Impact Fees - Cash										\$0	
Impact Fees - Debt										\$0	
Other Funding Sources ¹ -										\$0	
TOTAL SOURCES		\$500,000	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Explain & Identify Type of Other Sources:						Project Manager: _____ Projects					
						Project's Approval Date: _____					

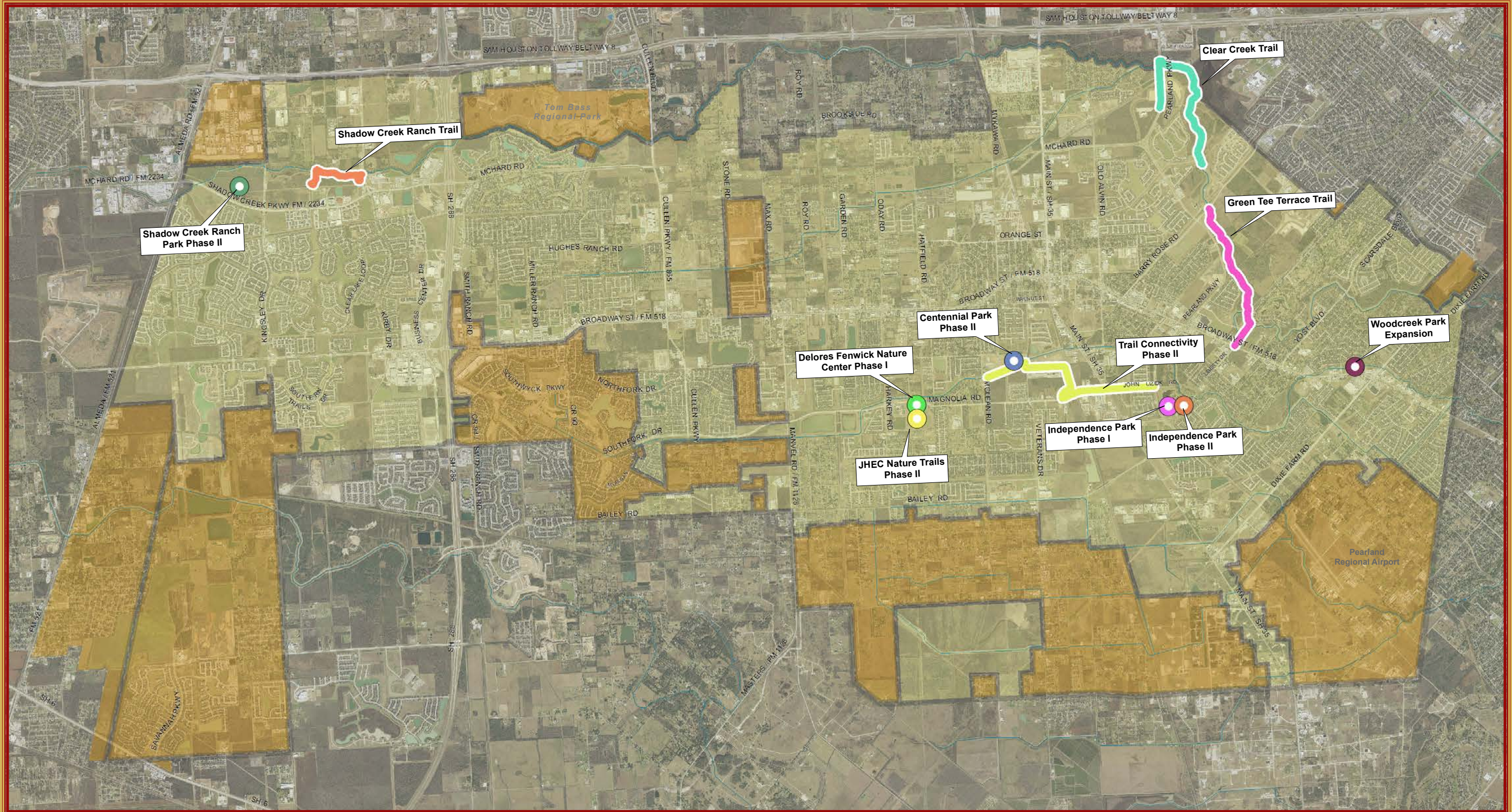
PROJECT NAME					PROJECT #		PREFERENCE ORDER				
D. L. Smith Detention Pond Expansion Phase I					DR2002		5				
PROJECT DESCRIPTION					PROJECT IMAGE						
Phase I of the project will expand the existing DL Smith detention facility by approximately 150 acre-feet. The expansion will occur to the west of the existing McHard Road outfall ditch and south of the pipeline easement. A second phase will add an additional 150 acre-feet of detention for further flood plain improvements and regional detention.											
PROJECT JUSTIFICATION											
In accordance with the City's 2007 Master Drainage Plan, there is a need for additional storage capacity along the Clear Creek Watershed to mitigate existing flooding and provide capacity for future development. This expansion will lower the 100-year water surface elevation of Clear Creek, alleviate existing flood plain issues, accommodate future development along McHard Road between Old Alvin and Pearland Parkway, and be able to provide detention for the expansion of the University of Houston Clear Lake - Pearland Campus and other potential city facilities on D.L. Smith site.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
FY PROJECTED ALLOCATIONS											
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
Prelim. Engineering Report	\$87,946	\$87,946	\$88,269	\$87,946						\$87,946	
Land/Right of Way	\$90	\$90	\$90	\$90						\$90	
Design/Surveying	\$861,540	\$861,540				\$861,540				\$861,540	
Construction	\$12,684,592	\$4,687,592				\$1,932,083	\$2,755,509			\$4,687,592	
Equipment and Furniture	\$0									\$0	
Contingency	\$217,070	\$217,070				\$72,043	\$145,027			\$217,070	
TOTAL COSTS	\$13,851,238	\$5,854,238	\$88,359	\$88,036	\$0	\$2,865,666	\$2,900,536	\$0	\$0	\$5,854,238	
FY PROJECTED FUNDING SOURCES											
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
General Revenue - Cash										\$0	
Certificates of Obligation	\$238,036	\$238,036	\$88,359	\$88,036						\$88,036	
General Obligation Bonds	\$5,616,202	\$5,616,202				\$2,865,666	\$2,900,536			\$5,766,202	
New/Proposed GO Bonds										\$0	
PEDC										\$0	
W/S Revenue Bonds										\$0	
System Revenue - Cash										\$0	
Impact Fees - Cash										\$0	
Impact Fees - Debt										\$0	
Other Funding Sources ¹ -	\$7,997,000									\$0	
TOTAL SOURCES	\$13,851,238	\$5,854,238	\$88,359	\$88,036	\$0	\$2,865,666	\$2,900,536	\$0	\$0	\$5,854,238	
Explain & Identify Type of Other Sources: Potential in kind services totaling \$7,997,000 from BCDD #4 for future phases. Assumes BCDD #4 will maintain.						Project Manager: Susan Johnson					
						Project's Approval Date:					

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
PARKS**

Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
P20001	Independence Park Phase I	2,206,050	1,770,000					3,976,050	1,770,000
P20004	Delores Fenwick Nature Center	212,096	2,096,557					2,308,653	2,096,557
P50071	Centennial Park Phase II	2,766,295						2,766,295	
P50072	Trail Connectivity Phase II	1,663,148						1,663,148	
PK1401	Shadow Creek Ranch Trail	1,935,458						1,935,458	
PK1402	Green Tee Terrace Trail	573,050	500,000	3,100,886				4,173,936	3,600,886
PK1801	PER for Future Bond Referendum			613,000				613,000	613,000
PK1802	Clear Creek Trail			40,000			986,183	1,026,183	1,026,183
PK1901	JHEC Nature Trails Phase II				1,096,000			1,096,000	1,096,000
PK1902	Park Equipment Recapitalization				500,000	500,000	500,000	1,500,000	1,500,000
PK1903	Independence Park Phase II				900,000	1,300,000	5,100,000	4,994,000	4,994,000
PK1904	Woodcreek Park Expansion				650,000			650,000	650,000
PK2001	Shadow Creek Ranch Park Phase II					862,000	4,132,000	4,994,000	7,300,000
	TOTAL	9,356,097	4,366,557	3,753,886	3,146,000	2,662,000	10,718,183	31,696,723	24,646,626






SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash	866,151		40,000			46,909	953,060	86,909
Certificates of Obligation	1,496,277	606,202	1,109,869				3,212,348	1,716,071
General Obligation Bonds	4,676,183	3,187,617					7,863,800	3,187,617
New/Proposed GO Bonds				3,146,000	2,662,000	9,732,000	15,540,000	15,540,000
PEDC								
W/S Revenue Bonds								
System Revenues - Cash								
Impact Fees - Cash								
Impact Fees - Debt								
Other Funding Sources	2,490,224	400,000	2,604,017			939,274	6,433,515	3,943,291
<i>Plus Bonds Sold in Prior Years</i>								<i>172,738</i>
TOTAL	9,528,835	4,193,819	3,753,886	3,146,000	2,662,000	10,718,183	34,002,723	24,646,626





Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.



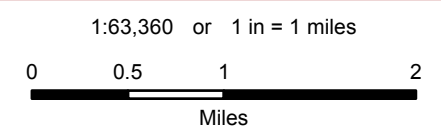
CITY OF PEARLAND
2017 - 2021
Capital Improvement Projects
Parks

-  Clear Creek Trail
-  Green Tee Terrace Trail
-  Shadow Creek Ranch Trail
-  Trail Connectivity Phase II

-  Centennial Park Phase II
-  Delores Fenwick Nature Center
-  Independence Park Phase II
-  Independence Park Phase I
-  JHEC Nature Trails Phase II

-  Shadow Creek Ranch Park Phase II
-  Woodcreek Park Expansion
-  City Limits
-  ETJ

Projects Not Shown
 * PER for Future Bond Referendum
 * Park Equipment Recapitalization



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

MAP PREPARED: JULY 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Independence Park Phase I					P20001		1				
PROJECT DESCRIPTION					PROJECT IMAGE						
Phase I Improvements include a reorientation of the entry into the park, relocation and replacement of the existing playground, improvements to electrical & lighting along with minor architectural details in the existing pavilion, upgrade electrical and water around the park for vendor access, pedestrian lighting, re-stripe basketball court, the construction of additional parking, additional 4-6 restrooms, a small stage and sloped earthen berm type amphitheater for special events and landscaping. Add Wi-Fi to the park at the time fiber is extended along John Lizer.											
PROJECT JUSTIFICATION											
Independence Park is one of the oldest and most recognized parks that the City owns. According to the park utilization survey conducted with the master plan, this park had the second highest utilization of all City parks. Most of the current amenities at the park are outdated or in bad condition and are in need of replacement. This project was approved by voters in the 2007 Bond Program. The Master Plan lists improvements to this park as a high priority.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services		\$49,319	\$50,799	\$52,323	\$53,893						
Operation & Maintenance		\$6,460	\$6,783	\$7,122	\$7,478						
Capital Outlay											
Total Expense		\$55,779	\$57,582	\$59,445	\$61,371						
FTE Staff Total		1.0									
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$29,437	\$29,437	\$29,437	\$29,437						\$29,437
Land/Right of Way											\$0
Design/Surveying		\$330,000	\$330,000	\$240,000	\$330,000						\$330,000
Construction		\$3,316,613	\$3,316,613	\$1,816,613	\$1,816,613	\$1,500,000					\$3,316,613
Equipment and Furniture											\$0
Contingency		\$300,000	\$300,000	\$30,000	\$30,000	\$270,000					\$300,000
TOTAL COSTS		\$3,976,050	\$3,976,050	\$2,116,050	\$2,206,050	\$1,770,000	\$0	\$0	\$0	\$0	\$3,976,050
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$535,639	\$535,639	\$29,437	\$29,437	\$506,202					\$535,639
General Obligation Bonds		\$3,354,411	\$3,354,411	\$2,000,613	\$2,000,447	\$1,353,964					\$3,354,411
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$86,000	\$86,000	\$86,000	\$86,000						\$86,000
TOTAL SOURCES		\$3,976,050	\$3,976,050	\$2,116,050	\$2,115,884	\$1,860,166	\$0	\$0	\$0	\$0	\$3,976,050
¹ Explain & Identify Type of Other Sources: Park land zone 11 funds of \$86,000 (2016).						Project Manager: Andrea Brinkley					
						Project's Approval Date:					


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Delores Fenwick Nature Center					P20004		3			
PROJECT DESCRIPTION					PROJECT IMAGE					
The project will include a building to demonstrate/program environmental educational displays, demonstration gardens, interpretive exhibits, offices, restrooms, and a classroom with a 50 seat capacity, 400 sq. ft. of storage and pervious parking areas.										
PROJECT JUSTIFICATION										
There is a great need in the community to educate the public on the benefit of recycling, green space and trees. This project would give Pearland a unique opportunity to showcase JHEC as a learning opportunity for the entire community. Children/adults would be able to come and take classes and learn about the environment in a hands-on setting. This would provide an opportunity to showcase the entire concept of utilizing one site as multi purposing for parks, recreation, detention, education, recycling, and environmental park.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services		\$171,706	\$176,857	\$182,163	\$187,628					
Operation & Maintenance		\$62,907	\$106,332	\$101,953	\$107,051					
Capital Outlay		\$42,147								
Total Expense		\$276,760	\$283,189	\$284,116	\$294,679					
FTE Staff Total		3.0								
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$212,096	\$212,096	\$212,096	\$212,096						\$212,096
Construction	\$1,953,153	\$1,953,153	\$736,026		\$1,953,153					\$1,953,153
Equipment and Furniture	\$50,000	\$50,000			\$50,000					\$50,000
Contingency	\$93,404	\$93,404			\$93,404					\$93,404
TOTAL COSTS	\$2,308,653	\$2,308,653	\$948,122	\$212,096	\$2,096,557	\$0	\$0	\$0	\$0	\$2,308,653
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$25,000	\$25,000	\$25,000	\$25,000						\$25,000
General Obligation Bonds	\$2,283,653	\$2,283,653	\$948,122	\$450,000	\$1,833,653					\$2,283,653
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$2,308,653	\$2,308,653	\$973,122	\$475,000	\$1,833,653	\$0	\$0	\$0	\$0	\$2,308,653
¹Explain & Identify Type of Other Sources: Possible grant funding in the amount of \$800,000 from the Restore Act.						Project Manager: Jennifer Lee				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Centennial Park Phase II					P50071		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase II of Centennial Park includes the demolition of the existing soccer fields, the construction of two new lighted softball fields, the installation of a new picnic pavilion and additional parking for the complex.										
PROJECT JUSTIFICATION										
Now that the Hickory Slough Sports Complex is complete, youth and adult soccer will move from Centennial Park to the new sports complex where the program can be expanded. The existing soccer fields will be demolished and converted to lighted softball fields. Additional softball fields will allow for the expansion of the girls softball program. Adult softball will ultimately move to the Shadow Creek Ranch Complex once completed to make room for girls softball.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000					
Personnel Services										
Operation & Maintenance	\$56,966	\$76,045	\$76,118	\$76,118	\$76,118					
Capital Outlay										
Total Expense	\$56,966	\$76,045	\$76,118	\$76,118	\$76,118					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$207,000	\$207,000	\$207,000	\$207,000						\$207,000
Land/Right of Way	\$495	\$495	\$495	\$495						\$495
Design/Surveying	\$147,000	\$147,000	\$147,000	\$147,000						\$147,000
Construction	\$2,228,000	\$2,228,000	\$2,228,000	\$2,228,000						\$2,228,000
Equipment and Furniture										\$0
Contingency	\$183,800	\$183,800	\$183,800	\$183,800						\$183,800
TOTAL COSTS	\$2,766,295	\$2,766,295	\$2,766,295	\$2,766,295	\$0	\$0	\$0	\$0	\$0	\$2,766,295
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$495	\$495	\$495	\$495						\$495
Certificates of Obligation	\$573,064	\$573,064	\$573,064	\$573,064						\$573,064
General Obligation Bonds	\$2,042,736	\$2,042,736	\$2,042,736	\$2,042,736						\$2,042,736
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$150,000	\$150,000		\$150,000						\$150,000
TOTAL SOURCES	\$2,766,295	\$2,766,295	\$2,616,295	\$2,766,295	\$0	\$0	\$0	\$0	\$0	\$2,766,295
¹ Explain & Identify Type of Other Sources: Park Zone 7 \$100,000 (2015), Fund 68 balance (2016).						Project Manager: Cara Davis				
						Project's Approval Date: 6/22/2015				


PROJECT NAME						PROJECT #		PREFERENCE ORDER			
Trail Connectivity Phase II						P50072		Ongoing			
PROJECT DESCRIPTION						PROJECT IMAGE					
Implement phases of the Hike and Bike Master Plan. Scheduled in 2013, Phase II will connect Centennial Park, along Mary's Creek, Magnolia, and John Lizer to Independence Park. Phase III is scheduled in 2017 and will connect Independence Park to FM 518 via Pearland Parkway and Dixie Farm Road.											
PROJECT JUSTIFICATION											
The Parks and Recreation Plan that was adopted by Council in December of 2005 lists the hike and bike trails as the number one priority for acquisition and development.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget						<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$18,825	\$18,825	\$18,825	\$18,825						\$18,825
Land/Right of Way		\$50,545	\$50,545	\$50,545	\$50,545						\$50,545
Design/Surveying		\$303,422	\$303,422	\$303,422	\$303,422						\$303,422
Construction		\$1,268,423	\$1,268,423	\$1,268,423	\$1,268,423						\$1,268,423
Equipment and Furniture		\$21,933	\$21,933	\$21,933	\$21,933						\$21,933
Contingency											\$0
TOTAL COSTS		\$1,663,148	\$1,663,148	\$1,663,148	\$1,663,148	\$0	\$0	\$0	\$0	\$0	\$1,663,148
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash		\$806,175	\$806,175	\$806,175	\$806,175						\$806,175
Certificates of Obligation		\$543,825	\$543,825	\$543,825	\$543,825						\$543,825
General Obligation Bonds		\$183,000	\$183,000	\$183,000	\$183,000						\$183,000
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$130,148	\$130,148	\$130,148	\$130,148						\$130,148
TOTAL SOURCES		\$1,663,148	\$1,663,148	\$1,663,148	\$1,663,148	\$0	\$0	\$0	\$0	\$0	\$1,663,148
¹ Explain & Identify Type of Other Sources: TPWD grant \$100,000						Project Manager: Cara Davis Project's Approval Date: 3/14/2013					


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Shadow Creek Ranch Trail					PK1401		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
Construction of a 10 foot wide hike and bike trail along the southern bank of Clear Creek beginning on the east side of Kingsley Drive and extending east approximately 1,300 feet terminating at Kirby Drive. Project will include shaded seating areas, bike facilities, educational and/or themed signage and may include improvements to the existing trail head parking area.											
PROJECT JUSTIFICATION											
The Parks and Recreation Plan that was adopted by Council in December of 2005 lists the hike and bike trails as the number one priority for acquisition and development. This project is included in the 2013-2014 TIP and will be 80% federally funded.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way		\$115,733	\$115,733	\$115,733	\$115,733						\$115,733
Design/Surveying		\$194,970	\$194,970	\$194,970	\$194,970						\$194,970
Construction		\$1,624,755	\$1,624,755	\$1,624,755	\$1,624,755						\$1,624,755
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$1,935,458	\$1,935,458	\$1,935,458	\$1,935,458	\$0	\$0	\$0	\$0	\$0	\$1,935,458
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash		\$38,994	\$38,994	\$38,994	\$38,994						\$38,994
Certificates of Obligation		\$324,951	\$324,951	\$324,951	\$324,951						\$324,951
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$1,571,513	\$1,571,513	\$1,571,513	\$1,571,513						\$1,571,513
TOTAL SOURCES		\$1,935,458	\$1,935,458	\$1,935,458	\$1,935,458	\$0	\$0	\$0	\$0	\$0	\$1,935,458
¹ Explain & Identify Type of Other Sources: Transportation Improvement Program funds in the amount of \$1,548,366; City must provide 20% matching funds. \$9,552 from park land fees - zone 1 sign (2016).							Project Manager: Cara Davis				
							Project's Approval Date: 6/22/2015				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Green Tee Terrace Trail					PK1402		2				
PROJECT DESCRIPTION					PROJECT IMAGE						
Extension of approximately 8,000' long 10-foot wide hike and bike trail along the Clear Creek Corridor from Broadway through Province Village to Clear Creek over the creek to Hughes Road in conjunction with Gehan Homes. Project includes benches, bike racks, trail signage, trash receptacles, water fountains, shade structures, and a pedestrian bridge over Clear Creek.											
PROJECT JUSTIFICATION											
The Parks and Recreation Plan that was adopted by Council in December 2005, lists the hike and bike trails as the number one priority for acquisition and development. This project is included in the 2013-2014 TIP and will be 80% federally funded.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance		\$4,463	\$9,371	\$9,840	\$10,332						
Capital Outlay											
Total Expense		\$4,463	\$9,371	\$9,840	\$10,332						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way		\$105,183	\$105,183	\$105,183	\$105,183						\$105,183
Design/Surveying		\$461,567	\$461,567	\$435,937	\$461,567						\$461,567
Construction		\$3,607,186	\$3,607,186	\$3,632,816	\$6,300	\$500,000	\$3,100,886				\$3,607,186
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$4,173,936	\$4,173,936	\$4,173,936	\$573,050	\$500,000	\$3,100,886	\$0	\$0	\$0	\$4,173,936
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash		\$20,487	\$20,487	\$20,487	\$20,487						\$20,487
Certificates of Obligation		\$596,869	\$596,869	\$616,562		\$100,000	\$496,869				\$596,869
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$3,556,580	\$3,556,580	\$3,536,887	\$552,563	\$400,000	\$2,604,017				\$3,556,580
TOTAL SOURCES		\$4,173,936	\$4,173,936	\$4,173,936	\$573,050	\$500,000	\$3,100,886	\$0	\$0	\$0	\$4,173,936
¹ Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the amount of \$3,339,150, Park Zone 11 funds of \$9,000 and Park Zone 10 funds of \$176,500 (\$110K 2016 and \$66,500 2014). Park Zone 1 funds \$31,930 (2017).							Project Manager: Jennifer Lee				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
PER for Future Bond Referendum					PK1801		5				
PROJECT DESCRIPTION					PROJECT IMAGE						
Provide funding for preliminary engineering on future projects to be identified that would be funded with the City's next bond referendum. Preliminary engineering would tighten down scopes and provide for estimated construction dollars that would be needed to take a proposition to the voters.											
PROJECT JUSTIFICATION											
Parks Master Plan, updated in 2015, provided a list of recommendations for future projects and upgrade criteria that will be incorporated into a prioritized list of projects.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$613,000	\$613,000				\$613,000				\$613,000
Land/Right of Way											\$0
Design/Surveying											\$0
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$613,000	\$613,000	\$0	\$0	\$0	\$613,000	\$0	\$0	\$0	\$613,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$613,000	\$613,000				\$613,000				\$613,000
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$613,000	\$613,000	\$0	\$0	\$0	\$613,000	\$0	\$0	\$0	\$613,000
Explain & Identify Type of Other Sources:							Project Manager: Projects				
							Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Clear Creek Trail					PK1802		4			
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, 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 two pedestrian bridges.										
PROJECT JUSTIFICATION										
This project is an extension of the Trail Master Plan and the first major component to be constructed on the north side of Broadway and would eventually tie into the future segment 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$40,000	\$40,000				\$40,000				\$40,000
Land/Right of Way	\$144,653	\$144,653							\$144,653	\$144,653
Design/Surveying	\$841,530	\$841,530							\$841,530	\$841,530
Construction	\$8,096,817	\$8,096,817								\$0
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$9,123,000	\$9,123,000	\$0	\$0	\$0	\$40,000	\$0	\$0	\$986,183	\$1,026,183
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$86,909	\$86,909				\$40,000			\$46,909	\$86,909
Certificates of Obligation	\$1,619,363	\$1,619,363								\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$7,416,728	\$7,416,728							\$939,274	\$939,274
TOTAL SOURCES	\$9,123,000	\$9,123,000	\$0	\$0	\$0	\$40,000	\$0	\$0	\$986,183	\$1,026,183
Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the estimated amount of \$7,266,400 and Park Zone 9 funds of \$150,328 (2021). Proposed TIP letting in 2022						Project Manager: Susan Johnson				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
JHEC Nature Trails Phase II					PK1901		7			
PROJECT DESCRIPTION					PROJECT IMAGE					
Project includes a boardwalk over the East pond with an observation deck, paddle craft launch areas, picnic tables, benches, trash receptacles, and interpretive signage.										
PROJECT JUSTIFICATION										
The overall vision for this particular area was to provide an area that provides access to nature in a suburban setting, provide for recreation opportunities and provide a facility for environmental/nature education and awareness. It will also be a showcase facility displaying the multi-use of both a detention pond and water treatment plant effluent to create a usable park and open space for the community. Because appropriate grant money became available through the County coupled with trails appearing as a number one priority in citizen surveys for many years, the City has proceeded with acting on the vision of creating the trail portion of the project using the money made available.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services				\$52,323	\$53,893					
Operation & Maintenance				\$3,861	\$3,977					
Capital Outlay				\$31,689						
Total Expense				\$87,873	\$57,869					
FTE Staff Total				1.0						
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$65,000	\$65,000					\$65,000			\$65,000
Construction	\$800,000	\$800,000					\$800,000			\$800,000
Equipment and Furniture	\$73,500	\$73,500					\$73,500			\$73,500
Contingency	\$157,500	\$157,500					\$157,500			\$157,500
TOTAL COSTS	\$1,096,000	\$1,096,000	\$0	\$0	\$0	\$0	\$1,096,000	\$0	\$0	\$1,096,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$1,096,000	\$1,096,000					\$1,096,000			\$1,096,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$1,096,000	\$1,096,000	\$0	\$0	\$0	\$0	\$1,096,000	\$0	\$0	\$1,096,000
Explain & Identify Type of Other Sources: Possible application for Restore Act funds.							Project Manager: Andrea Brinkley			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Park Equipment Recapitalization					PK1902		6				
PROJECT DESCRIPTION					PROJECT IMAGE						
A recapitalization program to update an aging Parks Infrastructure and Amenity inventory. Updated features will include playgrounds, shade structures, safety surfaces, and standalone comfort amenities such as tables, benches, and receptacles.											
PROJECT JUSTIFICATION											
As our population base grows, proportionally the use and wear on our assets grows along with it. A proactive decision to maintain a safe and desirable park infrastructure is a trademark of a signature community.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying											\$0
Construction											\$0
Equipment and Furniture		\$2,500,000	\$2,500,000					\$500,000	\$500,000	\$500,000	\$1,500,000
Contingency											\$0
TOTAL COSTS		\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$1,500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds		\$2,500,000	\$2,500,000					\$500,000	\$500,000	\$500,000	\$1,500,000
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$1,500,000
Explain & Identify Type of Other Sources:							Project Manager: TBD				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Independence Park Phase II					PK1903		8			
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase II improvements to Independence Park will build off of amenities completed in Phase I. Additional amenities could include dog park enhancements, expansion of playground space, additional sports courts, renovations/repurposing of the existing swimming pool house, new water park, and the incorporation/integration of the adjacent detention pond as a usable park amenity. In addition to the added amenities, the needed support infrastructure (roads, walkways, restrooms, water, electrical, etc.) will be completed as well.										
PROJECT JUSTIFICATION										
Independence Park is one of the oldest and most recognized parks that the City owns. According to the survey done in conjunction with the master plan, this park is highly utilized. Most of the current amenities are outdated and/or are in bad condition and are in need of replacement. Recommendation from the master plan updated in 2015 will include upgrades to this existing park.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$900,000	\$900,000					\$900,000			\$900,000
Construction	\$5,600,000	\$5,600,000						\$1,300,000	\$4,300,000	\$5,600,000
Equipment and Furniture										\$0
Contingency	\$800,000	\$800,000							\$800,000	\$800,000
TOTAL COSTS	\$7,300,000	\$7,300,000	\$0	\$0	\$0	\$0	\$900,000	\$1,300,000	\$5,100,000	\$7,300,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$7,300,000	\$7,300,000					\$900,000	\$1,300,000	\$5,100,000	\$7,300,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$7,300,000	\$7,300,000	\$0	\$0	\$0	\$0	\$900,000	\$1,300,000	\$5,100,000	\$7,300,000
Explain & Identify Type of Other Sources:						Project Manager: Andrea Brinkley				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Woodcreek Park Expansion					PK1904		10			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>This project consists of a preliminary engineering study, including surveying, to consolidate by plat City contiguous land holdings (buyout lots and park land) in the area of the existing Woodcreek neighborhood park including the former Fire Station #3 site. The objective is to enlarge the neighborhood park facility making use of these areas and bring all of land holdings under the control and maintenance of the Parks Department. This expansion is scheduled to include a playground with fall zone, seating, a BBQ grill, and a sport court.</p>										
PROJECT JUSTIFICATION										
<p>Based on ideas presented in the 2015 Parks & Recreation Master Plan, additional components will be added to meet the reasonable service threshold of a neighborhood park with this described service area.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2015	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$150,000	\$150,000					\$150,000			\$150,000
Construction	\$100,000	\$100,000					\$100,000			\$100,000
Equipment and Furniture	\$400,000	\$400,000					\$400,000			\$400,000
Contingency										\$0
TOTAL COSTS	\$650,000	\$650,000	\$0	\$0	\$0	\$0	\$650,000	\$0	\$0	\$650,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2015	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$650,000	\$650,000					\$650,000			\$650,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$650,000	\$650,000	\$0	\$0	\$0	\$0	\$650,000	\$0	\$0	\$650,000
Explain & Identify Type of Other Sources:						Project Manager: Jennifer Lee				
						Project's Approval Date:				

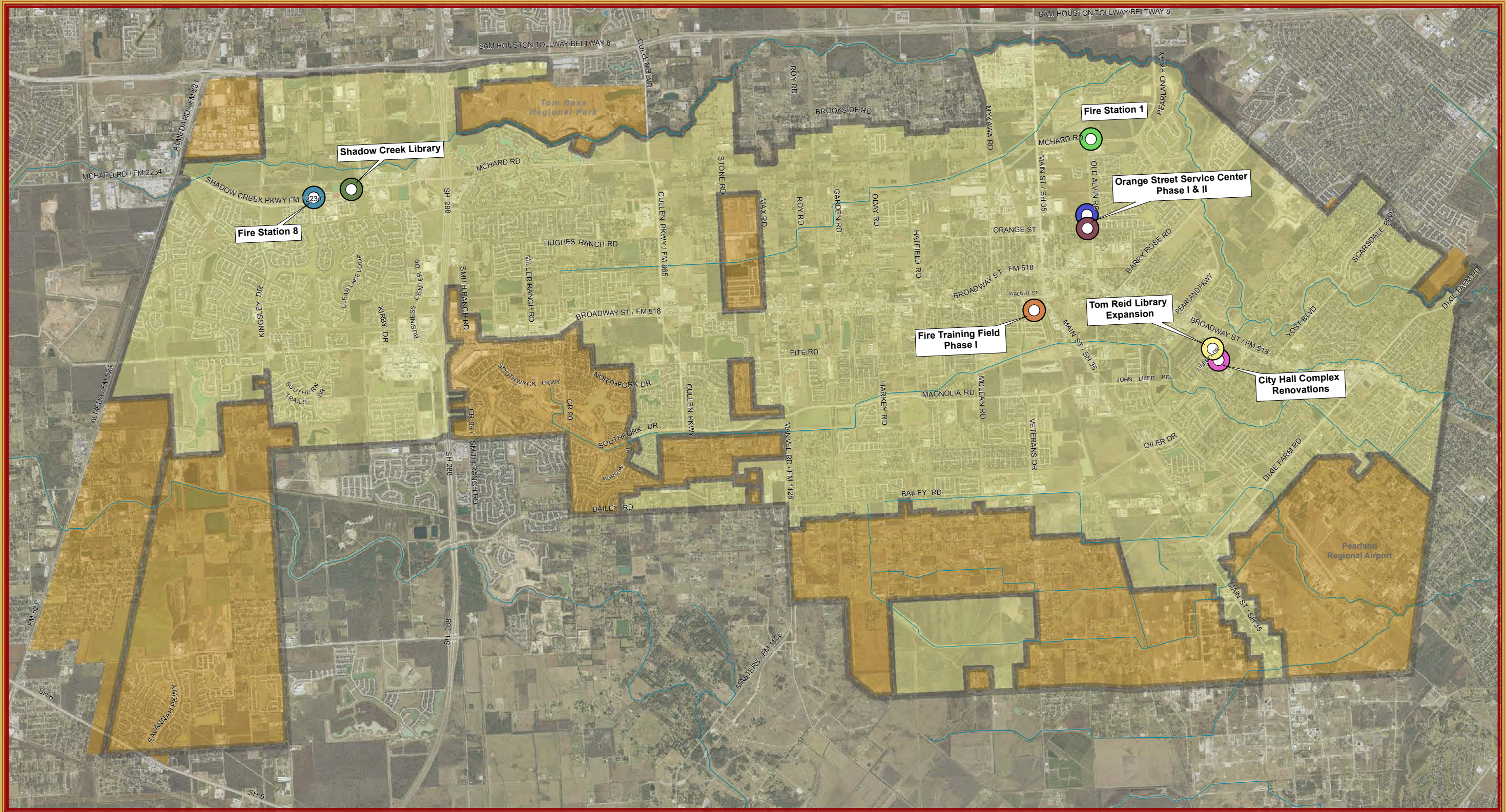
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Shadow Creek Ranch Park Phase II					PK2001		9			
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase II of the Sports Complex at Shadow Creek Ranch will include the addition of two cricket fields (which can also serve the needs of Rugby groups), a multipurpose 'Miracle Field' 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 the community continues to grow in an increasingly diverse manner it is important to maintain relevance by programming for members of all demographics.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$862,000	\$862,000						\$862,000		\$862,000
Construction	\$7,186,000	\$7,186,000							\$3,593,000	\$3,593,000
Equipment and Furniture										\$0
Contingency	\$1,078,000	\$1,078,000							\$539,000	\$539,000
TOTAL COSTS	\$9,126,000	\$9,126,000	\$0	\$0	\$0	\$0	\$0	\$862,000	\$4,132,000	\$4,994,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$9,126,000	\$9,126,000						\$862,000	\$4,132,000	\$4,994,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$9,126,000	\$9,126,000	\$0	\$0	\$0	\$0	\$0	\$862,000	\$4,132,000	\$4,994,000
Explain & Identify Type of Other Sources: Future Bond Referendum. Construction to be allocated in 2021 and 2022.							Project Manager: Cara Davis			
							Project's Approval Date: 6/22/2015			

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
FACILITIES**

Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
F20002	Tom Reid Library Expansion	4,695,335						4,695,335	
FA0904	City Hall Complex Renovations	6,338,475	255,770					6,594,245	255,770
FA1404	Orange Street Service Center	3,843,000	1,225,100					5,068,100	1,225,100
FA1501	Fire Station #8	6,800		793,350	6,395,000			7,195,150	7,188,350
FA1601	Fire Station #1	465,000	4,320,300					4,785,300	4,320,300
FA1701	Fiber Backbone		100,000	100,000	100,000	100,000	100,000	500,000	500,000
FA1801	PER			450,000				450,000	450,000
FA1802	Facilities Assessment and Maintenance Plan			250,000				250,000	250,000
FA1901	Fire Training Field Phase I				500,000			500,000	500,000
FA2001	Shadow Creek Library					169,600	1,386,639	1,556,239	1,556,239
FA2002	Orange Street Service Center Phase 2					412,738	5,308,853	5,721,591	5,721,591
	TOTAL	15,348,610	5,901,170	1,593,350	6,995,000	682,338	6,795,492	37,315,960	21,967,350

SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash		50,000	300,000	50,000	50,000	50,000	500,000	500,000
Certificates of Obligation	7,936,893	4,820,300	1,243,350				14,000,543	6,063,650
General Obligation Bonds	3,410,000						3,410,000	
New/Proposed GO Bonds				6,895,000	165,095	3,679,780	10,739,875	10,739,875
PEDC	536,768						536,768	
W/S Revenue Bonds	3,858,915				247,643	3,185,312	7,291,870	3,432,955
System Revenues - Cash		50,000	50,000	50,000	50,000	50,000	250,000	250,000
Impact Fees - Cash								
Impact Fees - Debt								
Other Funding Sources	586,904						586,904	
<i>Plus Bonds Sold in Prior Years</i>								<i>980,870</i>
TOTAL	16,329,480	4,920,300	1,593,350	6,995,000	512,738	6,965,092	37,315,960	21,967,350

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.



CITY OF PEARLAND

2017 - 2021

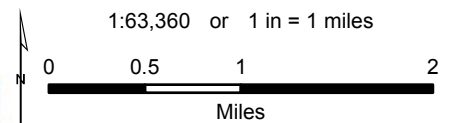
Capital Improvement Projects

Facilities

-  City Hall Complex Renovations
-  Fire Station 1
-  Fire Station 8
-  Fire Training Field Phase I
-  Orange Street Service Center Phase I
-  Orange Street Service Center Phase II
-  Shadow Creek Library
-  Tom Reid Library Expansion


-  City Limits
-  ETJ


Projects Not Shown
 *Fiber Backbone
 *PER for Future Bond Referendum
 *Facilities Assessment and Maintenance Plan




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 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Tom Reid Library Expansion					F20002		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
The library expansion will increase the now 20,584 sf building by 8,174 sf for an overall floor plan area of 28,758 sf. This expansion will create new areas in the library such as a bookstore, children's story time room, teen zone, computer labs and additional office/storage space. Renovations and enlargements of existing areas such as the circulation desk and book stacks are also included. Additional scope includes replacement of three existing HVAC units and replacement of the entire roof.											
PROJECT JUSTIFICATION											
The significant population growth of Pearland has created a need for a larger children's area and adult meeting room to conduct activities, more stack area for books, and improved computer access. Increasing maintenance costs for outdated non-energy efficient HVAC equipment support replacement at this time. Roof is now 15 +/- years old and should not patch into new areas - replace all.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget											
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	\$90,382	\$90,382	\$90,382	\$90,382	\$90,382						
Capital Outlay											
Total Expense	\$90,382	\$90,382	\$90,382	\$90,382	\$90,382						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$35,260	\$35,260	\$35,260	\$35,260						\$35,260
Land/Right of Way											\$0
Design/Surveying		\$332,765	\$332,765	\$332,765	\$332,765						\$332,765
Construction		\$4,005,300	\$4,005,300	\$4,005,300	\$4,005,300						\$4,005,300
Equipment and Furniture		\$50,000	\$50,000	\$50,000	\$50,000						\$50,000
Contingency		\$272,010	\$272,010	\$272,010	\$272,010						\$272,010
TOTAL COSTS		\$4,695,335	\$4,695,335	\$4,695,335	\$4,695,335	\$0	\$0	\$0	\$0	\$0	\$4,695,335
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$1,285,335	\$1,285,335	\$1,285,335	\$785,335	\$500,000					\$1,285,335
General Obligation Bonds		\$3,410,000	\$3,410,000	\$3,410,000	\$3,410,000						\$3,410,000
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$4,695,335	\$4,695,335	\$4,695,335	\$4,195,335	\$500,000	\$0	\$0	\$0	\$0	\$4,695,335
Explain & Identify Type of Other Sources:							Project Manager: Cara Davis				
							Project's Approval Date: 6/22/2015				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
City Hall Complex Renovations					FA0904		1				
PROJECT DESCRIPTION					PROJECT IMAGE						
The existing Community Center was constructed in 1983 and City Hall in 1986. Departmental Space Programming was completed in 2014. This program incorporates the remodel of approximately 23,110 square feet of the former Community Center for Community Development and Finance & UB departments, renovations to the HVAC, Electrical and Plumbing systems and the installation of a sprinkler system for that building. It includes the remodel of 27,800 square feet in City Hall, the replacement of HVAC systems, including modifications to the Council Chambers, Administration, City Secretary, Legal, HR and Receptionist spaces and will include security and safety (exterior lighting) improvements for both buildings.											
PROJECT JUSTIFICATION											
Increased demands for secure public contact and a more effective and efficient use of existing space for Community Development. Finance Department growth and specifically related activities require consolidation of the personnel and those activities in a single building. Greater public access is provided by moving the Administration and City Secretary to the first floor of City Hall and efficiencies are created by moving Legal and Communications into proximity with Admin. Current HVAC equipment is long past the useful life expectancy and requires replacement. Remodeling the existing facilities will provide space for staff growth through build-out and can be performed at less than one third the cost of building a new facility.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$89,204	\$89,204	\$89,204	\$89,204						\$89,204
Land/Right of Way		\$0	\$0								\$0
Design/Surveying		\$429,618	\$429,618	\$412,464	\$429,618						\$429,618
Construction		\$5,480,771	\$5,480,771	\$4,724,968	\$5,480,771						\$5,480,771
Equipment and Furniture		\$255,770	\$255,770	\$297,941		\$255,770					\$255,770
Contingency		\$338,882	\$338,882	\$360,900	\$338,882						\$338,882
TOTAL COSTS		\$6,594,245	\$6,594,245	\$5,885,477	\$6,338,475	\$255,770	\$0	\$0	\$0	\$0	\$6,594,245
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$4,978,776	\$4,978,776	\$5,624,831	\$4,652,518						\$4,652,518
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC		\$536,768	\$536,768		\$536,768						\$536,768
W/S Revenue Bonds		\$818,055	\$818,055		\$818,055						\$818,055
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$260,646	\$260,646	\$260,646	\$586,904						\$586,904
TOTAL SOURCES		\$6,594,245	\$6,594,245	\$5,885,477	\$6,594,245	\$0	\$0	\$0	\$0	\$0	\$6,594,245
Explain & Identify Type of Other Sources: Remaining Fund balance, Funds 50 and 201 (\$100,396). PEG channel to fund \$486,508 in construction for the in-house studio for municipal programming, sound booth, A/V control booth and council chambers A/V. PEDC to fund \$536,768 for PEDC suite renovations added to construction in 2016.						Project Manager: Jennifer Lee					
						Project's Approval Date:					


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Orange Street Service Center Phase 1					FA1404		2			
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase 1A consists of Step 1: the remodel of the former EMS building into the Field Operations Support building with parking improvements and Step 2 & 3: the demolition of the existing two story operations support building and Step 3, the construction of a new 12,000 square foot Administration Building and new parking area to house approximately 50 staff including the Assistant City Manager, Public Works Administration and the Engineering and Projects Department. Both buildings will be constructed to meet the City's windstorm criteria of 140mph/ 3 second gusts. The Field Operations Support building with also be upgraded to this standard and will provide lunch room & kitchen, men's and women's locker facilities/ restrooms/ showers for approximately 100 employees.										
PROJECT JUSTIFICATION										
The Orange Street facility has not been updated in over twenty years. Departmental administrative staff levels have changed and grown over this period and staff are being officed out of poorly constructed facilities in the attached areas of the Admin building or in makeshift offices throughout the yard area. The existing office and support facilities were built before wind storm requirements and no longer meet many of current life safety and ADA codes.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance	\$92,856	\$92,856	\$92,856	\$92,856	\$92,856					
Capital Outlay										
Total Expense	\$92,856	\$92,856	\$92,856	\$92,856	\$92,856					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$114,330	\$114,330	\$114,330	\$114,330						\$114,330
Land/Right of Way										\$0
Design/Surveying	\$428,670	\$428,670	\$428,670	\$428,670						\$428,670
Construction	\$3,815,000	\$3,815,000	\$3,300,000	\$3,300,000	\$515,000					\$3,815,000
Equipment and Furniture	\$410,000	\$410,000	\$188,900		\$410,000					\$410,000
Contingency	\$300,100	\$300,100	\$197,100		\$300,100					\$300,100
TOTAL COSTS	\$5,068,100	\$5,068,100	\$4,229,000	\$3,843,000	\$1,225,100	\$0	\$0	\$0	\$0	\$5,068,100
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$2,027,240	\$2,027,240	\$4,229,000	\$2,027,240						\$2,027,240
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$3,040,860	\$3,040,860		\$3,040,860						\$3,040,860
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,068,100	\$5,068,100	\$4,229,000	\$5,068,100	\$0	\$0	\$0	\$0	\$0	\$5,068,100
Explain & Identify Type of Other Sources:						Project Manager: Susan Johnson				
						Project's Approval Date:				


PROJECT NAME		PROJECT #	PREFERENCE ORDER							
Fire Station #8		FA1501	7							
PROJECT DESCRIPTION		PROJECT IMAGE								
Construction of approximately 15,000 sq. ft. fire station designed to house two 4 person engine crews, one 4 person ladder crew and one 2 person ambulance crew. The station will include 14 dorm rooms, 4 restrooms with showers, a kitchen/dining area, a day room, a Captain's office and Lieutenant's office, a conference/training room, an EMS decontamination area and an exercise room along with storage areas for bunker gear, medical supplies. The facility will be constructed to 140 mph/3 second gust wind load standards and will include four 80 feet deep drive through equipment bays and adequate parking for full staffing on 24/7 operation.										
PROJECT JUSTIFICATION										
Provide Fire and EMS services at a location that will improve response times. In addition, the new station will accommodate a 24-hour operation and will add EMS housing. This station is based on the Fire Station Location Plan approved in February 2012. Fire Station #8 is a combination of previously proposed Fire Station #8 and Fire Station #9. Fire Station #8 may be located in the vicinity of Shadow Creek Parkway and Reflection Bay Drive.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)								
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services			\$883,231	\$909,728	\$937,020					
Operation & Maintenance			\$132,235	\$132,235	\$132,235					
Capital Outlay		\$1,900,000								
Total Expense		\$1,900,000	\$1,015,466	\$1,041,963	\$1,069,255					
FTE Staff Total			10.0							
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$48,900	\$48,900	\$6,800	\$6,800		\$42,100				\$48,900
Land/Right of Way	\$20,000	\$20,000				\$20,000				\$20,000
Design/Surveying	\$731,250	\$731,250				\$731,250				\$731,250
Construction	\$5,625,000	\$5,625,000					\$5,625,000			\$5,625,000
Equipment and Furniture	\$270,000	\$270,000					\$270,000			\$270,000
Contingency	\$500,000	\$500,000					\$500,000			\$500,000
TOTAL COSTS	\$7,195,150	\$7,195,150	\$6,800	\$6,800	\$0	\$793,350	\$6,395,000	\$0	\$0	\$7,195,150
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$800,150	\$800,150	\$6,800	\$6,800		\$793,350				\$800,150
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$6,395,000	\$6,395,000					\$6,395,000			\$6,395,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$7,195,150	\$7,195,150	\$6,800	\$6,800	\$0	\$793,350	\$6,395,000	\$0	\$0	\$7,195,150
¹ Explain & Identify Type of Other Sources: Funds for the PER (\$6,800) were transferred from Fire Station #2.						Project Manager: Cara Davis				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Fire Station #1					FA1601		3				
PROJECT DESCRIPTION					PROJECT IMAGE						
Construction of approximately 9,500 sq. ft. station to house one 4-person Engine Crew and one 2-person EMS Ambulance Crew, and 2 possible trainees. Station will include 8 sleeping rooms, 3 restrooms with showers, and a kitchen dining area, a dayroom, a Lieutenant office, a station command office, and exercise room. Equipment area will consist of 3-60 foot deep drive-thru apparatus bays, a bunker gear storage area, medical supply storage, and an EMS decontamination area. Also the station will support a separation of dirty/clean areas for firefighter health, which will include 2 showers and 1 restroom shower for decontamination. The facility will be located on McHard Road near Pearland Parkway on City owned land. The building will be designed to add 2 60-foot deep apparatus bays in the future.											
PROJECT JUSTIFICATION											
Replaces a station that will be approximately 48 years old at a location that will improve response times. In addition, the new station will better accommodate a 24-hour operation and will add EMS housing.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance		\$78,085	\$86,815	\$90,461	\$101,670						
Capital Outlay											
Total Expense		\$78,085	\$86,815	\$90,461	\$101,670						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
Prelim. Engineering Report										\$0	
Land/Right of Way										\$0	
Design/Surveying		\$465,000	\$465,000	\$383,117	\$465,000					\$465,000	
Construction		\$3,700,000	\$3,700,000		\$3,700,000					\$3,700,000	
Equipment and Furniture		\$160,300	\$160,300		\$160,300					\$160,300	
Contingency		\$460,000	\$460,000		\$460,000					\$460,000	
TOTAL COSTS		\$4,785,300	\$4,785,300	\$383,117	\$465,000	\$4,320,300	\$0	\$0	\$0	\$0	\$4,785,300
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
General Revenue - Cash										\$0	
Certificates of Obligation		\$4,785,300	\$4,785,300	\$383,117	\$465,000	\$4,320,300				\$4,785,300	
General Obligation Bonds										\$0	
New/Proposed GO Bonds										\$0	
PEDC										\$0	
W/S Revenue Bonds										\$0	
System Revenue - Cash										\$0	
Impact Fees - Cash										\$0	
Impact Fees - Debt										\$0	
Other Funding Sources ¹ -										\$0	
TOTAL SOURCES		\$4,785,300	\$4,785,300	\$383,117	\$465,000	\$4,320,300	\$0	\$0	\$0	\$0	\$4,785,300
¹ Explain & Identify Type of Other Sources:							Project Manager: Andrea Brinkley				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Fiber Backbone					FA1701		6			
PROJECT DESCRIPTION					PROJECT IMAGE					
To extend and build out the fiber network to reach all city facilities (buildings, lift stations, parks, traffic signals, and water facilities). Funds in 2017 would get fiber from Broadway at Dixie Farm Road to the Longwood treatment plant and interconnect the water towers to buildings that are in close proximity to them.										
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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying										\$0
Construction	\$500,000	\$500,000			\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$500,000	\$500,000	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$250,000	\$250,000			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash	\$250,000	\$250,000			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$500,000	\$500,000	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Explain & Identify Type of Other Sources:						Project Manager: IT				
						Project's Approval Date: 2/16/2016				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
PER for Future Bond Referendum					FA1801		5				
PROJECT DESCRIPTION					PROJECT IMAGE						
Provide funding for preliminary engineering of future facility projects including Fire Station #8, Shadow Creek Ranch Library, Fire Training facilities, Hillhouse House Annex and Fire Station 4.											
PROJECT JUSTIFICATION											
These planning efforts will tighten down scopes and provide detailed cost estimates for a bond referendum.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$450,000	\$450,000				\$450,000				\$450,000
Land/Right of Way											\$0
Design/Surveying											\$0
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$450,000	\$450,000	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$450,000	\$450,000				\$450,000				\$450,000
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$450,000	\$450,000	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000
Explain & Identify Type of Other Sources:							Project Manager: _____ Projects				
							Project's Approval Date: _____				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Facilities Assessment and Maintenance Plan					FA1802		4				
PROJECT DESCRIPTION											
The Plan will provide an assessment of all City facilities and develop a plan, including schedule, to proactively maintain each to maximize the usable life of the asset.											
PROJECT JUSTIFICATION											
Master Plans provide guidance and criteria for future infrastructure throughout the City and maximize facility life and minimize service interruptions.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$250,000	\$250,000				\$250,000				\$250,000
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$250,000	\$250,000	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash		\$250,000	\$250,000				\$250,000				\$250,000
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$250,000	\$250,000	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000
Explain & Identify Type of Other Sources:							Project Manager:				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Fire Training Field Phase I					FA1901		9			
PROJECT DESCRIPTION					PROJECT IMAGE					
Construction of a one to two story live fire training burn building and concrete pad on the existing Pearland Fire Department Fire Training Field east of the David L. Smith Fire Administration Building.										
PROJECT JUSTIFICATION										
The PFD Fire Training Field was originally started by PVFD, Inc. There is a master plan for the Fire Training Field and all of its associated projects. Much of the drainage work from this engineering plan has already been completed. Building and structure fires are high risk low frequency events that can easily injure fire fighters. PFD does not currently have a way to conduct live fire training except to travel to other live fire training facilities. This incurs overtime costs and the other facilities may charge additional fees and/or may not be available on schedules convenient to PFD. This project will allow additional initial training and continuing education training opportunity for PFD and the surrounding area departments.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$50,000	\$50,000					\$50,000			\$50,000
Construction	\$450,000	\$450,000					\$450,000			\$450,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$500,000	\$500,000					\$500,000			\$500,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Explain & Identify Type of Other Sources:						Project Manager: Cara Davis				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Shadow Creek Library					FA2001		8			
PROJECT DESCRIPTION					PROJECT IMAGE					
Design and Construct a new permanent County Library facility on the west side. To consist of approximately 30,000 square feet, using space requirements and usage information similar to that developed for the renovations to the Tom Reid Library. Other features include: specialized HVAC systems, exterior security lighting, 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. However, there is potential for collaboration with Brazoria County and Alvin ISD for different locations. Timing for the project coincides with the expiration of the lease on the existing facility within the shopping center at Broadway and Business Center Drive.										
PROJECT JUSTIFICATION										
In late 2012 the City initiated construction of a temporary (7 to 10 year) County Library Annex in commercial storefront space off of Broadway and Business Center Drive. This consisted of approximately 6,000 square feet. The facility has experienced substantial patronage from residents within the west end of the city. In 2014 the facility was expanded 4,000 square feet to accommodate high demand. The new library would provide a permanent home for this facility and be sized to accommodate growing demands from citizens throughout the county.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$160,000	\$160,000						\$169,600		\$169,600
Land/Right of Way										\$0
Design/Surveying	\$1,386,639	\$1,386,639							\$1,386,639	\$1,386,639
Construction	\$13,700,000	\$13,700,000								\$0
Equipment and Furniture	\$1,060,000	\$1,060,000								\$0
Contingency	\$777,500	\$777,500								\$0
TOTAL COSTS	\$17,084,139	\$17,084,139	\$0	\$0	\$0	\$0	\$0	\$169,600	\$1,386,639	\$1,556,239
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$17,084,139	\$17,084,139							\$1,556,239	\$1,556,239
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$17,084,139	\$17,084,139	\$0	\$0	\$0	\$0	\$0	\$0	\$1,556,239	\$1,556,239
Explain & Identify Type of Other Sources: Remaining project cost in 2022-2023						Project Manager: Jennifer Lee				
						Project's Approval Date:				

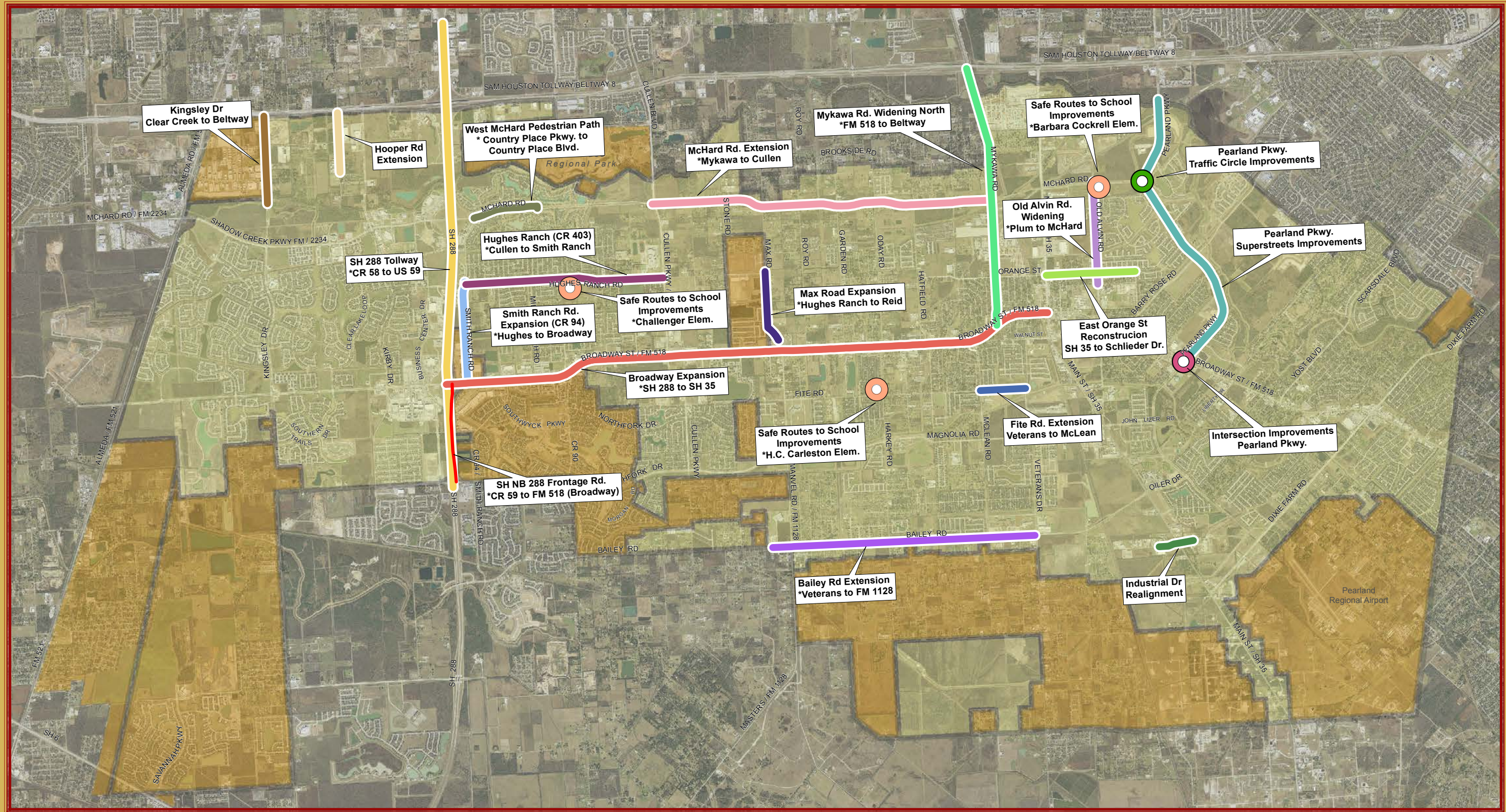
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Orange Street Service Center Phase 2					FA2002					
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase 2 of the project will add approximately 40,000 SF to the new Operational building to house Superintendents and operational staff. Replace and consolidate several existing operational buildings for equipment, materials and tool storage and workshop area. Fleet services will be relocated to this building. Fuel island and service facility are reaching the end of useful service life and will be replaced and relocated in this phase. Additional parking for staff growth. Parks Maintenance building to be replaced or relocated.										
PROJECT JUSTIFICATION										
The Orange Street facility has not been updated in over twenty years. Departmental administrative staff levels have changed and grown over this period and staff are being officed out of poorly constructed facilities in the attached areas of the Admin building or in makeshift offices throughout the yard area. Reconstruct of office facilities will allow consolidation of division superintendents, support staff and admin. New construction will be designed to meet current occupancy and wind storm codes.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$412,738	\$412,738						\$412,738		\$412,738
Construction	\$4,764,074	\$4,764,074							\$4,764,074	\$4,764,074
Equipment and Furniture	\$108,000	\$108,000							\$108,000	\$108,000
Contingency	\$436,779	\$436,779							\$436,779	\$436,779
TOTAL COSTS	\$5,721,591	\$5,721,591	\$0	\$0	\$0	\$0	\$0	\$412,738	\$5,308,853	\$5,721,591
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$2,288,636	\$2,288,636						\$165,095	\$2,123,541	\$2,288,636
PEDC										\$0
W/S Revenue Bonds	\$3,432,955	\$3,432,955						\$247,643	\$3,185,312	\$3,432,955
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,721,591	\$5,721,591	\$0	\$0	\$0	\$0	\$0	\$412,738	\$5,308,853	\$5,721,591
Explain & Identify Type of Other Sources: Project cost in 2022-2023						Project Manager: Susan Johnson				
						Project's Approval Date:				

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
STREETS**

Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
T08002	Bailey Road Extension - Veterans to FM 1128	32,424,712						32,424,712	
T20002	Old Alvin Rd Widening - Plum Street to McHard Road	2,471,905	8,729,957					11,201,862	8,729,957
TR0601	Mykawa Road Widening - Orange to McHard	110,723	1,044,000		1,858,000	16,013,200	24,019,800	43,045,723	42,935,000
TR1201	Hughes Ranch Road (CR 403) - Cullen to Smith Ranch	2,521,000			13,662,750	19,910,400		36,094,150	33,573,150
TR1202	Fite Road Extension - Veterans to McLean	4,951,662						4,951,662	
TR1205	Max Road Expansion - Hughes Ranch to Reid Blvd.	7,081,836	2,840,000					9,921,836	2,840,000
TR1405	McHard Road Extension - Mykawa Road to Cullen Parkway	7,028,484	8,628,187	22,532,118	5,271,500			43,460,289	36,431,805
TR1406	Hooper Road Extension	3,724,000						3,724,000	
TR1407	SH288 Tollway - CR 58 to US 59								
TR1501	Smith Ranch Road Expansion (CR 94) - Hughes Ranch to Broadway	1,100,000	816,803	2,580,000	2,360,300			6,857,103	5,757,103
TR1502	Industrial Drive Realignment	1,190,000						1,190,000	
TR1601	Intersection Improvements	375,000						375,000	
TR1602	Safe Routes to School					224,848	3,514,534	3,739,382	3,739,382
TR1603	West McHard Pedestrian Path	371,037						371,037	
TR1701	SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)		900,000			9,043,543		9,943,543	9,943,543
TR1703	Orange Street Reconstruction	600,000	5,400,000					6,000,000	5,400,000
TR1801	PER for Future Bond Referendum			750,000				750,000	750,000
TR1802	Multi-Modal Master Plan			300,000				300,000	300,000
TR1803	Intersection Improvements			440,000	465,000	490,000	490,000	1,885,000	1,885,000
TR1901	Broadway Expansion - SH 288 to SH 35					5,000,000		5,000,000	5,000,000
TR1902	Pearland Parkway Traffic Circle Modifications				2,000,000			2,000,000	2,000,000
TR1903	Pearland Parkway Superstreet Modifications				2,300,000			2,300,000	2,300,000
TR1904	Street Reconstruction				2,175,000	2,175,000	2,175,000	6,525,000	6,525,000
TR2001	Kingsley Drive - Clear Creek to Beltway 8						1,475,400	1,475,400	1,475,400
	TOTAL	63,950,359	28,358,947	26,602,118	30,092,550	52,856,991	31,674,734	233,535,699	169,585,340

SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash	2,000		740,000	465,000	490,000	490,000	2,187,000	2,185,000
Certificates of Obligation	7,559,912	450,000	750,000		1,853,678	996,813	11,610,403	4,050,491
General Obligation Bonds	17,440,217	13,583,326	5,022,424	8,374,501	7,184,720	4,803,960	56,409,148	38,968,931
New/Proposed GO Bonds	1,324,000			6,475,000	7,175,000	2,470,080	17,444,080	16,120,080
PEDC		450,000					450,000	450,000
W/S Revenue Bonds								
System Revenues - Cash								
Impact Fees - Cash								
Impact Fees - Debt								
Other Funding Sources	42,919,021	8,580,830	20,089,694	14,778,049	36,153,593	22,913,881	145,435,068	102,516,047
Plus Bonds Sold in Prior Years								5,294,791
TOTAL	69,245,150	23,064,156	26,602,118	30,092,550	52,856,991	31,674,734	233,535,699	169,585,340

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.



CITY OF PEARLAND

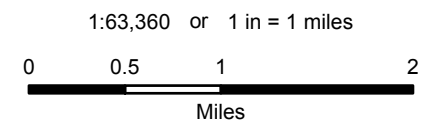
2017 - 2021

Capital Improvement Projects

Streets

- | | | |
|-------------------------------|------------------------------|--|
| Pearland Pkwy Superstreets | Industrial Drive Realignment | Smith Ranch Road Expansion |
| Bailey Road Extension | Kingsley Dr | West McHard Pedestrian Path |
| Broadway Expansion | Max Road Expansion | SH 288 Northbound Frontage Rd |
| East Orange St Reconstruction | McHard Road Extension | Safe Routes to School Improvements |
| Fite Road Extension | Mykawa Road Widening | Intersections Improvements |
| Hooper Road Extension | Old Alvin Road Widening | Pearland Pkwy Traffic Circle Modifications |
| Hughes Ranch Road | SH 288 Tollway | |

Projects Not Shown
 *Street Reconstruction
 *Multi-Modal Master Plan
 *Intersection Improvements
 *PER for Future Bond Referendum



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 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Bailey Road Expansion - Veterans to FM 1128					T08002		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
The expansion of approximately 2.76 miles of four-lane concrete curb and gutter divided boulevard with raised medians, curb and gutter, underground drainage, street lighting and landscaping from approximately 1,300 feet west of FM 1128 to Veterans Drive. The project includes the full build out of the Bailey Intersection at FM1128. Detention has been provided in the Cowart's Creek Diversion project.											
PROJECT JUSTIFICATION											
Four lane boulevard segment will provide an additional east/west major thoroughfare corridor across the southern portion of the city, accommodate increased school traffic, and complete drainage improvements along this area of Cowart Creek. The project was selected by H-GAC to receive 80% federal funding for construction through the 2013 TIP. Design is complete and construction scheduled to begin in early 2015.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	\$76,773	\$80,611	\$84,642	\$88,874	\$93,318						
Capital Outlay											
Total Expense	\$76,773	\$80,611	\$84,642	\$88,874	\$93,318						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way		\$2,642,112	\$2,642,112	\$2,642,112	\$2,642,112						\$2,642,112
Design/Surveying		\$2,383,495	\$2,383,495	\$2,383,495	\$2,383,495						\$2,383,495
Construction		\$26,819,180	\$26,819,180	\$26,819,180	\$26,819,180						\$26,819,180
Equipment and Furniture											\$0
Contingency		\$579,925	\$579,925	\$579,925	\$579,925						\$579,925
TOTAL COSTS		\$32,424,712	\$32,424,712	\$32,424,712	\$32,424,712	\$0	\$0	\$0	\$0	\$0	\$32,424,712
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds		\$8,599,585	\$8,599,585	\$8,599,585	\$8,599,585						\$8,599,585
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$23,825,127	\$23,825,127	\$23,825,127	\$23,825,127						\$23,825,127
TOTAL SOURCES		\$32,424,712	\$32,424,712	\$32,424,712	\$32,424,712	\$0	\$0	\$0	\$0	\$0	\$32,424,712
Explain & Identify Type of Other Sources: \$1.4M of GO Drainage bonds from the Cowart Creek Diversion project will be used to upsize the box culvert in this project. This will result in decreasing the cost of the Cowart Creek Project by approximately \$2.6M. HGAC TIP Funds in the amount of \$21,451,475 for construction. 20% City match required. Other Funding Sources includes bonds already sold - Fund 202 thru \$1,037,361 2014 and \$805,296 in 2015. \$67,224 from Sidewalk Fund in 2015.						Project Manager: Cara Davis					
						Project's Approval Date: 6/22/2015					


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Old Alvin Road Widening - Plum Street to McHard Road					T20002		2			
PROJECT DESCRIPTION					PROJECT IMAGE					
Reconstruction of approximately 5,700 feet of Old Alvin Rd from Plum St to McHard Rd from a 2-lane asphalt to a major collector 44 wide BC-BC 4-lane undivided curb and gutter roadway. Project includes underground drainage with 6' sidewalks along the east side and will tie into the existing bridge across town ditch.										
PROJECT JUSTIFICATION										
This proposed roadway was part of the 2007 Bond Referendum and will provide another north-south route between McHard Road and FM518. Average daily count is expected to increase once McHard is put through to Cullen.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance	\$4,807	\$19,226	\$19,226	\$19,226	\$19,226					
Capital Outlay										
Total Expense	\$4,807	\$19,226	\$19,226	\$19,226	\$19,226					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION					FY PROJECTED ALLOCATIONS					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$261,189	\$261,189	\$216,811	\$261,189						\$261,189
Land/Right of Way	\$551,878	\$551,878	\$551,878	\$551,878						\$551,878
Design/Surveying	\$1,007,300	\$1,007,300	\$1,007,300	\$1,007,300						\$1,007,300
Construction	\$8,705,208	\$8,705,208	\$651,538	\$651,538	\$8,053,670					\$8,705,208
Equipment and Furniture										\$0
Contingency	\$676,287	\$676,287			\$676,287					\$676,287
TOTAL COSTS	\$11,201,862	\$11,201,862	\$2,427,527	\$2,471,905	\$8,729,957	\$0	\$0	\$0	\$0	\$11,201,862
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$686,189	\$686,189	\$261,189	\$261,189						\$261,189
General Obligation Bonds	\$9,691,148	\$9,691,148	\$1,341,813	\$1,386,191	\$8,729,957					\$10,116,148
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$824,525	\$824,525	\$824,525	\$824,525						\$824,525
TOTAL SOURCES	\$11,201,862	\$11,201,862	\$2,427,527	\$2,471,905	\$8,729,957	\$0	\$0	\$0	\$0	\$11,201,862
¹Explain & Identify Type of Other Sources: Other funding includes \$752,000 of Lower Kirby reimbursement used pursuant to the notice of intent to issue CO's for engineering and \$72,525 from fund balance.						Project Manager: Susan Johnson				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Mykawa Road Widening - BW8 to FM 518					TR0601		7				
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. A Drainage Study, Environmental Assessment, and 95% Construction Plans were created for the segment between BW8 and McHard Rd from a previous design effort. Will require full environmental assessment and ROW takings along alignment. Run approximately 11,000' of fiber from FM 518 to Brookside.											
PROJECT JUSTIFICATION											
This proposed roadway is included in the City's Thoroughfare Plan and was one of the 2007 Bond Program projects to alleviate traffic headed south from the Beltway 8 to FM 518. The roadway moved a lot of commercial/industrial truck traffic and fronts many developed commercial entities as well as potential commercial lots.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget											
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance										\$7,169	
Capital Outlay											
Total Expense										\$7,169	
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$108,723	\$108,723	\$108,723	\$108,723	\$108,723						\$108,723
Land/Right of Way	\$1,858,000	\$1,858,000						\$1,858,000			\$1,858,000
Design/Surveying	\$1,046,000	\$1,046,000	\$2,000	\$2,000	\$1,044,000						\$1,046,000
Construction	\$40,033,000	\$40,033,000							\$16,013,200	\$24,019,800	\$40,033,000
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS	\$43,045,723	\$43,045,723	\$110,723	\$110,723	\$1,044,000	\$0	\$0	\$1,858,000	\$16,013,200	\$24,019,800	\$43,045,723
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000						\$2,000
Certificates of Obligation	\$108,723	\$108,723	\$108,723	\$108,723	\$108,723						\$108,723
General Obligation Bonds	\$8,587,000	\$8,587,000				\$208,800		\$371,600	\$3,202,640	\$4,803,960	\$8,587,000
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -	\$34,348,000	\$34,348,000				\$835,200		\$1,486,400	\$12,810,560	\$19,215,840	\$34,348,000
TOTAL SOURCES	\$43,045,723	\$43,045,723	\$110,723	\$110,723	\$1,044,000	\$0	\$0	\$1,858,000	\$16,013,200	\$24,019,800	\$43,045,723
1Explain & Identify Type of Other Sources: Remaining authorization applied to this project. Funds from Traffic Fund \$1,141 and Sidewalk Fund \$4,220. HGAC TIP estimated funding (\$34,348,000).							Project Manager: Cara Davis				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hughes Ranch Road (CR 403) - Cullen to Smith Ranch Road					TR1201		4			
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. Brown and Gay Engineering is currently completing construction plans. Environmental clearance issued in 2011, currently acquiring right of way. The project includes approximately 13,000 LF of Noise Barrier. Installation of additional water line infrastructure will be constructed in coordination with this project to fill in the gaps of the current system.										
PROJECT JUSTIFICATION										
The roadway will provide enhanced safety and access to Dawson High School located on Cullen Blvd. and enhance access to SH 288 and the 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance					\$92,786					
Capital Outlay										
Total Expense					\$92,786					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$2,000,000	\$2,000,000	\$1,300,000	\$2,000,000						\$2,000,000
Design/Surveying	\$286,000	\$286,000	\$286,000	\$286,000						\$286,000
Construction	\$33,184,000	\$33,184,000	\$16,839,591				\$13,273,600	\$19,910,400		\$33,184,000
Equipment and Furniture										\$0
Contingency	\$624,150	\$624,150	\$235,000	\$235,000			\$389,150			\$624,150
TOTAL COSTS	\$36,094,150	\$36,094,150	\$18,660,591	\$2,521,000	\$0	\$0	\$13,662,750	\$19,910,400	\$0	\$36,094,150
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds	\$9,456,403	\$9,456,403	\$4,994,371	\$2,430,453			\$3,043,870	\$3,982,080		\$9,456,403
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$26,637,747	\$26,637,747	\$13,666,220	\$90,547			\$10,618,880	\$15,928,320		\$26,637,747
TOTAL SOURCES	\$36,094,150	\$36,094,150	\$18,660,591	\$2,521,000	\$0	\$0	\$13,662,750	\$19,910,400	\$0	\$36,094,150
¹Explain & Identify Type of Other Sources: City or County future bond referendum. Other includes \$90,547 from Traffic Fund in 2013. HGAC TIP Funds (\$26,547,200), 2019 letting. Project could receive early funding if available from HGAC moving project into late 2017 or 2018.							Project Manager: Andrea Brinkley			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Fite Road Extension - Veterans to McLean					TR1202		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
An extension of Fite Road approximately 2,500 feet east of McLean, running adjacent to Centennial Park, tying into Veterans Drive. The project includes four lanes, undivided, of concrete curb and gutter including storm sewers, outfalls and detention, a traffic signal at McLean Road and includes approximately 800 feet of sound wall.											
PROJECT JUSTIFICATION											
This extension will reduce the large amount of traffic that is currently diverted to Walnut Street, which is primarily residential. The completion of this segment will allow traffic to continue on Fite beyond its current termination point, which will improve transportation efficiency and safety. The roadway is heavily used as an alternative route to FM 518 and serves residential, commercial, and school traffic.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	\$8,240	\$16,786	\$17,625	\$18,506	\$19,432						
Capital Outlay											
Total Expense	\$8,240	\$16,786	\$17,625	\$18,506	\$19,432						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
Prelim. Engineering Report										\$0	
Land/Right of Way										\$0	
Design/Surveying		\$733,284	\$733,284	\$733,284	\$733,284					\$733,284	
Construction		\$3,680,914	\$3,680,914	\$3,680,914	\$3,680,914					\$3,680,914	
Equipment and Furniture										\$0	
Contingency		\$537,464	\$537,464	\$537,464	\$537,464					\$537,464	
TOTAL COSTS		\$4,951,662	\$4,951,662	\$4,951,662	\$4,951,662	\$0	\$0	\$0	\$0	\$0	\$4,951,662
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
General Revenue - Cash										\$0	
Certificates of Obligation										\$0	
General Obligation Bonds		\$1,376,491	\$1,376,491	\$1,376,491	\$1,376,491					\$1,376,491	
New/Proposed GO Bonds										\$0	
PEDC										\$0	
W/S Revenue Bonds										\$0	
System Revenue - Cash										\$0	
Impact Fees - Cash										\$0	
Impact Fees - Debt										\$0	
Other Funding Sources ¹ -		\$3,575,171	\$3,575,171	\$3,575,171	\$3,575,171					\$3,575,171	
TOTAL SOURCES		\$4,951,662	\$4,951,662	\$4,951,662	\$4,951,662	\$0	\$0	\$0	\$0	\$0	\$4,951,662
¹ Explain & Identify Type of Other Sources: HGAC TIP Funds in the amount of \$3,447,357. 20% City match required. Includes \$25,102 from the Traffic Fund in 2013. Project should include a water and waste water component if sufficient infrastructure does not exist or is planned.						Project Manager: Cara Davis Project's Approval Date: 6/22/2015					

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Max Road Expansion - Hughes Ranch to Reid Blvd.					TR1205		3				
PROJECT DESCRIPTION					PROJECT IMAGE						
Widen 3,700 LF of Max Road from the future Hughes Ranch alignment and connecting with Reid Boulevard, just west of the Food Town shopping center. The roadway will be four lanes, divided, with concrete curb and gutter, including storm sewers, outfalls and detention. A traffic signal will be installed at the intersection of Hughes Ranch Road and Max Road, and a new bridge will be constructed over Hickory Slough. A 10-ft multi-use path will be incorporated on the west side of the roadway from Hughes Ranch to Broadway per the Trail Master Plan. Run approximately 4,500' of fiber from FM 518 to Hughes Ranch Road west of lift station.											
PROJECT JUSTIFICATION											
New residential development in the area, as well as the development of the City's Sports Complex adjacent to the proposed project, increase the demand for reliable access to the area. Improvements to this roadway will reduce maintenance, improve mobility, and increase public safety.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	\$4,097	\$38,731	\$40,667	\$42,701	\$44,836						
Capital Outlay											
Total Expense	\$4,097	\$38,731	\$40,667	\$42,701	\$44,836						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report				\$200,000							\$0
Land/Right of Way		\$1,100,000	\$1,100,000	\$406,000	\$1,100,000						\$1,100,000
Design/Surveying		\$804,219	\$804,219	\$654,000	\$804,219						\$804,219
Construction		\$7,383,773	\$7,383,773	\$6,093,773	\$4,543,773	\$2,840,000					\$7,383,773
Equipment and Furniture											\$0
Contingency		\$633,844	\$633,844	\$658,844	\$633,844						\$633,844
TOTAL COSTS		\$9,921,836	\$9,921,836	\$8,012,617	\$7,081,836	\$2,840,000	\$0	\$0	\$0	\$0	\$9,921,836
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds		\$4,849,342	\$4,849,342	\$2,874,837	\$2,540,038	\$2,309,304					\$4,849,342
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$5,072,494	\$5,072,494	\$5,137,780	\$4,541,798	\$530,696					\$5,072,494
TOTAL SOURCES		\$9,921,836	\$9,921,836	\$8,012,617	\$7,081,836	\$2,840,000	\$0	\$0	\$0	\$0	\$9,921,836
Explain & Identify Type of Other Sources: HGAC TIP Funds in the amount of \$5,072,494.						Project Manager: Andrea Brinkley					
						Project's Approval Date:					


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
McHard Road Extension (Mykawa Road to Cullen Parkway)					TR1405		6				
PROJECT DESCRIPTION					PROJECT IMAGE						
<p>The extension of approximately 3.5 miles of McHard Road, from Cullen Parkway to Mykawa Road, consisting of a 4-lane, concrete, curb and gutter, divided roadway with raised medians and underground drainage. Includes storm sewers, outfalls and detention, five traffic signals at secondary thoroughfares and major collectors, sidewalks, street lighting and landscaping. This project will be coordinated with the McHard Road Trunk Sewer extension and McHard Road Water Line Extension. Run approximately 39,000' of fiber from Alice Water Plant to Shadow Creek Parkway.</p>											
PROJECT JUSTIFICATION											
<p>This project is in accordance with the City's Thoroughfare Plan to alleviate traffic on FM518 by providing an alternate east/west route between SH288 and SH35. The project was selected by H-GAC to receive 80% federal funding for design and construction through the 2013 TIP. A design engineer has been selected, a contract negotiated and design is underway with a target of meeting a letting date of August, 2017.</p>											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance			\$158,971	\$190,765	\$190,765						
Capital Outlay											
Total Expense			\$158,971	\$190,765	\$190,765						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way		\$4,125,581	\$4,125,581	\$2,583,394	\$2,583,394	\$1,542,187					\$4,125,581
Design/Surveying		\$4,416,590	\$4,416,590	\$4,416,590	\$4,416,590						\$4,416,590
Construction		\$33,500,000	\$33,500,000	\$28,500	\$28,500	\$7,000,000	\$21,200,000	\$5,271,500			\$33,500,000
Equipment and Furniture											\$0
Contingency		\$1,418,118	\$1,418,118			\$86,000	\$1,332,118				\$1,418,118
TOTAL COSTS		\$43,460,289	\$43,460,289	\$7,028,484	\$7,028,484	\$8,628,187	\$22,532,118	\$5,271,500	\$0	\$0	\$43,460,289
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds		\$10,466,758	\$10,466,758	\$992,759	\$992,759	\$1,725,637	\$4,506,424	\$3,241,938			\$10,466,758
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$32,993,531	\$32,993,531	\$6,035,725	\$6,035,725	\$6,902,550	\$18,025,694	\$2,029,562			\$32,993,531
TOTAL SOURCES		\$43,460,289	\$43,460,289	\$7,028,484	\$7,028,484	\$8,628,187	\$22,532,118	\$5,271,500	\$0	\$0	\$43,460,289
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.							Project Manager: Jennifer Lee				
							Project's Approval Date:				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Hooper Road Extension					TR1406		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
Extension of Hooper Road from Beltway 8 for approximately 3,200 LF to the south property line of MHI. Work will include concrete curb and gutter, streetlights, sidewalks, landscaping and irrigation. Storm sewer, detention, associated water and sanitary sewer infrastructure will be included as well.											
PROJECT JUSTIFICATION											
Provide a roadway designed to handle the truck traffic associated with the industrial traffic in the Lower Kirby Area. The project will be funded by the PEDC and through 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	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way	\$87,000	\$87,000	\$87,000	\$87,000	\$87,000						\$87,000
Design/Surveying	\$390,000	\$390,000	\$390,000	\$390,000	\$390,000						\$390,000
Construction	\$2,597,000	\$2,597,000	\$2,597,000	\$2,597,000	\$2,597,000						\$2,597,000
Equipment and Furniture											\$0
Contingency	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000						\$650,000
TOTAL COSTS	\$3,724,000	\$3,724,000	\$3,724,000	\$3,724,000	\$3,724,000	\$0	\$0	\$0	\$0	\$0	\$3,724,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
PEDC	\$1,324,000	\$1,324,000	\$1,324,000	\$1,324,000	\$1,324,000						\$1,324,000
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Unfunded											\$0
Other Funding Sources ¹ -	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000						\$2,400,000
TOTAL SOURCES	\$3,724,000	\$3,724,000	\$3,724,000	\$3,724,000	\$3,724,000	\$0	\$0	\$0	\$0	\$0	\$3,724,000
¹ Explain & Identify Type of Other Sources: PEDC (25%) and developer agreement (75%). Streetscape at \$524,000 funded 100% by PEDC.						Project Manager: Valerie Marvin					
						Project's Approval Date: 3/26/2014					

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
SH288 Tollway - CR 58 to US 59					TR1407		N/A			
PROJECT DESCRIPTION					PROJECT IMAGE					
Construction of a four-lane toll way (two lanes in each direction) within the existing median of the SH288 corridor from County Road 58 in Brazoria County to US59 near downtown Houston. The existing lanes will remain free lanes. The Harris County segment will be managed and constructed by TxDOT and the Brazoria County segment will be managed and constructed by the Brazoria County Toll road Authority. The project will include entrances and exits within Pearland north of FM518 and direct access from a T-ramp at Hughes Ranch Road on the east and Discovery Bay Drive on the west. The Harris County segment includes eight (8) direct connectors. Construction is projected to start in 2016 and anticipated to be completed by end of 2018.										
PROJECT JUSTIFICATION										
The SH288 corridor has become very congested with the significant growth in Brazoria County and southern Harris County. A traditional highway expansion would not be possible for many years based on existing state funding levels. Providing additional lanes with a toll way project will significantly accelerate completion of the highway expansion.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying										\$0
Construction										\$0
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Explain & Identify Type of Other Sources:						Project Manager: N/A				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Smith Ranch Road Extension (CR 94) - Hughes Ranch Road to Broadway					TR1501		5			
PROJECT DESCRIPTION					PROJECT IMAGE					
Expansion of Smith Ranch Road from 2-lanes of asphalt into 4-lanes, divided, with raised medians, concrete curb and gutter, storm sewer, and landscaping. Project will include planning and construction of provisions for utility services along both sides of the right of way. Limits are from Hughes Ranch Road, south approximately 3,250 LF to 2,040 LF north of Broadway. Run approximately 7,000' 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance			\$15,813	\$33,208	\$34,869					
Capital Outlay										
Total Expense			\$15,813	\$33,208	\$34,869					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$816,803	\$816,803	\$816,803		\$816,803					\$816,803
Design/Surveying	\$1,000,000	\$1,000,000	\$573,678	\$1,000,000						\$1,000,000
Construction	\$4,440,300	\$4,440,300				\$2,580,000	\$1,860,300			\$4,440,300
Equipment and Furniture										\$0
Contingency	\$600,000	\$600,000	\$100,000	\$100,000			\$500,000			\$600,000
TOTAL COSTS	\$6,857,103	\$6,857,103	\$1,490,481	\$1,100,000	\$816,803	\$2,580,000	\$2,360,300	\$0	\$0	\$6,857,103
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds	\$2,957,421	\$2,957,421	\$298,006	\$114,700	\$609,628	\$516,000	\$1,717,093			\$2,957,421
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$3,899,682	\$3,899,682	\$1,192,475	\$880,091	\$312,384	\$2,064,000	\$643,207			\$3,899,682
TOTAL SOURCES	\$6,857,103	\$6,857,103	\$1,490,481	\$994,791	\$922,012	\$2,580,000	\$2,360,300	\$0	\$0	\$6,857,103
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.							Project Manager: Andrea Brinkley			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Industrial Drive Realignment					TR1502		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
Reconstruct Industrial Drive approximately 950 feet to align directly opposite each side of SH 35. Each side will include tapers to create dedicated left turn lanes and right through option lanes. Pavement will be three lanes wide tapering to the existing two lane roadway. Realignment will require drainage adjustments to both sides of SH35 including culverts and safety end treatments as well as modifications to drainage ditches in the area. Pipeline relocation/ mitigation will be required.											
PROJECT JUSTIFICATION											
TxDOT has secured safety funding to add a turn lane on SH 35 at this intersection. They will also conduct a traffic signal warrant study to determine if a signal is necessary. In order for TxDOT to move forward with these improvements East and West Industrial Drive must realign to eliminate the existing off-set. The completed project will provide a safer intersection.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	\$3,126	\$3,283	\$3,447	\$3,619	\$3,800						
Capital Outlay											
Total Expense	\$3,126	\$3,283	\$3,447	\$3,619	\$3,800						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$28,000	\$28,000	\$28,000	\$28,000						\$28,000
Land/Right of Way											\$0
Design/Surveying		\$124,000	\$124,000	\$124,000	\$124,000						\$124,000
Construction		\$890,000	\$890,000	\$890,000	\$890,000						\$890,000
Equipment and Furniture											\$0
Contingency		\$148,000	\$148,000	\$148,000	\$148,000						\$148,000
TOTAL COSTS		\$1,190,000	\$1,190,000	\$1,190,000	\$1,190,000	\$0	\$0	\$0	\$0	\$0	\$1,190,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$1,190,000	\$1,190,000	\$1,190,000	\$1,190,000						\$1,190,000
General Obligation Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Unfunded											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$1,190,000	\$1,190,000	\$1,190,000	\$1,190,000	\$0	\$0	\$0	\$0	\$0	\$1,190,000
¹ Explain & Identify Type of Other Sources:							Project Manager: Cara Davis				
							Project's Approval Date: 3/26/2014				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Intersection Improvements					TR1601		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
With the continuous development driven evolution of traffic patterns and counts, intersections encounter increasing traffic flows than they were originally constructed to handle increasing congestion and raising safety concerns. Rapidly changing traffic patterns make this hard to predict, so this is a "reactive" effort aimed at modifying intersection geometry or signalization to address these conditions as and where they occur. In the first instance, funds budgeted for 2016 are targeted for the Pearland Parkway-Broadway intersection.										
PROJECT JUSTIFICATION										
Through the 2013 citizen's survey, it was made apparent that the citizens are concerned with traffic and congestion issues. This project will allow us a funded project to address their concerns and the needs of the City to maintain or improve mobility efficiency throughout the City, while improving safety. We collect prorated fees from developers which pay for a portion of intersection improvements.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION					FY PROJECTED ALLOCATIONS					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$46,500	\$46,500	\$46,500	\$46,500						\$46,500
Construction	\$310,000	\$310,000	\$310,000	\$310,000						\$310,000
Equipment and Furniture										\$0
Contingency	\$18,500	\$18,500	\$18,500	\$18,500						\$18,500
TOTAL COSTS	\$375,000	\$375,000	\$375,000	\$375,000	\$0	\$0	\$0	\$0	\$0	\$375,000
FUNDING SOURCES					FY PROJECTED FUNDING SOURCES					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$375,000	\$375,000	\$375,000	\$375,000						\$375,000
TOTAL SOURCES	\$375,000	\$375,000	\$375,000	\$375,000	\$0	\$0	\$0	\$0	\$0	\$375,000
¹ Explain & Identify Type of Other Sources: Fund 050 fund balance.							Project Manager: Jennifer Lee			
							Project's Approval Date: 6/22/2015			


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Safe Routes to School Improvements					TR1602		17			
PROJECT DESCRIPTION					PROJECT IMAGE					
As identified in the Safe Routes to School Plan, sites may include the installation of sidewalks, drainage improvements, roadway widening, crosswalk enhancements/improvements and other traffic improvements. City staff has prioritized and produced cost estimates that include detailed scopes of work required and a project schedule. Improvements planned for HC Carlestone 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION					FY PROJECTED ALLOCATIONS					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$139,612	\$139,612	\$53,764						\$139,612	\$139,612
Design/Surveying	\$224,848	\$224,848	\$108,100					\$224,848		\$224,848
Construction	\$3,232,042	\$3,232,042	\$1,244,648						\$3,232,042	\$3,232,042
Equipment and Furniture										\$0
Contingency	\$142,880	\$142,800	\$71,440						\$142,880	\$142,880
TOTAL COSTS	\$3,739,382	\$3,739,302	\$1,477,952	\$0	\$0	\$0	\$0	\$224,848	\$3,514,534	\$3,739,382
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$1,041,782	\$1,041,782	\$439,222					\$44,970	\$996,813	\$1,041,782
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$2,697,600	\$2,697,600	\$1,038,730					\$179,878	\$2,517,721	\$2,697,600
TOTAL SOURCES	\$3,739,382	\$3,739,382	\$1,477,952	\$0	\$0	\$0	\$0	\$224,848	\$3,514,534	\$3,739,382
¹ Explain & Identify Type of Other Sources: Includes HGAC Transportation Enhancement funds in the estimated amount of \$2,697,600.							Project Manager: Public Works			
							Project's Approval Date:			


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
West McHard Pedestrian Path					TR1603		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Design and construction of an 8 foot wide concrete pedestrian path along the north right of way from the Country Place Boulevard/McHard Road intersection approximately 3,250 feet to the intersection of McHard Road and Country Place Parkway. This configuration will tie into existing pedestrian features at the traffic signals on both east and west ends.										
PROJECT JUSTIFICATION										
This developed segment of McHard Road is a Major Thoroughfare that is without pedestrian or bicycle accommodations. The addition of this pedestrian path will allow residents to access local retail, commercial, and entertainment venues without the use of motor vehicles.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJ										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$7,000	\$7,000	\$7,000	\$7,000						\$7,000
Land/Right of Way										\$0
Design/Surveying	\$36,000	\$36,000	\$36,000	\$36,000						\$36,000
Construction	\$268,037	\$268,037	\$268,037	\$268,037						\$268,037
Equipment and Furniture										\$0
Contingency	\$60,000	\$60,000	\$60,000	\$60,000						\$60,000
TOTAL COSTS	\$371,037	\$371,037	\$371,037	\$371,037	\$0	\$0	\$0	\$0	\$0	\$371,037
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$371,037	\$371,037	\$371,037	\$371,037						\$371,037
TOTAL SOURCES	\$371,037	\$371,037	\$371,037	\$371,037	\$0	\$0	\$0	\$0	\$0	\$371,037
¹ Explain & Identify Type of Other Sources: Fund 302 fund balance.						Project Manager: Susan Johnson				
						Project's Approval Date: 8/14/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
SH 288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)					TR1701		8			
PROJECT DESCRIPTION					PROJECT IMAGE					
Construct a three lane concrete curb and gutter "urban" cross-section frontage road from County Road 59 to FM 518 (Broadway), northbound only, to include a U-Turn lane under the CR59 Overpass, to include access lane to SH 288 main lanes. Project includes right of way acquisition for detention pond. This project will include extension of City utilities under a separate project to be defined at a later date.										
PROJECT JUSTIFICATION										
Current traffic routes from the Silver Lake and Southfork and areas to the south must travel through these subdivisions along Smith Ranch (CR94) to access Broadway and commercial areas in the southeast quadrant of SH 288 and Broadway. This frontage road would provide a more direct route to access these locations. Additionally, the frontage road would open up prime commercial frontage along SH 288 between CR59 and Broadway to development and will reduce traffic on Broadway.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$609,840	\$609,840						\$609,840		\$609,840
Design/Surveying	\$900,000	\$900,000			\$900,000					\$900,000
Construction	\$8,433,703	\$8,433,703						\$8,433,703		\$8,433,703
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$9,943,543	\$9,943,543	\$0	\$0	\$900,000	\$0	\$0	\$9,043,543	\$0	\$9,943,543
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$2,258,709	\$2,258,709			\$450,000			\$1,808,709		\$2,258,709
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC	\$450,000	\$450,000			\$450,000					\$450,000
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$7,234,834	\$7,234,834						\$7,234,834		\$7,234,834
TOTAL SOURCES	\$9,943,543	\$9,943,543	\$0	\$0	\$900,000	\$0	\$0	\$9,043,543	\$0	\$9,943,543
Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the amount of \$11,184,800 for a 2025 letting. Design funding to be split between City and PEDC.						Project Manager: Susan Johnson				
						Project's Approval Date:				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
East Orange Street Reconstruction - Main St. to Schlieder Dr.					TR1703		1			
PROJECT DESCRIPTION					PROJECT IMAGE					
Reconstruct approximately 4,830 feet of East Orange Street from Main Street to Schlieder Drive within existing 60 foot Right of Way. Reconstruct as a concrete curb and gutter cross section to match West Orange with underground drainage and sidewalks. Incorporate corridor drainage improvements including Park Street and Old Alvin outfalls to Town Ditch to ensure positive drainage for the north end of the Old Town area. Repair or replace damaged sanitary manholes within the work zone. Project will include the construction of the mixed use trail along the top bank of Town Ditch corridor from Main Street (SH35) to Old Alvin Road, Phase III of the Trail Connectivity plan. A segment of the trail will be installed on City owned property north of Orange Street between Grand and Park Streets in conjunction with drainage work through this area.										
PROJECT JUSTIFICATION										
East Orange Street is a minor collector but subject to increased traffic counts due to its location as a major east-west access corridor. On street parking and heavy equipment traffic to and from Public Works Service Center require the hybrid cross section developed for West Orange. Localized drainage problems for the north end of Old Town require increased outfall capacities along the corridor to resolve chronic high water complaints. Addition of the mixed use trail to this project will allow coordination of drainage improvements along the north perimeter of the drainage area and incorporate a high priority quality of life improvement in the area.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$600,000	\$600,000		\$600,000						\$600,000
Construction	\$5,400,000	\$5,400,000			\$5,400,000					\$5,400,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$6,000,000	\$6,000,000	\$0	\$600,000	\$5,400,000	\$0	\$0	\$0	\$0	\$6,000,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation	\$6,000,000	\$6,000,000		\$6,000,000						\$6,000,000
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$6,000,000	\$6,000,000	\$0	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000
1Explain & Identify Type of Other Sources:						Project Manager: Susan Johnson				
						Project's Approval Date:				

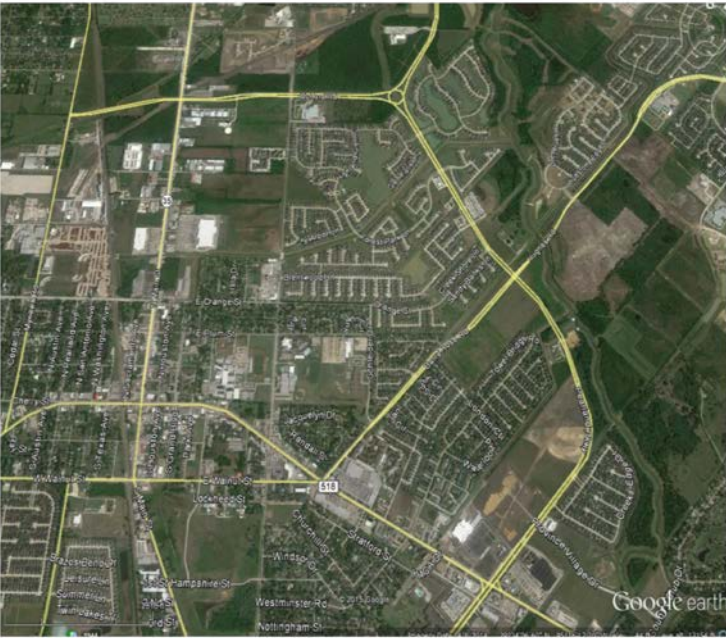
PROJECT NAME					PROJECT #		PREFERENCE ORDER				
PER for Future Bond Referendum					TR1801		10				
PROJECT DESCRIPTION					PROJECT IMAGE						
Provide funding for preliminary engineering on future projects yet to be identified that would be funded with the City's next bond referendum. Preliminary engineering would tighten down scopes and provide for estimated construction dollars that would be needed to take a proposition to the voters.											
PROJECT JUSTIFICATION											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$750,000	\$750,000				\$750,000				\$750,000
Land/Right of Way											\$0
Design/Surveying											\$0
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$750,000	\$750,000	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$750,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation		\$750,000	\$750,000				\$750,000				\$750,000
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$750,000	\$750,000	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$750,000
¹Explain & Identify Type of Other Sources:							Project Manager: _____ Projects				
							Project's Approval Date: _____				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Multi-Modal Master Plan					TR1802		9				
PROJECT DESCRIPTION					PROJECT IMAGE						
A long range mobility plan to address future and existing needs for the City's thoroughfares, trails, mass transit (park & ride, Connect Transit, and future services), bicycle and pedestrian needs.											
PROJECT JUSTIFICATION											
Provides a means to identify all modes of transportation in a comprehensive plan in order to plan for land and right of way acquisition, identify future capital projects, and develop strategies to implement new policies and procedures.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$300,000	\$300,000				\$300,000				\$300,000
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$300,000	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash		\$300,000	\$300,000				\$300,000				\$300,000
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$300,000	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000
Explain & Identify Type of Other Sources:							Project Manager:				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Intersection Improvements					TR1803		11				
PROJECT DESCRIPTION					PROJECT IMAGE						
With the continuous development driven evolution of traffic patterns and counts, intersections encounter increasing traffic flows than they were originally constructed to handle increasing congestion and raising safety concerns. Rapidly changing traffic patterns make this hard to predict, so this is a "reactive" effort aimed at modifying intersection geometry or signalization to address these conditions as and where they occur. The 2015 Traffic Management Plan identifies short term intersection improvements through out the city. A high priority intersection is the Shadow Creek Parkway at Kirby Drive south bound dual left turn lanes which is targeted for 2018.											
PROJECT JUSTIFICATION											
Through the 2013 citizen's survey, it was made apparent that the citizens are concerned with traffic and congestion issues. This project will allow us a funded project to address their concerns and the needs of the City to maintain or improve mobility efficiency throughout the City, while improving safety.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying	\$210,000	\$210,000					\$60,000	\$50,000	\$50,000	\$50,000	\$210,000
Construction	\$1,605,000	\$1,605,000					\$362,500	\$397,500	\$422,500	\$422,500	\$1,605,000
Equipment and Furniture											\$0
Contingency	\$70,000	\$70,000					\$17,500	\$17,500	\$17,500	\$17,500	\$70,000
TOTAL COSTS	\$1,885,000	\$1,885,000		\$0	\$0	\$0	\$440,000	\$465,000	\$490,000	\$490,000	\$1,885,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash	\$1,885,000	\$1,885,000					\$440,000	\$465,000	\$490,000	\$490,000	\$1,885,000
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES	\$1,885,000	\$1,885,000		\$0	\$0	\$0	\$440,000	\$465,000	\$490,000	\$490,000	\$1,885,000
¹ Explain & Identify Type of Other Sources:							Project Manager: Jennifer Lee				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Broadway Expansion (SH288 to SH35)					TR1901		16			
PROJECT DESCRIPTION					PROJECT IMAGE					
This project widens Broadway from the intersection with State Highway 288 to SH35. The project will provide three lanes each direction, raised medians, new signals and additional turn lanes where required for traffic management purposes. This will require the relocation of both wet and dry utilities, movement of signals, changes to existing drainage facilities, revisions to medians, and reconfiguration of intersections and driveways within the limits. Construction will likely be phased with the first phase from SH288 to Cullen and the second phase from Cullen to the eastern terminus. Staff has requested that this eastern terminus be changed to SH35.										
PROJECT JUSTIFICATION										
Traffic counts between SH288 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 SH288 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying										\$0
Construction	\$5,000,000	\$5,000,000						\$5,000,000		\$5,000,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$5,000,000	\$5,000,000						\$5,000,000		\$5,000,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
Explain & Identify Type of Other Sources:						Project Manager: Skipper Jones				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Pearland Parkway Traffic Circle Modifications					TR1902		15			
PROJECT DESCRIPTION					PROJECT IMAGE					
Design and construct improvements to the circular rotary 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 slightly higher speeds for right turn and through movements.										
PROJECT JUSTIFICATION										
Reconfiguration of the traffic rotary will improve traffic flows by providing for higher speed by-pass movements that result in a right existing movement and reduce conflicts resulting from the existing two lane configuration. Analysis of accident reports from this area of the Parkway indicate that these changes will reduce injury accidents without adding traffic signals that impede traffic flows adding time to the commute.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$50,000	\$50,000					\$50,000			\$50,000
Land/Right of Way										\$0
Design/Surveying	\$220,000	\$220,000					\$220,000			\$220,000
Construction	\$1,640,000	\$1,640,000					\$1,640,000			\$1,640,000
Equipment and Furniture										\$0
Contingency	\$90,000	\$90,000					\$90,000			\$90,000
TOTAL COSTS	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$2,000,000	\$2,000,000					\$2,000,000			\$2,000,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000
Explain & Identify Type of Other Sources:							Project Manager: Susan Johnson			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Pearland Parkway Superstreets Improvements					TR1903		13			
PROJECT DESCRIPTION					PROJECT IMAGE					
This project consists of the construction of approximately 6 left turn lanes and 4 U-Turn lanes along with other modifications to the median at 13 median cuts and side street intersections between the Beltway and Broadway. These modifications are designed to improve traffic flow and safety at the intersections without the installation of traffic signals by installing improvements to reduce the number of left turn entry movements into the corridor by introducing a right turn entry with a down stream left U-Turn.										
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 impeding the flow of traffic. 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$100,000	\$100,000					\$100,000			\$100,000
Land/Right of Way										\$0
Design/Surveying	\$250,000	\$250,000					\$250,000			\$250,000
Construction	\$1,700,000	\$1,700,000					\$1,700,000			\$1,700,000
Equipment and Furniture										\$0
Contingency	\$250,000	\$250,000					\$250,000			\$250,000
TOTAL COSTS	\$2,300,000	\$2,300,000	\$0	\$0	\$0	\$0	\$2,300,000	\$0	\$0	\$2,300,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$2,300,000	\$2,300,000					\$2,300,000			\$2,300,000
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$2,300,000	\$2,300,000	\$0	\$0	\$0	\$0	\$2,300,000	\$0	\$0	\$2,300,000
Explain & Identify Type of Other Sources:						Project Manager: Susan Johnson				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Street Reconstruction					TR1904		12				
PROJECT DESCRIPTION					PROJECT IMAGE						
This project consists of the rehabilitation, reconditioning and reconstruction of non-TIP funding eligible collector streets throughout the City. The specific streets are based on priorities derived through the Thoroughfare Plan, the Condition Assessment Program, traffic counts and types of traffic loads that roadway sees. The specific activity selected for each roadway may vary with the objective to maintain or improve the current average assessment score city-wide.											
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 \$3.75 million. 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.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$375,000	\$375,000					\$75,000	\$75,000	\$75,000	\$225,000
Land/Right of Way											\$0
Design/Surveying		\$1,250,000	\$1,250,000					\$250,000	\$250,000	\$250,000	\$750,000
Construction		\$8,750,000	\$8,750,000					\$1,750,000	\$1,750,000	\$1,750,000	\$5,250,000
Equipment and Furniture											\$0
Contingency		\$500,000	\$500,000					\$100,000	\$100,000	\$100,000	\$300,000
TOTAL COSTS		\$10,875,000	\$10,875,000	\$0	\$0	\$0	\$0	\$2,175,000	\$2,175,000	\$2,175,000	\$6,525,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds		\$10,875,000	\$10,875,000					\$2,175,000	\$2,175,000	\$2,175,000	\$6,525,000
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$10,875,000	\$10,875,000	\$0	\$0	\$0	\$0	\$2,175,000	\$2,175,000	\$2,175,000	\$6,525,000
Explain & Identify Type of Other Sources: Project to carryover to 2022 and 2023							Project Manager: Public Works				
							Project's Approval Date:				

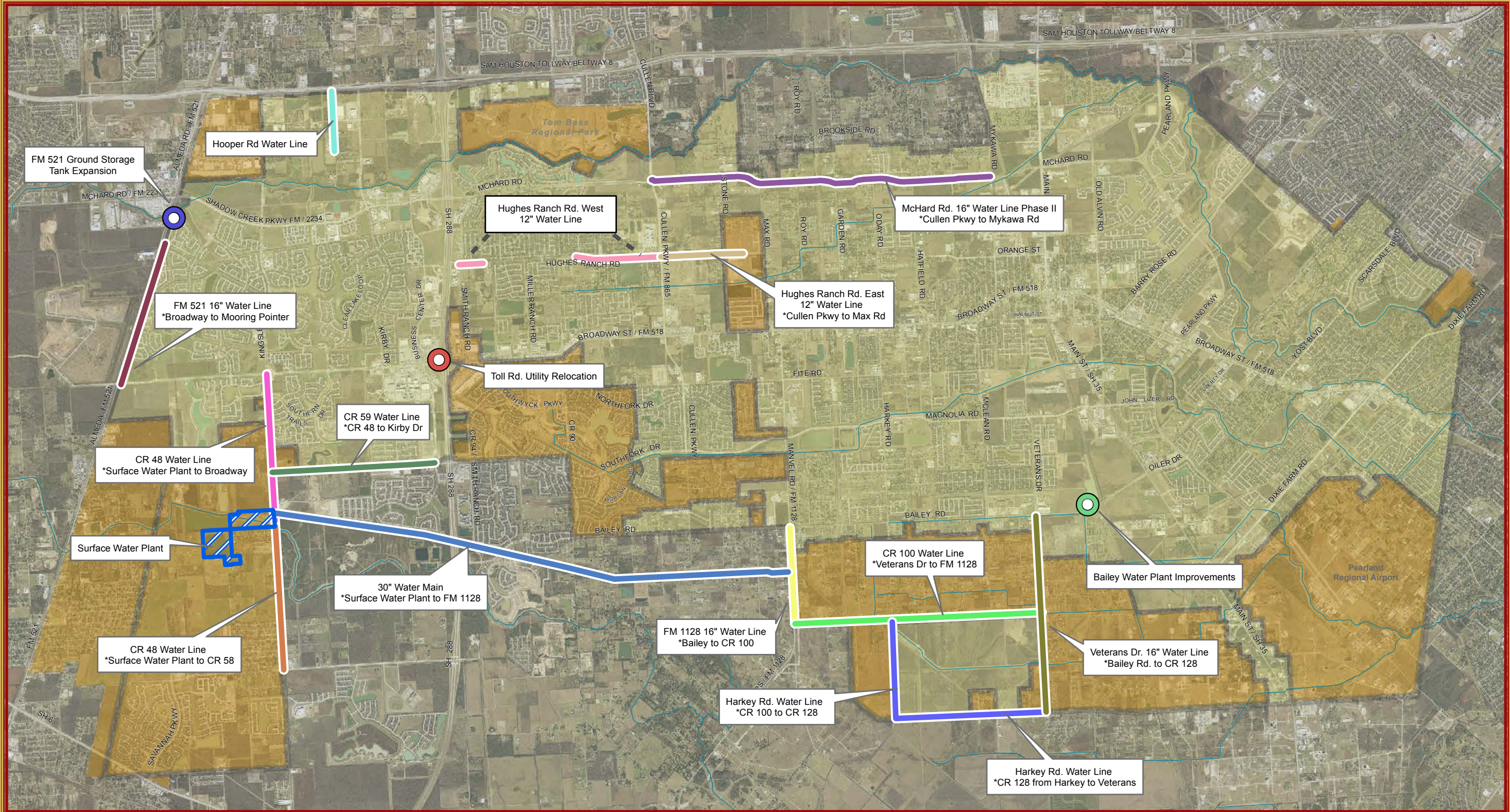
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Kingsley Drive - Clear Creek to Beltway 8					TR2001		14			
PROJECT DESCRIPTION					PROJECT IMAGE					
The expansion of approximately 1 miles of Kingsley, from Clear Creek to Beltway 8, consisting of a 4-lane, concrete, curb and gutter, divided roadway with raised medians and underground drainage. Includes storm sewers, outfalls and detention, traffic signal at the Beltway, sidewalks, street lighting and landscaping. Includes acquisition of 3.54 acres of ROW and 4 acres for pond.										
PROJECT JUSTIFICATION										
This project is in accordance with the City's Thoroughfare Plan to reduce traffic congestion at Shoadow Creek Parkway & SH288 intersection and allow direct access to the Beltway.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$205,000	\$205,000							\$205,000	\$205,000
Land/Right of Way	\$1,713,500	\$1,713,500								\$0
Design/Surveying	\$1,270,400	\$1,270,400							\$1,270,400	\$1,270,400
Construction	\$8,640,000	\$8,640,000								\$0
Equipment and Furniture										\$0
Contingency	\$1,000,000	\$1,000,000								\$0
TOTAL COSTS	\$12,828,900	\$12,828,900	\$0	\$0	\$0	\$0	\$0	\$0	\$1,475,400	\$1,475,400
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds	\$2,565,780	\$2,565,780							\$295,080	\$295,080
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$10,263,120	\$10,263,120							\$1,180,320	\$1,180,320
TOTAL SOURCES	\$12,828,900	\$12,828,900	\$0	\$0	\$0	\$0	\$0	\$0	\$1,475,400	\$1,475,400
Explain & Identify Type of Other Sources: Potential HGAC TIP funding. Project continues till 2023						Project Manager:				
						Project's Approval Date:				

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
WATER**

Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
WA1001	General Engineering/CIP Administration	416,078	550,000	50,000				1,016,078	600,000
WA1501	Toll Road Utility Relocations	789,460						789,460	
WA1504	Hooper Road Water Line	186,403						186,403	
WA1505	FM 521 Water Line - Broadway to Mooring Pointe	2,053,000	420,000					2,473,000	420,000
WA1601	McHard Rd. 16" Water Line Phase II - Cullen Parkway to Mykawa Road	100,000	5,836,480					5,936,480	5,836,480
WA1602	Hughes Ranch Road West 12" Water Line	585,000	906,000					1,491,000	906,000
WA1605	Surface Water Plant Phase 1 (10 MGD)	100,000	6,500,000		51,754,800		53,970,200	112,325,000	112,225,000
WA1701	FM 521 Ground Storage Tank Expansion		305,050	2,378,900				2,683,950	2,683,950
WA1702	Water Meter Changeout		5,800,000	5,500,000				11,300,000	11,300,000
WA1703	Underground Piping Infrastructure at Water Facilities		250,000	250,000	250,000	250,000	250,000	1,250,000	1,250,000
WA1704	Transite Water Line Replacement Program		500,000	1,000,000	1,000,000	1,500,000	1,500,000	5,500,000	5,500,000
WA1806	Bailey Water Plant Improvements			233,625	2,000,000			2,233,625	2,233,625
WA1901	Hughes Ranch Road East 12" Water Line Phase II				320,000	660,000		980,000	980,000
WA1902	FM 1128 16" Water Line - Bailey to CR 100				240,000	1,402,000		1,642,000	1,642,000
WA1903	CR 100 16" Water Line - Veterans Dr to FM 1128				670,000	2,962,500		3,632,500	3,632,500
WA1904	Harkey Rd. 12" Water Line - CR100 to CR128 & CR128 from Harkey to Veterans				608,000	2,345,000		2,953,000	2,953,000
WA1905	Veterans Dr. 16" Water Line - Bailey Rd. to CR 128				658,000	2,595,000		3,253,000	3,253,000
WA2001	CR 48 Water Line - Surface Water Plant to Broadway				6,216,000			6,216,000	6,216,000
WA2002	CR 59 Water Line - CR 48 to Kirby Dr				4,904,200			4,904,200	4,904,200
WA2003	30" Water Main - Surface Water Plant to FM1128 along American Canal				17,895,000			17,895,000	17,895,000
WA2004	CR 48 Water Line - Surface Water Plant to CR 58				4,230,000			4,230,000	4,230,000
	TOTAL	\$ 4,229,941	\$ 21,067,530	\$ 9,412,525	\$ 90,746,000	\$ 11,714,500	\$ 55,720,200	\$ 192,890,696	\$ 188,660,755

SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash								
Certificates of Obligation								
General Obligation Bonds								
New/Proposed GO Bonds								
PEDC	186,403						186,403	
W/S Revenue Bonds	2,150,015	18,993,765	1,423,075	45,935,025	5,435,750	26,985,100	100,922,730	98,772,715
System Revenues - Cash	268,660	750,000	1,300,000	1,250,000	1,750,000	1,750,000	7,068,660	6,800,000
Impact Fees - Cash	292,500					470,200	762,700	470,200
Impact Fees - Debt		6,571,240	1,189,450	42,500,000	3,466,250	26,514,900	80,241,840	80,241,840
Other Funding Sources	1,332,363	252,525		1,060,975	1,062,500		3,708,363	2,376,000
TOTAL	\$ 4,229,941	\$ 26,567,530	\$ 3,912,525	\$ 90,746,000	\$ 11,714,500	\$ 55,720,200	\$ 192,890,696	\$ 188,660,755

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year and then sells the bonds in the next year.



CITY OF PEARLAND

2017 - 2021

Capital Improvement Projects

Water

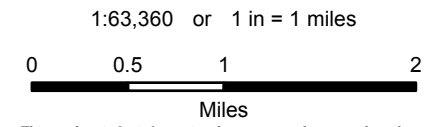
- Bailey Water Plant Improvements
- FM 521 Ground Storage Tank Expansion
- Toll Rd. Utility Relocations

- 30" Water Main
- CR 100 Water Line
- CR 48 Water Line
- CR 48 Water Line
- CR 59 Water Line
- FM 1128 16" Water Line
- FM 521 16" Water Line

- Hughes Ranch Road East 12" Water Line Phase II
- Hughes Ranch Road West 12" Water Line
- McHard Road 16" Water Line Phase II
- Veterans Drive 16" Water Line
- Harkey Rd 12" Water Line
- Hooper Road Water Line
- Surface Water Plant


- City Limits
- ETJ

Projects Not Shown
 *Water Meter Changeout
 *General Engineering/CIP Administration
 *Transite Water Line Replacement Program
 *Underground Piping Infrastructure at Water Facilities



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 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
General Engineering/CIP Administration					WA1001		1				
PROJECT DESCRIPTION					PROJECT IMAGE						
This project provides services necessary for the entire CIP and not project specific but is specific to the water and wastewater projects. The Water and Wastewater Master Plans will be updated and any special studies will be completed as necessary.											
PROJECT JUSTIFICATION											
The last update to the Water Master Plan was completed in 2012, and most of the high priority projects identified at that time have been completed. Additionally, the master plan updates will ensure that projects included in the CIP are based upon priority and the special studies will include cost estimates for the projects. As the City continues to grow towards build out, new water sources need to be identified and projects prioritized.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								PROJECT TOTAL
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	
Prelim. Engineering Report		\$500,000	\$500,000			\$500,000					\$500,000
Land/Right of Way											\$0
Design/Surveying		\$516,078	\$516,078	\$437,715	\$416,078	\$50,000	\$50,000				\$516,078
Construction											\$0
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$1,016,078	\$1,016,078	\$437,715	\$416,078	\$550,000	\$50,000	\$0	\$0	\$0	\$1,016,078
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								PROJECT TOTAL
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash		\$762,715	\$762,715	\$162,715	\$162,715	\$550,000	\$50,000				\$762,715
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$253,363	\$253,363	\$275,000	\$253,363						\$253,363
TOTAL SOURCES		\$1,016,078	\$1,016,078	\$437,715	\$416,078	\$550,000	\$50,000	\$0	\$0	\$0	\$1,016,078
Explain & Identify Type of Other Sources: Funding for updates to the water and wastewater master plan. Fund 301 Fund balance (\$253,363).							Project Manager: TBD				
							Project's Approval Date:				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Toll Road Utility Relocations					WA1501		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
<p>The project consists of relocating 600 linear feet of 16 inch water main by directional drill beneath the northern embankment for the FM 518 overpass on SH 288. At Smith Ranch approximately 1,330 feet of 12 inch PVC water line will be relocated and placed in 18 inch steel casing. At this same location approximately 970 feet of 4 inch Force Main will be relocated by open cut and another 130 feet by directional drill and placed in steel casing to allow for the installation of the T-Ramp.</p>											
PROJECT JUSTIFICATION											
<p>Existing utilities in both locations will conflict with improvements being constructed for the SH 288 Toll Lanes. At FM 518 the SH 288 Overpass will be lengthened placing support foundations in the current location of the water line. On Smith Ranch, the intersection will be extensively reconstructed to provide for an elevated T-Ramp from Hughes Ranch to the toll lanes.</p>											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PRO								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$40,000	\$40,000	\$40,000	\$40,000						\$40,000
Construction		\$749,460	\$749,460	\$749,460	\$749,460						\$749,460
Equipment and Furniture											\$0
Contingency											\$0
TOTAL COSTS		\$789,460	\$789,460	\$789,460	\$789,460	\$0	\$0	\$0	\$0	\$0	\$789,460
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$789,460	\$789,460	\$789,460	\$789,460						\$789,460
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -											\$0
TOTAL SOURCES		\$789,460	\$789,460	\$789,460	\$789,460	\$0	\$0	\$0	\$0	\$0	\$789,460
¹ Explain & Identify Type of Other Sources:							Project Manager: Andrea Brinkley				
							Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hooper Road Water Line					WA1504		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Installation of approximately 3,200 LF of 8" PVC water line from Beltway 8, south along Hooper Road. The project will be constructed with the Hooper Road Extension project.										
PROJECT JUSTIFICATION										
Provide water service in the Lower Kirby Area currently not served.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$14,000	\$14,000	\$14,000	\$14,000						\$14,000
Construction	\$149,403	\$149,403	\$149,403	\$149,403						\$149,403
Equipment and Furniture										\$0
Contingency	\$23,000	\$23,000	\$23,000	\$23,000						\$23,000
TOTAL COSTS	\$186,403	\$186,403	\$186,403	\$186,403	\$0	\$0	\$0	\$0	\$0	\$186,403
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC	\$186,403	\$186,403	\$186,403	\$186,403						\$186,403
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$186,403	\$186,403	\$186,403	\$186,403	\$0	\$0	\$0	\$0	\$0	\$186,403
Explain & Identify Type of Other Sources: PEDC						Project Manager: TBD				
						Project's Approval Date: 3/26/2014				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
FM 521 Water Line - Broadway to Mooring Pointe					WA1505		9			
PROJECT DESCRIPTION					PROJECT IMAGE					
8,000 feet of 16" water line along Almeda Rd from Broadway to Mooring Pointe.										
PROJECT JUSTIFICATION										
Looping of transmission lines based on the City's water model.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report			\$45,630							\$0
Land/Right of Way	\$100,000	\$100,000	\$75,000	\$100,000						\$100,000
Design/Surveying	\$508,000	\$508,000	\$192,370	\$508,000						\$508,000
Construction	\$1,535,000	\$1,535,000	\$1,215,000	\$1,215,000	\$320,000					\$1,535,000
Equipment and Furniture										\$0
Contingency	\$330,000	\$330,000	\$230,000	\$230,000	\$100,000					\$330,000
TOTAL COSTS	\$2,473,000	\$2,473,000	\$1,758,000	\$2,053,000	\$420,000	\$0	\$0	\$0	\$0	\$2,473,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$1,488,055	\$1,488,055	\$773,055	\$1,068,055	\$420,000					\$1,488,055
System Revenue - Cash	\$105,945	\$105,945	\$105,945	\$105,945						\$105,945
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$879,000	\$879,000	\$879,000	\$879,000						\$879,000
TOTAL SOURCES	\$2,473,000	\$2,473,000	\$1,758,000	\$2,053,000	\$420,000	\$0	\$0	\$0	\$0	\$2,473,000
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance (\$879,000).						Project Manager: Jennifer Lee				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
McHard Rd. 16" Water Line Phase II - Cullen Parkway to Mykawa Road					WA1601		3			
PROJECT DESCRIPTION					PROJECT IMAGE					
Phase II extends from Cullen Parkway to Mykawa a total of 17,340 linear feet. This portion of the project is timed to coincide with Right of Way approval and acquisition for the McHard Road project.										
PROJECT JUSTIFICATION										
This will be a second continuous connection between the east and west sides of the City. It will allow for more efficient water flow, better fire protection and the movement of water from the expanded Alice Street Water Plant. This will reduce monthly average payments for water supplied to the west side from the Far North West plant where purchase prices are much higher.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance			(\$375,000)	(\$750,000)	(\$750,000)					
Capital Outlay										
Total Expense			(\$375,000)	(\$750,000)	(\$750,000)					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
Purchased water from the City of Houston Connection at Alice Street will reduce by approximately \$750,000/year.										
PROJECT COSTS ALLOCATION					FY PROJECTED ALLOCATIONS					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$100,000	\$100,000	\$100,000	\$100,000						\$100,000
Construction	\$5,206,480	\$5,206,480			\$5,206,480					\$5,206,480
Equipment and Furniture										\$0
Contingency	\$630,000	\$630,000			\$630,000					\$630,000
TOTAL COSTS	\$5,936,480	\$5,936,480	\$100,000	\$100,000	\$5,836,480	\$0	\$0	\$0	\$0	\$5,936,480
FUNDING SOURCES					FY PROJECTED FUNDING SOURCES					
	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,968,240	\$2,968,240			\$2,968,240					\$2,968,240
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$2,868,240	\$2,868,240			\$2,868,240					\$2,868,240
Other Funding Sources ¹ -	\$100,000	\$100,000	\$100,000	\$100,000						\$100,000
TOTAL SOURCES	\$5,936,480	\$5,936,480	\$100,000	\$100,000	\$5,836,480	\$0	\$0	\$0	\$0	\$5,936,480
¹ Explain & Identify Type of Other Sources: Fund 42 fund balance (\$100,000).						Project Manager: Jennifer Lee				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hughes Ranch Road West 12" Water Line					WA1602		8			
PROJECT DESCRIPTION					PROJECT IMAGE					
Installation of approximately 3,000 LF of 12" water line along Hughes Ranch Road from CR 94 to Cullen Parkway. This water line connection will be done in coordination with the Hughes Ranch Road Expansion from CR 94 to Cullen Parkway. Infill of existing system 1,550 LF North Hampton to Brookney and 1,450 LF Smith to May Court.										
PROJECT JUSTIFICATION										
There is currently several missing sections of water line totaling approximately 5,200' along Hughes Ranch Road. The water line will connect existing City lines to acquired MUD water lines.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$60,000	\$60,000	\$125,000	\$60,000						\$60,000
Construction	\$1,275,000	\$1,275,000	\$460,000	\$525,000	\$750,000					\$1,275,000
Equipment and Furniture										\$0
Contingency	\$156,000	\$156,000			\$156,000					\$156,000
TOTAL COSTS	\$1,491,000	\$1,491,000	\$585,000	\$585,000	\$906,000	\$0	\$0	\$0	\$0	\$1,491,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$745,500	\$745,500	\$292,500	\$292,500	\$453,000					\$745,500
System Revenue - Cash										\$0
Impact Fees - Cash	\$292,500	\$292,500	\$292,500	\$292,500						\$292,500
Impact Fees - Debt	\$453,000	\$453,000			\$453,000					\$453,000
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$1,491,000	\$1,491,000	\$585,000	\$585,000	\$906,000	\$0	\$0	\$0	\$0	\$1,491,000
Explain & Identify Type of Other Sources:						Project Manager: Andrea Brinkley				
						Project's Approval Date:				


PROJECT NAME					PROJECT #	PREFERENCE ORDER				
Surface Water Plant Phase 1 (10 MGD)					WA1605	2				
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>Pilot testing, design, and construction of a 10 MGD Surface Water Treatment Plant that will treat raw water from the Gulf Coast Water Authority (GCWA) canal for distribution throughout the City's water system. A future phase will include an additional 10 MGD of capacity. The plant will be located on City property on CR48 south of CR59, which is adjacent to the GCWA canal. Pilot testing will begin in FY2017 followed by design and construction. The project is scheduled to be completed over a five year period with new capacity available by 2022/2023. Installation of fiber to serve the City's SCADA system.</p>										
PROJECT JUSTIFICATION										
<p>The project will provide additional potable water capacity to meet demands of northern Brazoria County as the region continues to grow. The 2012 Water Model Update based on growth projections established that the demand for an additional 10 MGD would need to be met by 2022/2023.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$6,600,000	\$6,600,000	\$100,000	\$100,000	\$6,500,000					\$6,600,000
Land/Right of Way										\$0
Design/Surveying	\$16,500,000	\$16,500,000					\$16,500,000			\$16,500,000
Construction	\$89,225,000	\$89,225,000					\$35,254,800		\$53,970,200	\$89,225,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$112,325,000	\$112,325,000	\$100,000	\$100,000	\$6,500,000	\$0	\$51,754,800	\$0	\$53,970,200	\$112,325,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$56,112,500	\$56,112,500			\$3,250,000		\$25,877,400		\$26,985,100	\$56,112,500
System Revenue - Cash										\$0
Impact Fees - Cash	\$470,200	\$470,200							\$470,200	\$470,200
Impact Fees - Debt	\$55,642,300	\$55,642,300			\$3,250,000		\$25,877,400		\$26,514,900	\$55,642,300
Other Funding Sources ¹ -	\$100,000	\$100,000	\$100,000	\$100,000						\$100,000
TOTAL SOURCES	\$112,325,000	\$112,325,000	\$100,000	\$100,000	\$6,500,000	\$0	\$51,754,800	\$0	\$53,970,200	\$112,325,000
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance and reallocation of \$109,947 from City of Houston Water Line. This project carries over to 2022/2023. Project 7 in 2013 impact fee update. Applied for SWIFT funding through Texas Water Development Board for plant and transmission lines						Project Manager: Andrea Brinkley Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
FM 521 Ground Storage Tank Expansion					WA1701		10			
PROJECT DESCRIPTION					PROJECT IMAGE					
Installation of a third ground storage tank and related piping and controls to work in conjunction with the McHard Road water transmission line. Includes a 3,600' run of conduit and fiber to connect the plant to the fiber located on Shadow Creek Parkway.										
PROJECT JUSTIFICATION										
The McHard Road water line was designed to transfer less expensive water from the Southeast Water Purification Plant to the west side of Pearland and replace water purchased at a more expensive rate from the City of Houston. This tank is required to store water for distribution.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance		\$60,086	\$120,172	\$120,172	\$120,172					
Capital Outlay										
Total Expense		\$60,086	\$120,172	\$120,172	\$120,172					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$76,250	\$76,250		\$76,250					\$76,250
Land/Right of Way										\$0
Design/Surveying		\$228,800	\$228,800		\$228,800					\$228,800
Construction		\$1,898,700	\$1,898,700			\$1,898,700				\$1,898,700
Equipment and Furniture										\$0
Contingency		\$480,200	\$480,200			\$480,200				\$480,200
TOTAL COSTS		\$2,683,950	\$2,683,950	\$0	\$0	\$305,050	\$2,378,900	\$0	\$0	\$0
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds		\$1,341,975	\$1,341,975		\$152,525	\$1,189,450				\$1,341,975
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt		\$1,189,450	\$1,189,450			\$1,189,450				\$1,189,450
Other Funding Sources ¹ -		\$152,525	\$152,525		\$152,525					\$152,525
TOTAL SOURCES		\$2,683,950	\$2,683,950	\$0	\$0	\$2,378,900	\$0	\$0	\$0	\$2,683,950
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance (\$152,525). Project 14 in 2013 impact fee update.						Project Manager: Susan Johnson				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Water Meter Changeout					WA1702		4				
PROJECT DESCRIPTION					PROJECT IMAGE						
Changeout of approximately 36,500 water meters and drive-by reading system with a wireless remote read and addition of Customer Portal Technology. The changeout will include remote antennae, meters, external antennae on meter lids, installation, hardware and software, and vaults as needed.											
PROJECT JUSTIFICATION											
AWWA standards recommends that residential meters be replaced when over 10 years old or more than 1.0 mill gallons have passed through the meter. By 2017 approximately 22,000 meters in Pearland will be older than 10 years old or have 1.0 million gallons that have passed through the meters. The AWWA standard is based on .25 gallons per min. The newer meters will register .03 gallons per minute, thus measuring more water, increasing revenues and reducing water loss. Newer technology will allow for remote turn on and off and capture water and loss associated with a given area. Customer expectations are also higher wanting information more readily to view (graphs, etc.) and the customer portal would provide.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$300,000	\$300,000			\$300,000					\$300,000
Construction											\$0
Equipment and Furniture		\$11,000,000	\$11,000,000			\$5,500,000	\$5,500,000				\$11,000,000
Contingency											\$0
TOTAL COSTS		\$11,300,000	\$11,300,000	\$0	\$0	\$5,800,000	\$5,500,000	\$0	\$0	\$0	\$11,300,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$11,000,000	\$11,000,000			\$11,000,000					\$11,000,000
System Revenue - Cash		\$200,000	\$200,000			\$200,000					\$200,000
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$100,000	\$100,000			\$100,000					\$100,000
TOTAL SOURCES		\$11,300,000	\$11,300,000	\$0	\$0	\$11,300,000	\$0	\$0	\$0	\$0	\$11,300,000
¹Explain & Identify Type of Other Sources: TWDB (Water Drinking Fund) \$11,000,000 and \$100,000 Fund 565 fund balance							Project Manager: Utility Billing				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Underground Piping Infrastructure at Water Production Facilities					WA1703		6			
PROJECT DESCRIPTION					PROJECT IMAGE					
This program will replace significant portions of the aging large diameter water conveyance pipe located at water production facilities. This program will inspect each of the 10 facilities and make recommendations for the design and replacement of failing piping within each facility.										
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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying										\$0
Construction	\$1,250,000	\$1,250,000			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$1,250,000	\$1,250,000	\$0	\$0	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$250,000	\$250,000			\$250,000					\$250,000
System Revenue - Cash	\$1,000,000	\$1,000,000				\$250,000	\$250,000	\$250,000	\$250,000	\$1,000,000
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$1,250,000	\$1,250,000	\$0	\$0	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Explain & Identify Type of Other Sources:						Project Manager: Tracy Sombrano				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Transite Pipe Water Line Replacement Program					WA1704		5			
PROJECT DESCRIPTION					PROJECT IMAGE					
Replace approximately 63 miles of failing Transite pipe water lines (over 30 years old) in the City with PVC water lines. The program will replace the water line infrastructure in the following locations over a period of years - Corrigan, Old Town Site, Sommersetshire, Country Place, Green Tee, Westminster, Brookside Acres, Shadycrest, Creek View, Parkview, Wood Creek, Heritage Green, Clear Creek Estates, and Southdown subdivisions.										
PROJECT JUSTIFICATION										
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This program will replace the failing Transite pipe infrastructure with PVC which was not prevalent in the industry at the time the Transite pipe lines were installed. The Transite pipe lines are responsible for a higher percentage of work orders per foot than comparable PVC lines and require an inordinate amount of resources to maintain relative to PVC. The program will also provide the opportunity to resolve dead end water line issues in the effected 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$160,000	\$160,000			\$60,000	\$100,000				\$160,000
Construction	\$5,340,000	\$5,340,000			\$440,000	\$900,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,340,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$5,500,000	\$5,500,000	\$0	\$0	\$500,000	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,500,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$500,000	\$500,000			\$500,000					\$500,000
System Revenue - Cash	\$5,000,000	\$5,000,000				\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,000,000
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,500,000	\$5,500,000	\$0	\$0	\$500,000	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,500,000
¹Explain & Identify Type of Other Sources: Program to carryover until all Transite water lines are replaced.						Project Manager: John Hines				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Bailey Water Plant Improvements					WA1806		7			
PROJECT DESCRIPTION					PROJECT IMAGE					
Elevated levels of organic manganese cause taste, odor and appearance issues though the water product itself remains safe for consumption. The 1st phase of this project installed a distribution line at the facility that improved water quality by providing adequate water flow within the tank. The 2nd phase of this project includes the installation of a 'green sand' filter that will chemically bond with manganese and iron to remove it.										
PROJECT JUSTIFICATION										
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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$233,625	\$233,625				\$233,625				\$233,625
Construction	\$1,666,000	\$1,666,000					\$1,666,000			\$1,666,000
Equipment and Furniture										\$0
Contingency	\$334,000	\$334,000					\$334,000			\$334,000
TOTAL COSTS	\$2,233,625	\$2,233,625	\$0	\$0	\$0	\$233,625	\$2,000,000	\$0	\$0	\$2,233,625
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,233,625	\$2,233,625				\$233,625	\$2,000,000			\$2,233,625
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$2,233,625	\$2,233,625	\$0	\$0	\$0	\$233,625	\$2,000,000	\$0	\$0	\$2,233,625
Explain & Identify Type of Other Sources:						Project Manager: Public Works				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hughes Ranch Road East 12" Water Line Phase II					WA1901		14			
PROJECT DESCRIPTION					PROJECT IMAGE					
Installation of approximately 3,000 LF of a water line, extending along Hughes Ranch Road from Cullen Parkway to Max Road, near the Hickory Slough Sportsplex. This water line extension will be completed in coordination with the Hughes Ranch Road Expansion.										
PROJECT JUSTIFICATION										
The water line extension will tie the dead end water line on Max Road into the transmission line on Cullen Parkway.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$220,000	\$220,000					\$220,000			\$220,000
Design/Surveying	\$100,000	\$100,000					\$100,000			\$100,000
Construction	\$500,000	\$500,000						\$500,000		\$500,000
Equipment and Furniture										\$0
Contingency	\$160,000	\$160,000						\$160,000		\$160,000
TOTAL COSTS	\$980,000	\$980,000	\$0	\$0	\$0	\$0	\$320,000	\$660,000	\$0	\$980,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$980,000	\$980,000					\$320,000	\$660,000		\$980,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$980,000	\$980,000	\$0	\$0	\$0	\$0	\$320,000	\$660,000	\$0	\$980,000
Explain & Identify Type of Other Sources:						Project Manager: Andrea Brinkley				
						Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
FM 1128 16" Water Line - Bailey to CR 100					WA1902		18			
PROJECT DESCRIPTION					PROJECT IMAGE					
To install approximately 5,300 feet of water line along FM 1128 (Manvel Rd) from Bailey Rd. to CR100.										
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. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$45,000	\$45,000					\$45,000			\$45,000
Land/Right of Way	\$135,000	\$135,000					\$100,000	\$35,000		\$135,000
Design/Surveying	\$95,000	\$95,000					\$95,000			\$95,000
Construction	\$1,082,000	\$1,082,000						\$1,082,000		\$1,082,000
Equipment and Furniture										\$0
Contingency	\$285,000	\$285,000						\$285,000		\$285,000
TOTAL COSTS	\$1,642,000	\$1,642,000	\$0	\$0	\$0	\$0	\$240,000	\$1,402,000	\$0	\$1,642,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$956,525	\$956,525					\$132,025	\$824,500		\$956,525
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$685,475	\$685,475					\$107,975	\$577,500		\$685,475
TOTAL SOURCES	\$1,642,000	\$1,642,000	\$0	\$0	\$0	\$0	\$240,000	\$1,402,000	\$0	\$1,642,000
Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Project 8 in 2013 impact fee update.							Project Manager: Susan Johnson			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
CR 100 16" Water Line - Veterans Dr to FM 1128					WA1903		17			
PROJECT DESCRIPTION					PROJECT IMAGE					
To install approximately 13,200 feet of water line along CR 100 from Veterans Dr. to FM 1128 (Manvel Rd).										
PROJECT JUSTIFICATION										
This will supply water for future development along this corridor based on the 2007 Water Model Update, projected growth. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$100,000	\$100,000					\$100,000			\$100,000
Land/Right of Way	\$330,000	\$330,000					\$250,000	\$80,000		\$330,000
Design/Surveying	\$320,000	\$320,000					\$320,000			\$320,000
Construction	\$2,397,500	\$2,397,500						\$2,397,500		\$2,397,500
Equipment and Furniture										\$0
Contingency	\$485,000	\$485,000						\$485,000		\$485,000
TOTAL COSTS	\$3,632,500	\$3,632,500	\$0	\$0	\$0	\$0	\$670,000	\$2,962,500	\$0	\$3,632,500
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$1,816,250	\$1,816,250					\$335,000	\$1,481,250		\$1,816,250
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$996,250	\$996,250						\$996,250		\$996,250
Other Funding Sources ¹ -	\$820,000	\$820,000					\$335,000	\$485,000		\$820,000
TOTAL SOURCES	\$3,632,500	\$3,632,500	\$0	\$0	\$0	\$0	\$670,000	\$2,962,500	\$0	\$3,632,500
Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Project 9 in 2013 impact fee update.							Project Manager: Cara Davis			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Harkey Rd. 12" Water Line - CR100 to CR128 & CR128 from Harkey to Veterans					WA1904		16				
PROJECT DESCRIPTION					PROJECT IMAGE						
To install approximately 13,300 feet of water line from Harkey Rd/CR100 south to CR128 then east to Veterans Dr.											
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. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
FY PROJECTED ALLOCATIONS											
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
Prelim. Engineering Report	\$78,000	\$78,000					\$78,000			\$78,000	
Land/Right of Way	\$270,000	\$270,000					\$250,000	\$20,000		\$270,000	
Design/Surveying	\$280,000	\$280,000					\$280,000			\$280,000	
Construction	\$2,000,000	\$2,000,000						\$2,000,000		\$2,000,000	
Equipment and Furniture										\$0	
Contingency	\$325,000	\$325,000						\$325,000		\$325,000	
TOTAL COSTS	\$2,953,000	\$2,953,000	\$0	\$0	\$0	\$0	\$608,000	\$2,345,000	\$0	\$2,953,000	
FY PROJECTED FUNDING SOURCES											
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL	
General Revenue - Cash										\$0	
Certificates of Obligation										\$0	
General Obligation Bonds										\$0	
New/Proposed GO Bonds										\$0	
PEDC										\$0	
W/S Revenue Bonds	\$1,491,500	\$1,491,500					\$319,000	\$1,172,500		\$1,491,500	
System Revenue - Cash										\$0	
Impact Fees - Cash										\$0	
Impact Fees - Debt	\$1,172,500	\$1,172,500						\$1,172,500		\$1,172,500	
Other Funding Sources ¹ -	\$289,000	\$289,000					\$289,000			\$289,000	
TOTAL SOURCES	\$2,953,000	\$2,953,000	\$0	\$0	\$0	\$0	\$608,000	\$2,345,000	\$0	\$2,953,000	
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Project 10 in 2013 impact fee update.							Project Manager: Cara Davis				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Veterans Dr. 16" Water Line - Bailey Rd. to CR 128					WA1905		15				
PROJECT DESCRIPTION					PROJECT IMAGE						
To 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. Includes funding for acquisition of 10' water line easement totaling approximately 1.25 acres along & abutting ROW.											
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. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$78,000	\$78,000					\$78,000			\$78,000
Land/Right of Way		\$300,000	\$300,000					\$300,000			\$300,000
Design/Surveying		\$280,000	\$280,000					\$280,000			\$280,000
Construction		\$2,270,000	\$2,270,000						\$2,270,000		\$2,270,000
Equipment and Furniture											\$0
Contingency		\$325,000	\$325,000						\$325,000		\$325,000
TOTAL COSTS		\$3,253,000	\$3,253,000	\$0	\$0	\$0	\$0	\$658,000	\$2,595,000	\$0	\$3,253,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$1,626,500	\$1,626,500					\$329,000	\$1,297,500		\$1,626,500
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt		\$1,297,500	\$1,297,500						\$1,297,500		\$1,297,500
Other Funding Sources ¹ -		\$329,000	\$329,000					\$329,000			\$329,000
TOTAL SOURCES		\$3,253,000	\$3,253,000	\$0	\$0	\$0	\$0	\$658,000	\$2,595,000	\$0	\$3,253,000
¹Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Project 11 in 2013 impact fee update.							Project Manager: Andrea Brinkley				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
CR 48 Water Line - Surface Water Plant to Broadway					WA2001		11			
PROJECT DESCRIPTION					PROJECT IMAGE					
Construct approximately 9,500 feet of water main from Surface Water Plant along County Road 48 north to FM 518 (Broadway). Includes purchase of 10' water line easement along and abutting road Right of Way estimated at approximately 2 acres. Project includes installation of fiber.										
PROJECT JUSTIFICATION										
This line forms the initial portion of the water system to carry water from the Surface Water Plant north, tying into County Road 59 and Broadway lines forming the initial phase of the transmission system for future water supply to the western portion of the City.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$480,000	\$480,000					\$480,000			\$480,000
Design/Surveying	\$575,000	\$575,000					\$575,000			\$575,000
Construction	\$4,811,000	\$4,811,000					\$4,811,000			\$4,811,000
Equipment and Furniture										\$0
Contingency	\$350,000	\$350,000					\$350,000			\$350,000
TOTAL COSTS	\$6,216,000	\$6,216,000	\$0	\$0	\$0	\$0	\$6,216,000	\$0	\$0	\$6,216,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$3,108,000	\$3,108,000					\$3,108,000			\$3,108,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$3,108,000	\$3,108,000					\$3,108,000			\$3,108,000
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$6,216,000	\$6,216,000	\$0	\$0	\$0	\$0	\$6,216,000	\$0	\$0	\$6,216,000
¹Explain & Identify Type of Other Sources: Waterline size to be determined by future PER of Surface Water Plant.										
						Project Manager:				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
CR 59 Water Line - CR 48 to Kirby Dr					WA2002		12			
PROJECT DESCRIPTION					PROJECT IMAGE					
Project consists of approximately 9,000 feet of water line from County Road 48 east along County Road 59 and connecting to existing water line on Kirby Drive. Includes 2.1 acres of water line easement 10' wide along and abutting road Right of Way.										
PROJECT JUSTIFICATION										
This project will complete a component of the distribution network from the new Surface Water Plant.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$230,000	\$230,000					\$230,000			\$230,000
Design/Surveying	\$427,200	\$427,200					\$427,200			\$427,200
Construction	\$3,810,000	\$3,810,000					\$3,810,000			\$3,810,000
Equipment and Furniture										\$0
Contingency	\$437,000	\$437,000					\$437,000			\$437,000
TOTAL COSTS	\$4,904,200	\$4,904,200	\$0	\$0	\$0	\$0	\$4,904,200	\$0	\$0	\$4,904,200
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,452,100	\$2,452,100					\$2,452,100			\$2,452,100
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$2,452,100	\$2,452,100					\$2,452,100			\$2,452,100
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$4,904,200	\$4,904,200	\$0	\$0	\$0	\$0	\$4,904,200	\$0	\$0	\$4,904,200
1Explain & Identify Type of Other Sources:						Project Manager:				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
30" Water Main - Surface Water Plant to FM1128 along American Canal					WA2003		13			
PROJECT DESCRIPTION					PROJECT IMAGE					
Project consists of approximately 30,000 LF of water line from the Surface Water Plant to FM 1128 along the American Canal.										
PROJECT JUSTIFICATION										
This project will complete a component of the distribution network from the new Surface Water Plant.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$750,000	\$750,000					\$750,000			\$750,000
Design/Surveying	\$1,620,000	\$1,620,000					\$1,620,000			\$1,620,000
Construction	\$14,445,000	\$14,445,000					\$14,445,000			\$14,445,000
Equipment and Furniture										\$0
Contingency	\$1,080,000	\$1,080,000					\$1,080,000			\$1,080,000
TOTAL COSTS	\$17,895,000	\$17,895,000	\$0	\$0	\$0	\$0	\$17,895,000	\$0	\$0	\$17,895,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$8,947,500	\$8,947,500					\$8,947,500			\$8,947,500
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$8,947,500	\$8,947,500					\$8,947,500			\$8,947,500
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$17,895,000	\$17,895,000	\$0	\$0	\$0	\$0	\$17,895,000	\$0	\$0	\$17,895,000
Explain & Identify Type of Other Sources:						Project Manager:				
						Project's Approval Date:				

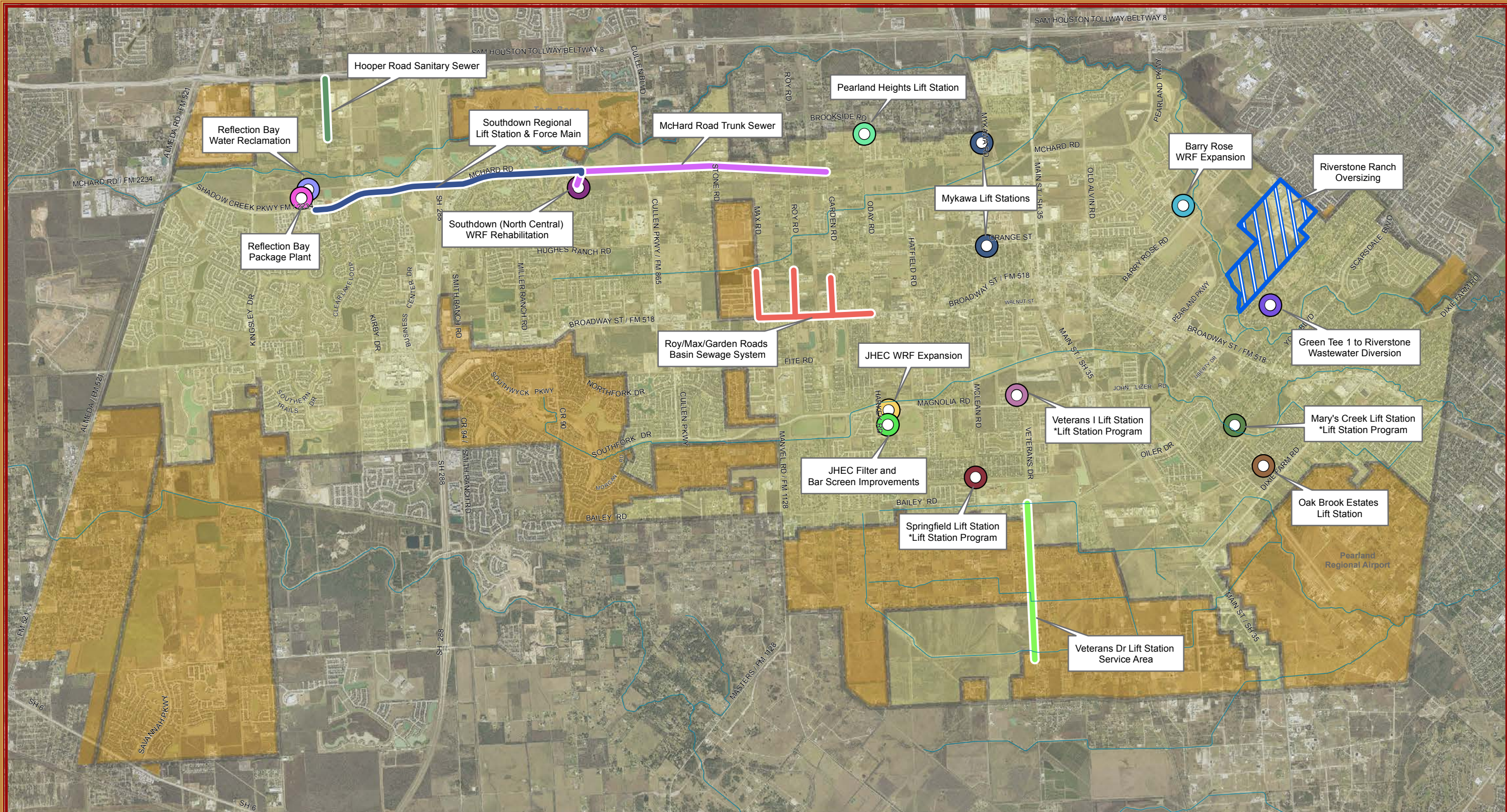
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
CR 48 Water Line - Surface Water Plant to CR 58					WA2004		14			
PROJECT DESCRIPTION					PROJECT IMAGE					
Project consists of approximately 8,250 feet of 24 inch diameter water transmission line from Surface Water Plant discharge south along the west side of County Road 48 to the south side of CR58. Includes purchase of 10 foot wide water line easement, approximately 2.8 acres, along and abutting the road right of way.										
PROJECT JUSTIFICATION										
This project will provide the transmission component of surface water to the southern quadrant of the city and to partnering municipalities to the south.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$155,000	\$155,000					\$155,000			\$155,000
Design/Surveying	\$450,000	\$450,000					\$450,000			\$450,000
Construction	\$3,150,000	\$3,150,000					\$3,150,000			\$3,150,000
Equipment and Furniture										\$0
Contingency	\$475,000	\$475,000					\$475,000			\$475,000
TOTAL COSTS	\$4,230,000	\$4,230,000	\$0	\$0	\$0	\$0	\$4,230,000	\$0	\$0	\$4,230,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,172,500	\$2,172,500					\$2,115,000			\$2,115,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$2,172,500	\$2,172,500					\$2,115,000			\$2,115,000
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$4,345,000	\$4,345,000	\$0	\$0	\$0	\$0	\$4,230,000	\$0	\$0	\$4,230,000
Explain & Identify Type of Other Sources: Waterline size to be determined by future PER of Surface Water Plant.						Project Manager:				
						Project's Approval Date:				

**CITY OF PEARLAND
2017 - 2021 CAPITAL IMPROVEMENT PROGRAM
WASTEWATER**

Project No.	Project Name	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
WW0901	Riverstone Ranch Oversizing	838,609						838,609	
WW1201	Southdown (North Central) WRF Rehabilitation -WWM Project 31A	1,582,776						1,582,776	
WW1401	Oak Brook Estates Lift Station - WWM Project 21	256,190						256,190	
WW1402	Pearland Heights Lift Station	255,024						255,024	
WW1405	Reflection Bay Water Reclamation	35,241,905	20,200,000					55,441,905	20,200,000
WW1406	McHard Rd Trunk Sewer (Garden to Southdown WRF)	2,003,261	2,129,500	1,983,500				6,116,261	4,113,000
WW1407	Hooper Road Sanitary Sewer	426,140						426,140	
WW1502	Barry Rose WRF Expansion	300,000	2,940,000	8,716,000	11,888,000	8,716,000		32,560,000	32,260,000
WW1504	(JHEC) SWEC Filter and Bar Screen Improvements	1,240,000						1,240,000	
WW1506	Lift Station Program	500,400						500,400	
WW1507	Sanitary Sewer Rehabilitation	590,194						590,194	
WW1508	Reflection Bay Package Plant	11,000,000						11,000,000	
WW1601	Mykawa Lift Stations	621,300	5,381,620					6,002,920	5,381,620
WW1603	JHEC WRF Expansion - WWM Project 29A	3,335,000		26,780,000	6,603,300			36,718,300	33,383,300
WW1604	Green Tee 1 to Riverstone Wastewater Diversion (Longwood Service Area Phase 1)	173,580	840,000					1,013,580	840,000
WW1605	Roy/Max/Garden Roads Basin Sewage System - WWM Project 12		50,000	355,000	2,440,000			2,845,000	2,845,000
WW1701	Lift Station Program		275,000	750,000	560,000	560,000	560,000	2,705,000	2,705,000
WW1702	Sanitary Sewer Rehabilitation		500,000	1,000,000	1,000,000	1,500,000	1,500,000	5,500,000	5,500,000
WW1901	Veterans Drive Lift Station Service Area - WWM Project 11				1,237,372	7,662,545		8,899,917	8,899,917
WW2101	Southdown Regional Lift Station & Force Main						5,853,900	5,853,900	5,853,900
	TOTAL	\$ 58,364,379	\$ 32,316,120	\$ 39,584,500	\$ 23,728,672	\$ 18,438,545	\$ 7,913,900	\$ 180,346,116	\$ 121,981,737

SOURCE OF FUNDS	Budgeted Thru 2016	2017	2018	2019	2020	2021	Project Total	2017 - 2021 Allocation
General Revenue - Cash								
Certificates of Obligation								
General Obligation Bonds								
New/Proposed GO Bonds								
PEDC	426,140						426,140	
W/S Revenue Bonds	41,794,259	9,993,275	19,489,750	11,979,664	8,749,272	3,736,950	95,743,170	53,948,911
System Revenues - Cash	1,176,145		1,000,000	1,000,000	1,500,000	1,250,000	5,926,145	4,750,000
Impact Fees - Cash								
Impact Fees - Debt	25,677,500	2,534,750	18,739,750	10,465,650	8,189,273	2,926,950	68,533,873	42,856,373
Other Funding Sources	9,028,430	50,000	355,000	283,358			9,716,788	688,358
<i>Plus Bonds Sold in Prior Years</i>								19,738,095
TOTAL	\$ 78,102,474	\$ 12,578,025	\$ 39,584,500	\$ 23,728,672	\$ 18,438,545	\$ 7,913,900	\$ 180,346,116	\$ 121,981,737

Note: The totals do not tie by year as the City sometimes appropriates funds for GO Bond projects in one year



CITY OF PEARLAND


2017 - 2021

Capital Improvement Projects

Wastewater

- Barry Rose WRF Expansion
- Green Tee 1 to Riverstone Wastewater Diversion
- JHEC Filter and Bar Screen Improvements
- JHEC WRF Expansion
- Veterans I Lift Station
- Mary's Creek Lift Station
- Mykawa Lift Stations
- Oak Brook Estates Lift Station
- Pearlland Heights Lift Station
- Reflection Bay Package Plant
- Reflection Bay Water Reclamation
- Southdown (North Central) WRF Rehabilitation
- Springfield Lift Station
- Hooper Road Sanitary Sewer
- McHard Road Trunk Sewer
- Roy/Max/Garden Roads Basin Sewage System
- Southdown Regional Lift Station & Force Main
- Veterans Drive Lift Station Service Area
- Riverstone Ranch Oversizing
- City Limits
- ETJ

Projects Not Shown
 *Sanitary Sewer Rehabilitation (WW1507)
 *Sanitary Sewer Rehabilitation (WW1702)




1:63,360 or 1 in = 1 miles

0 0.5 1 2
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 2016
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Riverstone Ranch Oversizing					WW0901		Ongoing				
PROJECT DESCRIPTION					PROJECT IMAGE						
Oversizing of the Riverstone Ranch development's sewer infrastructure in order to incorporate into the City's larger system.											
PROJECT JUSTIFICATION											
This project accomplishes a portion of the overall plan developed in the Longwood Wastewater Basin study to eliminate the need for an expansion or long-term operation of the Longwood Wastewater Treatment Plant. This project also eliminates three lift stations in the Green Tee Subdivision.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance	(\$12,300)	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)						
Capital Outlay											
Total Expense	(\$12,300)	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$576,047	\$576,047	\$576,047	\$576,047						\$576,047
Construction		\$228,562	\$228,562	\$228,562	\$228,562						\$228,562
Equipment and Furniture											\$0
Contingency		\$34,000	\$34,000	\$34,000	\$34,000						\$34,000
TOTAL COSTS		\$838,609	\$838,609	\$838,609	\$838,609	\$0	\$0	\$0	\$0	\$0	\$838,609
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds											\$0
System Revenue - Cash		\$296,778	\$296,778	\$296,778	\$296,778						\$296,778
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$541,831	\$541,831	\$541,831	\$541,831						\$541,831
TOTAL SOURCES		\$838,609	\$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 Manager: Engineering				
							Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Southdown (North Central) WRF Rehabilitation -WWM Project 31A					WW1201		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Rehabilitate influent lift station wet well, replace pump discharge piping within the wet well, retrofit and rehab the two existing Parkson rotating fine screens, replace sludge airlift pump boxes in aeration basins with stainless steel, install process Water Sprayer Assembly at existing clarifier, drain clarifier and replace corner sweeps on clarifier mechanism; install stamford baffles on square clarifiers, and repair sand filter.										
PROJECT JUSTIFICATION										
Extend the life of the Southdown WRF and improve operations.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$54,897	\$54,897	\$54,897	\$54,897						\$54,897
Land/Right of Way	\$0	\$0	\$0	\$0						\$0
Design/Surveying	\$137,334	\$137,334	\$137,334	\$137,334						\$137,334
Construction	\$1,301,370	\$1,301,370	\$1,301,370	\$1,301,370						\$1,301,370
Equipment and Furniture	\$0	\$0	\$0	\$0						\$0
Contingency	\$89,175	\$89,175	\$89,175	\$89,175						\$89,175
TOTAL COSTS	\$1,582,776	\$1,582,776	\$1,582,776	\$1,582,776	\$0	\$0	\$0	\$0	\$0	\$1,582,776
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash	\$594,596	\$594,596	\$594,596	\$594,596						\$594,596
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$988,180	\$988,180	\$988,180	\$988,180						\$988,180
TOTAL SOURCES	\$1,582,776	\$1,582,776	\$1,582,776	\$1,582,776	\$0	\$0	\$0	\$0	\$0	\$1,582,776
Explain & Identify Type of Other Sources: Fund 67 Fund Balance, Fund 302 MUD 4 bond proceeds \$677,560.						Project Manager: Andrea Brinkley				
						Project's Approval Date: 6/22/2015				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Oak Brook Estates Lift Station - WWM Project 21					WW1401		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Abandonment of lift station and installation of new 12-inch gravity sewer line from Branch Hill Drive along a proposed back-lot easement to Dixie Farm Road for approximately 850 feet.										
PROJECT JUSTIFICATION										
Wastewater Modeling Needs - To be completed when vacant properties to the southwest of the existing lift station develops.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$22,330	\$22,330	\$22,330	\$22,330						\$22,330
Design/Surveying	\$27,060	\$27,060	\$27,060	\$27,060						\$27,060
Construction	\$173,800	\$173,800	\$173,800	\$173,800						\$173,800
Equipment and Furniture										\$0
Contingency	\$33,000	\$33,000	\$33,000	\$33,000						\$33,000
TOTAL COSTS	\$256,190	\$256,190	\$256,190	\$256,190	\$0	\$0	\$0	\$0	\$0	\$256,190
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$256,190	\$256,190	\$256,190	\$256,190						\$256,190
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$256,190	\$256,190	\$256,190	\$256,190	\$0	\$0	\$0	\$0	\$0	\$256,190
1Explain & Identify Type of Other Sources:						Project Manager:				
						Project's Approval Date: 3/14/2014				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Pearland Heights Lift Station					WW1402		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Reroute the sewer going to Pearland Heights lift station to Spring Meadow lift station instead. Estimation is based on approximately 1,700 lf of 12" sanitary sewer.										
PROJECT JUSTIFICATION										
Eliminate existing lift station. The existing lift station is in very poor condition and will require extensive rehabilitation if it is retained.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$24,840	\$24,840	\$24,840	\$24,840						\$24,840
Construction	\$207,000	\$207,000	\$207,000	\$207,000						\$207,000
Equipment and Furniture										\$0
Contingency	\$23,184	\$23,184	\$23,184	\$23,184						\$23,184
TOTAL COSTS	\$255,024	\$255,024	\$255,024	\$255,024	\$0	\$0	\$0	\$0	\$0	\$255,024
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$255,024	\$255,024	\$255,024	\$255,024						\$255,024
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$255,024	\$255,024	\$255,024	\$255,024	\$0	\$0	\$0	\$0	\$0	\$255,024
Explain & Identify Type of Other Sources:						Project Manager:				
						Project's Approval Date: 3/14/2014				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Reflection Bay Water Reclamation					WW1405		1				
PROJECT DESCRIPTION					PROJECT IMAGE						
Growth rates within the service area have increased both average daily flows and the biological loading contained in the plant's influent requiring construction of a 4 MGD treatment capacity expansion. The project includes the design, permitting and construction upgrades of the lift station, headwork's, addition of four continuous flow 1 MGD basins modifications to the existing basins to create two additional 1 MGD continuous flow basins, new filtration and UV disinfectant systems, expansion of the sludge holding tanks, addition of two belt press dewatering systems, a new non-potable water system and new SCADA control for a total plant capacity of 6 MGD.											
PROJECT JUSTIFICATION											
The existing plant reached 75% of its rated capacity in 2013. TCEQ rules require that operators begin design once a plant reaches 75% capacity for a period of three consecutive months. Plant design, permitting and construction are scheduled to be completed in late 2017. Current flows require a doubling of existing capacity but with the addition of flows from the Southdown plant, planned to occur around 2024, and the inclusion of the flows from development in the Lower Kirby area a full 6 MGD expansion provides better economies of scale at this point in time. In addition, a smaller expansion would require a second expansion to start within two years of completing this expansion.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)											
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance		\$180,258	\$240,344	\$240,344	\$240,344						
Capital Outlay											
Total Expense		\$180,258	\$240,344	\$240,344	\$240,344						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$414,000	\$414,000	\$414,000	\$414,000						\$414,000
Land/Right of Way											\$0
Design/Surveying		\$4,527,905	\$4,527,905	\$4,000,000	\$4,527,905						\$4,527,905
Construction		\$45,500,000	\$45,500,000		\$27,300,000	\$18,200,000					\$45,500,000
Equipment and Furniture											\$0
Contingency		\$5,000,000	\$5,000,000	\$486,000	\$3,000,000	\$2,000,000					\$5,000,000
TOTAL COSTS		\$55,441,905	\$55,441,905	\$4,900,000	\$35,241,905	\$20,200,000	\$0	\$0	\$0	\$0	\$55,441,905
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$26,473,905	\$26,473,905	\$1,032,000	\$26,132,000	\$341,905					\$26,473,905
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt		\$25,100,000	\$25,100,000		\$25,100,000						\$25,100,000
Other Funding Sources ¹ -		\$3,868,000	\$3,868,000	\$3,868,000	\$3,868,000						\$3,868,000
TOTAL SOURCES		\$55,441,905	\$55,441,905	\$4,900,000	\$55,100,000	\$341,905	\$0	\$0	\$0	\$0	\$55,441,905
¹ Explain & Identify Type of Other Sources: Fund 42 and Fund 44 Fund Balance (\$3,868,000). Waste water project 7 in 2013 impact fee update. TWDB Loan in amount of \$61.2M, including \$11M package plant.						Project Manager: Andrea Brinkley Project's Approval Date:					


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
McHard Rd Trunk Sewer (Garden to Southdown WRF)					WW1406		9				
PROJECT DESCRIPTION					PROJECT IMAGE						
Install, along McHard Rd, approximately 4,500 feet of 24" trunk sewer from Cullen to Southdown WRF; 5,800 feet of 18" trunk sewer from Cullen to Max Road; and approximately 4,000 LF of 15" trunk sewer from Max Road to Garden Road. The first 4,500' will be constructed in the Developer Agreement with Lake Park Subdivision.											
PROJECT JUSTIFICATION											
This project will provide gravity sewer and is called for in the wastewater master plan. Extends Southdown service area to the east, picking up areas not currently served by City system.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance											
Capital Outlay											
Total Expense											
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report											\$0
Land/Right of Way											\$0
Design/Surveying		\$886,261	\$886,261	\$886,261	\$886,261						\$886,261
Construction		\$4,730,000	\$4,730,000	\$1,155,000	\$1,117,000	\$2,129,500	\$1,483,500				\$4,730,000
Equipment and Furniture											\$0
Contingency		\$500,000	\$500,000				\$500,000				\$500,000
TOTAL COSTS		\$6,116,261	\$6,116,261	\$2,041,261	\$2,003,261	\$2,129,500	\$1,983,500	\$0	\$0	\$0	\$6,116,261
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$3,021,745	\$3,021,745	\$1,003,245	\$965,245	\$1,064,750	\$991,750				\$3,021,745
System Revenue - Cash		\$34,771	\$34,771	\$34,771	\$34,771						\$34,771
Impact Fees - Cash											\$0
Impact Fees - Debt		\$2,634,000	\$2,634,000	\$577,500	\$577,500	\$1,064,750	\$991,750				\$2,634,000
Other Funding Sources ¹ -		\$425,745	\$425,745	\$425,745	\$425,745						\$425,745
TOTAL SOURCES		\$6,116,261	\$6,116,261	\$2,041,261	\$2,003,261	\$2,129,500	\$1,983,500	\$0	\$0	\$0	\$6,116,261
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Waste water project 8 in 2013 impact fee update. Probable Oversizing Agreement with Lake Park Subdivision for the 24" segment							Project Manager: Jennifer Lee				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hooper Road Sanitary Sewer					WW1407		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Installation of approximately 3,200 LF of 8" sewer from Beltway 8, south along Hooper Road. The project will be constructed with the Hooper Road Extension project.										
PROJECT JUSTIFICATION										
Provide sewer service in the Lower Kirby Area currently not served.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$13,000	\$13,000	\$13,000	\$13,000						\$13,000
Construction	\$399,140	\$399,140	\$399,140	\$399,140						\$399,140
Equipment and Furniture										\$0
Contingency	\$14,000	\$14,000	\$14,000	\$14,000						\$14,000
TOTAL COSTS	\$426,140	\$426,140	\$426,140	\$426,140	\$0	\$0	\$0	\$0	\$0	\$426,140
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC	\$426,140	\$426,140	\$426,140	\$426,140						\$426,140
W/S Revenue Bonds										\$0
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$426,140	\$426,140	\$426,140	\$426,140	\$0	\$0	\$0	\$0	\$0	\$426,140
Explain & Identify Type of Other Sources:						Project Manager: TBD				
						Project's Approval Date: 3/26/2014				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Barry Rose WRF Expansion					WW1502		2			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>In 2016 a Preliminary Engineering Report was conducted to determine the specific design parameters required for the plant expansion, including volume and biological loading. In 2017 capacity expansion design will begin. In 2018 the package plant will be relocated to Barry Rose facility to ensure plant effluent remains within permit during the construction schedule. Disassembly and recommissioning is covered in the Reflection Bay project. In 2020 construction of approximately 2 MGD of treatment capacity will begin which will be a separate plant to be run in parallel with the existing plant, for a total capacity of 5 MGD. Run approximately 7,000' of fiber from FM 518 to Plant.</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 46% of the capacity. Current projects are underway to remove flows from Longwood facility and shift to Barry Rose increasing loads at this plant.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance				\$42,060	\$168,241					
Capital Outlay										
Total Expense				\$42,060	\$168,241					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$300,000	\$300,000	\$300,000	\$300,000						\$300,000
Land/Right of Way										\$0
Design/Surveying	\$2,940,000	\$2,940,000			\$2,940,000					\$2,940,000
Construction	\$25,720,000	\$25,720,000				\$7,716,000	\$10,288,000	\$7,716,000		\$25,720,000
Equipment and Furniture										\$0
Contingency	\$3,600,000	\$3,600,000				\$1,000,000	\$1,600,000	\$1,000,000		\$3,600,000
TOTAL COSTS	\$32,560,000	\$32,560,000	\$300,000	\$300,000	\$2,940,000	\$8,716,000	\$11,888,000	\$8,716,000	\$0	\$32,560,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$16,130,000	\$16,130,000			\$1,470,000	\$4,358,000	\$5,944,000	\$4,358,000		\$16,130,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$16,130,000	\$16,130,000			\$1,470,000	\$4,358,000	\$5,944,000	\$4,358,000		\$16,130,000
Other Funding Sources ¹ -	\$300,000	\$300,000	\$300,000	\$300,000						\$300,000
TOTAL SOURCES	\$32,560,000	\$32,560,000	\$300,000	\$300,000	\$2,940,000	\$8,716,000	\$11,888,000	\$8,716,000	\$0	\$32,560,000
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance \$300,000. Waste water project 2 in 2013 impact fee update.						Project Manager: Skipper Jones Project's Approval Date:				


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
(JHEC) SWEC Filter and Bar Screen Improvements					WW1504		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>This project will provide for another filtration mechanism at the John Hargrove Environmental Center JHEC / SWEC waste water treatment plant. Presently the plant use three filters to manage its daily loading. The additional filter system will enable the operators to take a portion of the plant off line when needed to perform maintenance as needed. The current configuration of three filters does not accommodate for this and therefore prohibits frequent and needed maintenance of the system. The project will also address deficiencies with the bar screen mechanism which is not and has not been operating properly. It is in need of replacement. A new compactor / washer will also be included in this project.</p>										
JUSTIFICATION										
<p>As currently configured, the JHEC / SWEC waste water treatment plant is not flexible enough to accommodate frequent and needed maintenance. This project will allow for that and enable the operators to maintain the plant in a more effective manner. The new bar screen will enable the plan to remove more solids at the head works and therefore provide better effluent.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$40,000	\$40,000	\$40,000	\$40,000						\$40,000
Construction	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000						\$1,200,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$1,240,000	\$1,240,000	\$1,240,000	\$1,240,000	\$0	\$0	\$0	\$0	\$0	\$1,240,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										
PEDC										\$0
W/S Revenue Bonds	\$1,240,000	\$1,240,000	\$1,240,000	\$1,240,000						\$1,240,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$1,240,000	\$1,240,000	\$1,240,000	\$1,240,000	\$0	\$0	\$0	\$0	\$0	\$1,240,000
¹Explain & Identify Type of Other Sources:						Project Manager: Public Works				
						Project's Approval Date: 3/26/2014				

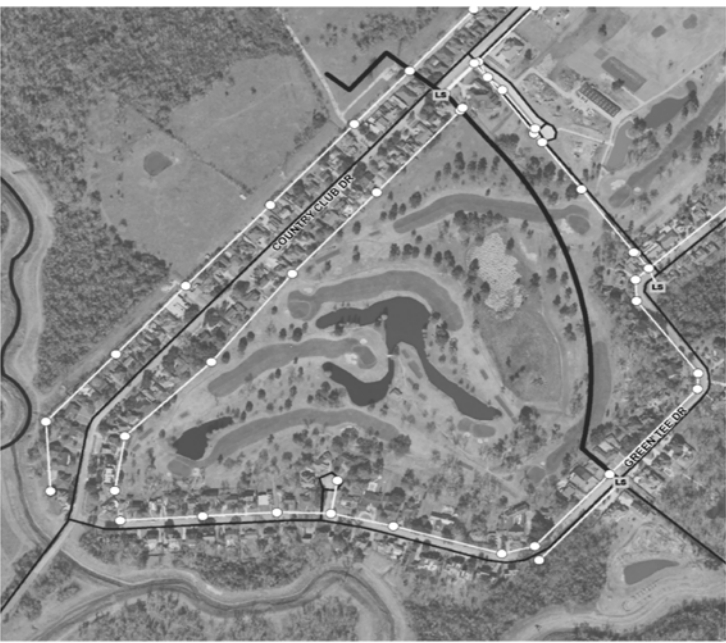
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Lift Station Program					WW1506		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
FY16 - Convert the Springfield lift station into a manhole and gravity flow all wastewater 1,300 feet south to the Park Village Lift station on the east side of McLean. FY17 - Convert the Pearland Heights Lift Station into a manhole and gravity flow the wastewater to the lift station located at 1630 Rice Road. FY18 - Demolish and reconstruct the 30 year old Mary's Creek Lift Station in the area adjacent to the current location.										
PROJECT JUSTIFICATION										
The pumps at these facilities are currently above ground centrifugal pumps that have been in service for 30+ years. The rehab of these facilities would be costly and consist of submersible pump replacements with guide rail systems, raising wet well top to a higher elevation, relining wet well and upgrading the control panels. It is less costly to convert these facilities to gravity flow manholes.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
Capital Outlay										
Total Expense	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$59,600	\$59,600	\$59,600	\$59,600						\$59,600
Construction	\$440,800	\$440,800	\$440,800	\$440,800						\$440,800
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$500,400	\$500,400	\$500,400	\$500,400	\$0	\$0	\$0	\$0	\$0	\$500,400
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$440,800	\$440,800	\$440,800	\$440,800						\$440,800
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$59,600	\$59,600	\$59,600	\$59,600						\$59,600
TOTAL SOURCES	\$500,400	\$500,400	\$500,400	\$500,400	\$0	\$0	\$0	\$0	\$0	\$500,400
¹ Explain & Identify Type of Other Sources: Fund 301 fund balance \$59,600						Project Manager: Public Works				
						Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Sanitary Sewer Rehabilitation					WW1507		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
Inflow and infiltration program to replace failing waste water lines over thirty years of age in the following areas over a period of years - Corrigan Subdivision, Old Towne, Summerset/Shrine, Country Place, Green Tee, Westminster, Brookside Acres, Shadycrest, Creek View, Parkview, Wood Creek, Heritage Green, Clear Creek Estates, and Twin Creek Woods.										
PROJECT JUSTIFICATION										
Through analysis of Public Works work order history and institutional knowledge, the waste water lines in these older areas are responsible for the majority of line breaks and service interruptions in Pearland. This project will address the areas with the most frequent failures and improve system reliability for the residents. You will 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	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$117,215	\$117,215	\$117,215	\$117,215						\$117,215
Construction	\$472,979	\$472,979	\$472,979	\$472,979						\$472,979
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$590,194	\$590,194	\$590,194	\$590,194	\$0	\$0	\$0	\$0	\$0	\$590,194
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds										\$0
System Revenue - Cash	\$250,000	\$250,000	\$250,000	\$250,000						\$250,000
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$340,194	\$340,194	\$340,194	\$340,194						\$340,194
TOTAL SOURCES	\$590,194	\$590,194	\$590,194	\$590,194	\$0	\$0	\$0	\$0	\$0	\$590,194
Explain & Identify Type of Other Sources: Interest from TWDB funds.						Project Manager: Public Works				
						Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Reflection Bay Package Plant					WW1508		Ongoing			
PROJECT DESCRIPTION					PROJECT IMAGE					
This design/ build project consists of the design and construction of a temporary 1 million gallon per day (MGD) package treatment plant to be installed and connected into the influent treatment system at the existing Reflection Bay Water Reclamation Facility. The package plant consists of a flow splitter box, 16 aeration basins, four clarifiers, RAS/WAS basin (return activated and wasted activated sludge basins) & pumps, and filter modules and will provide supplemental treatment capacity through the design and construction phases of the planned 4 MGD expansion and the reconstruction of the existing 2 MGD facility.										
PROJECT JUSTIFICATION										
Low water usage regulations coupled with low inflow and infiltration characteristics and high growth rates within the current Reflection Bay collection basin have taxed the treatment plant's ability to treat current and future wastewater inflows. The plant is currently operating above design flows. TCEQ regulations require the operator to begin design of expansions when flows reach 75% of plant design capacity and begin construction at 90%. The plant will require temporary additional treatment capacity during design of the planned expansion and before construction of that expansion is complete. Once the 4 mgd expansion is complete the package plant can be moved to another plant experiencing rapid growth or sold back to manufacturers.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying										\$0
Construction	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000						\$11,000,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$0	\$0	\$0	\$0	\$0	\$11,000,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000						\$11,000,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$0	\$0	\$0	\$0	\$0	\$11,000,000
¹Explain & Identify Type of Other Sources: TWDB Loan \$11M						Project Manager: Public Works				
						Project's Approval Date: 6/22/2015				


PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Mykawa Lift Stations					WW1601		4				
PROJECT DESCRIPTION					PROJECT IMAGE						
<p>Orange Mykawa Lift Station Retirement: Abandonment of lift station and installation of new 12-inch gravity sewer line along Mykawa from Orange to Walnut for approximately 3,386 LF. To be completed in coordination with Mykawa Road construction.</p> <p>Relocation Mykawa Scott Lift Station: Replacement of the existing lift station, a new 12" force main, approximately 2,500 LF, from Mykawa to SH35 and a new 8 - 12" gravity line, approximately 3,430 LF along Mykawa from Scott Street to Shank. Project will be coordinated with Mykawa Rd. construction.</p> <p>Potentially to include abandonment of Shank Lift Station.</p>											
PROJECT JUSTIFICATION											
<p>Retirement of an old lift station that pumps wastewater three times before sending to the plant. In addition, this lift station will require a major rehabilitation within the next five years. The project will also eliminate an inverted siphon gravity line and remove the existing lines from being in conflict with the drainage for the Mykawa Road project.</p>											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance		(\$4,100)	(\$8,200)	(\$8,200)	(\$8,200)						
Capital Outlay											
Total Expense		(\$4,100)	(\$8,200)	(\$8,200)	(\$8,200)						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$165,000	\$165,000	\$30,000	\$165,000						\$165,000
Land/Right of Way		\$300,000	\$300,000	\$60,000	\$60,000	\$240,000					\$300,000
Design/Surveying		\$396,300	\$396,300	\$76,300	\$396,300						\$396,300
Construction		\$4,318,600	\$4,318,600			\$4,318,600					\$4,318,600
Equipment and Furniture											\$0
Contingency		\$823,020	\$823,020			\$823,020					\$823,020
TOTAL COSTS		\$6,002,920	\$6,002,920	\$166,300	\$621,300	\$5,381,620	\$0	\$0	\$0	\$0	\$6,002,920
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$5,501,620	\$5,501,620			\$5,501,620					\$5,501,620
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt											\$0
Other Funding Sources ¹ -		\$501,300	\$501,300	\$166,300	\$501,300						\$501,300
TOTAL SOURCES		\$6,002,920	\$6,002,920	\$166,300	\$501,300	\$5,501,620	\$0	\$0	\$0	\$0	\$6,002,920
¹ Explain & Identify Type of Other Sources: Fund 67 Fund Balance \$166,300 and Fund 42 Fund Balance \$335,000						Project Manager: Susan Johnson					
						Project's Approval Date:					

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
JHEC WRF Expansion - WWM Project 29A					WW1603		6				
PROJECT DESCRIPTION					PROJECT IMAGE						
A 2 MGD expansion to the existing 4 MGD water reclamation facility that will increase the treatment capacity to 6 MGD facility at the John Hargrove Environmental Center.											
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. Current flows are at 55% to 60% of capacity.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance			\$80,115	\$240,344	\$240,344						
Capital Outlay											
Total Expense			\$80,115	\$240,344	\$240,344						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$475,000	\$475,000	\$475,000	\$475,000						\$475,000
Land/Right of Way											\$0
Design/Surveying		\$2,860,000	\$2,860,000	\$2,785,000	\$2,860,000						\$2,860,000
Construction		\$29,558,300	\$29,558,300				\$26,780,000	\$2,778,300			\$29,558,300
Equipment and Furniture											\$0
Contingency		\$3,825,000	\$3,825,000					\$3,825,000			\$3,825,000
TOTAL COSTS		\$36,718,300	\$36,718,300	\$3,260,000	\$3,335,000	\$0	\$26,780,000	\$6,603,300	\$0	\$0	\$36,718,300
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$18,196,650	\$18,196,650	\$1,430,000	\$1,505,000		\$13,390,000	\$3,301,650			\$18,196,650
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt		\$16,691,650	\$16,691,650				\$13,390,000	\$3,301,650			\$16,691,650
Other Funding Sources ¹ -		\$1,830,000	\$1,830,000	\$1,830,000	\$1,830,000						\$1,830,000
TOTAL SOURCES		\$36,718,300	\$36,718,300	\$3,260,000	\$3,335,000	\$0	\$26,780,000	\$6,603,300	\$0	\$0	\$36,718,300
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance \$1,830,000. Waste water project 10 in 2013 impact fee update.							Project Manager: Cara Davis				
							Project's Approval Date: 6/22/2015				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Green Tee 1 to Riverstone Wastewater Diversion (Longwood Service Area Phase 1)					WW1604		5			
PROJECT DESCRIPTION					PROJECT IMAGE					
Work includes running the remaining 780 equivalent connections from Green Tee basin and redirecting these flows through Riverstone Ranch to Barry Rose plant by running approximately 2600' of 8-10" line from lift station on Golf Crest & Country Club to receiving manhole in Riverstone Ranch and diverting flows from Lift Station #34 via force main across the golf course on Country Club Drive into the Riverstone collection system. This project works in conjunction with the Riverstone Ranch Oversizing agreement.										
PROJECT JUSTIFICATION										
This project will effectively remove 780 equivalent wastewater connections from the Longwood treatment plant and transfer them to the Barry Rose plant.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way	\$30,000	\$30,000	\$85,000	\$30,000						\$30,000
Design/Surveying	\$143,580	\$143,580	\$97,000	\$143,580						\$143,580
Construction	\$760,000	\$760,000			\$760,000					\$760,000
Equipment and Furniture										\$0
Contingency	\$80,000	\$80,000			\$80,000					\$80,000
TOTAL COSTS	\$1,013,580	\$1,013,580	\$182,000	\$173,580	\$840,000	\$0	\$0	\$0	\$0	\$1,013,580
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$840,000	\$840,000			\$840,000					\$840,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -	\$173,580	\$173,580	\$182,000	\$173,580						\$173,580
TOTAL SOURCES	\$1,013,580	\$1,013,580	\$182,000	\$173,580	\$840,000	\$0	\$0	\$0	\$0	\$1,013,580
Explain & Identify Type of Other Sources: Fund 67 fund balance \$173,580.						Project Manager: Jennifer Lee				
						Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER				
Roy/Max/Garden Roads Basin Sewage System - WWM Project 12					WW1605		11				
PROJECT DESCRIPTION					PROJECT IMAGE						
This project proposes approximately 4,940 LF of 18" trunk sewer along Broadway St. from Food Town's Lift Station to O'Day Rd, approximately 1,300 LF of 15" trunk sewer along Garden Rd from Broadway to the lift station and 1,200 LF of 12" sewer line along Roy and Max Rd from Broadway to Hickory Slough.											
PROJECT JUSTIFICATION											
This project will eliminate modeled overflows and two existing lift stations (Food Town's, Garden Rd.) and serve areas that are currently not serviced as far north as Hickory Slough.											
INCREMENTAL OPERATING AND MAINTENANCE COSTS											
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2017	2018	2019	2020	2021						
Total Revenue											
Personnel Services											
Operation & Maintenance				(\$10,933)	(\$16,400)						
Capital Outlay											
Total Expense				(\$10,933)	(\$16,400)						
FTE Staff Total											
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION											
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report		\$50,000	\$50,000	\$50,000		\$50,000					\$50,000
Land/Right of Way		\$95,000	\$95,000				\$95,000				\$95,000
Design/Surveying		\$260,000	\$260,000				\$260,000				\$260,000
Construction		\$1,900,000	\$1,900,000					\$1,900,000			\$1,900,000
Equipment and Furniture											\$0
Contingency		\$540,000	\$540,000					\$540,000			\$540,000
TOTAL COSTS		\$2,845,000	\$2,845,000	\$50,000	\$0	\$50,000	\$355,000	\$2,440,000	\$0	\$0	\$2,845,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
			CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash											\$0
Certificates of Obligation											\$0
General Obligation Bonds											\$0
New/Proposed GO Bonds											\$0
PEDC											\$0
W/S Revenue Bonds		\$1,220,000	\$1,220,000					\$1,220,000			\$1,220,000
System Revenue - Cash											\$0
Impact Fees - Cash											\$0
Impact Fees - Debt		\$1,220,000	\$1,220,000					\$1,220,000			\$1,220,000
Other Funding Sources ¹ -		\$405,000	\$405,000	\$50,000		\$50,000	\$355,000				\$405,000
TOTAL SOURCES		\$2,845,000	\$2,845,000	\$50,000	\$0	\$50,000	\$355,000	\$2,440,000	\$0	\$0	\$2,845,000
¹ Explain & Identify Type of Other Sources: Fund 42 fund balance \$405,000							Project Manager: Jennifer Lee				
							Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Lift Station Program					WW1701		7			
PROJECT DESCRIPTION					PROJECT IMAGE					
Convert 30 year Veterans I lift station to a manhole and re-route sanitary sewer to existing gravity sewer. Design of the Mary's Creek lift station rehabilitation with construction to follow in FY18. The lift station which currently has below ground centrifugal pumps and control, will be relocated as a conventional submersible pump lift station.										
PROJECT JUSTIFICATION										
Both lift station are 30 years old. The Mary's Creek lift station pump and controls are below ground with a risk of flooding. Elimination of the Veterans I lift station reduces operation and maintenance cost.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance		(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
Capital Outlay										
Total Expense		(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$255,000	\$255,000			\$75,000		\$60,000	\$60,000	\$60,000	\$255,000
Construction	\$2,450,000	\$2,450,000			\$200,000	\$750,000	\$500,000	\$500,000	\$500,000	\$2,450,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$2,705,000	\$2,705,000	\$0	\$0	\$275,000	\$750,000	\$560,000	\$560,000	\$560,000	\$2,705,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,705,000	\$2,705,000			\$275,000	\$750,000	\$560,000	\$560,000	\$560,000	\$2,705,000
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$2,705,000	\$2,705,000	\$0	\$0	\$275,000	\$750,000	\$560,000	\$560,000	\$560,000	\$2,705,000
¹ Explain & Identify Type of Other Sources:						Project Manager: Public Works Project's Approval Date:				

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Sanitary Sewer Rehabilitation					WW1702		3			
PROJECT DESCRIPTION					PROJECT IMAGE					
Inflow and infiltration program to replace failing waste water lines over thirty years of age in the following areas over a period of years - Corrigan Subdivision, Old Townsite, Sommersetshire, Country Place, Green Tee, Westminster, Brookside Acres, Shadycrest, Creek View, Parkview, Wood Creek, Heritage Green, Clear Creek Estates, and Twin Creek Woods.										
PROJECT JUSTIFICATION										
Through analysis of Public Works work order history and institutional knowledge, the waste water lines in these older areas are responsible for the majority of line breaks and service interruptions in Pearland. This project will address the areas with the most frequent failures and improve system reliability for the residents. Note that the list of project locations is the same as that listed for water line rehabilitation. It is recommended that both projects are done simultaneously to limit construction impacts to the residents.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$520,000	\$520,000				\$110,000	\$110,000	\$150,000	\$150,000	\$520,000
Construction	\$4,980,000	\$4,980,000			\$500,000	\$890,000	\$890,000	\$1,350,000	\$1,350,000	\$4,980,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$5,500,000	\$5,500,000	\$0	\$0	\$500,000	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,500,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$750,000	\$750,000			\$500,000				\$250,000	\$750,000
System Revenue - Cash	\$4,750,000	\$4,750,000				\$1,000,000	\$1,000,000	\$1,500,000	\$1,250,000	\$4,750,000
Impact Fees - Cash										\$0
Impact Fees - Debt										\$0
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,500,000	\$5,500,000	\$0	\$0	\$500,000	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,500,000
Explain & Identify Type of Other Sources: Interest from TWDB funds. Project will carryover to 2025.							Project Manager: Public Works			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Veterans Drive Lift Station Service Area - WWM Project 11					WW1901		10			
PROJECT DESCRIPTION					PROJECT IMAGE					
This project extends the trunk sewer south along Veterans Dr. as far as Dare Rd., providing gravity sewer service as follows: approximately 1,600 LF of 12" line, 16,680 feet of 18" line, and 4,920 LF of 24" line.										
PROJECT JUSTIFICATION										
This will allow gravity sewer for development south of Bailey Rd. and eliminate two lift stations (Park Village and Springfield). The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance				(\$8,200)	(\$16,400)					
Capital Outlay										
Total Expense				(\$8,200)	(\$16,400)					
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
Elimination of two Lift Stations in 2017 at an estimated amount of \$25,000.										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$383,250	\$383,250					\$383,250			\$383,250
Land/Right of Way	\$77,122	\$77,122					\$77,122			\$77,122
Design/Surveying	\$777,000	\$777,000					\$777,000			\$777,000
Construction	\$6,032,000	\$6,032,000						\$6,032,000		\$6,032,000
Equipment and Furniture										\$0
Contingency	\$1,630,545	\$1,630,545						\$1,630,545		\$1,630,545
TOTAL COSTS	\$8,899,917	\$8,899,917	\$0	\$0	\$0	\$0	\$1,237,372	\$7,662,545	\$0	\$8,899,917
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$4,785,286	\$4,785,286					\$954,014	\$3,831,272		\$4,785,286
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$3,831,273	\$3,831,273						\$3,831,273		\$3,831,273
Other Funding Sources ¹ -	\$283,358	\$283,358					\$283,358			\$283,358
TOTAL SOURCES	\$8,899,917	\$8,899,917	\$0	\$0	\$0	\$0	\$1,237,372	\$7,662,545	\$0	\$8,899,917
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Waste water project 6 in 2013 impact fee update.							Project Manager: Jennifer Lee			
							Project's Approval Date:			

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Southdown Regional Lift Station & Force Main					WW2101		8			
PROJECT DESCRIPTION					PROJECT IMAGE					
Construct regional lift station to serve the entire Southdown service area. Wetwell and pump capacity should have ultimate capacity of 2440 GPM or 3.2 MGD. In the initial phase of this project The lift station will pump the McHard gravity line to the Southdown Plant until this plant reaches its capacity. At 90% of the Southdown capacity the construction of the force main will begin and pumps will be resized to pump to the Reflection Bay Plant. Construction includes approximately 12,300' of 16" force main from the Southdown Regional Lift Station to Reflection Bay Water Reclamation facility. Route will take line beneath SH 288 and remain within McHard and Shadow Creek Parkway ROW to tie into gravity trunk on Reflection Bay.										
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 eliminating the Southdown plant and an estimated \$125,500 per year in operations costs. The project also eliminates the need for a future expansion of the Southdown Plant.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
Southdown plant operations costs estimated at \$125,500 per year.										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report										\$0
Land/Right of Way										\$0
Design/Surveying	\$603,800	\$603,800							\$603,800	\$603,800
Construction	\$4,273,900	\$4,273,900							\$4,273,900	\$4,273,900
Equipment and Furniture										\$0
Contingency	\$976,200	\$976,200							\$976,200	\$976,200
TOTAL COSTS	\$5,853,900	\$5,853,900	\$0	\$0	\$0	\$0	\$0	\$0	\$5,853,900	\$5,853,900
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	ADOPTED BUDGET	PROJECTED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$2,926,950	\$2,926,950							\$2,926,950	\$2,926,950
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$2,926,950	\$2,926,950							\$2,926,950	\$2,926,950
Other Funding Sources ¹ -										\$0
TOTAL SOURCES	\$5,853,900	\$5,853,900	\$0	\$0	\$0	\$0	\$0	\$0	\$5,853,900	\$5,853,900
Explain & Identify Type of Other Sources:						Project Manager:				
						Project's Approval Date:				

NEW/PROPOSED BOND PROGRAM PROJECTS

Project Name	Project Type	Overall Priority	2019	2020	2021	2022	2023	Total	Running Total
Proposed 2018 Bond Projects									
Fire Station #8 Construction	Facilities	1	6,395,000					6,395,000	6,395,000
Park Equipment Replacement Program	Parks	2	500,000	500,000	500,000	500,000	500,000	2,500,000	8,895,000
Street Reconstruction Program	Roads	3	2,175,000	2,175,000	2,175,000	2,175,000	2,175,000	10,875,000	19,770,000
JHEC Nature Trails - Phase II	Parks	4	1,096,000					1,096,000	20,866,000
Independence Park Phase II	Parks	5	900,000	1,300,000	5,100,000			7,300,000	28,166,000
Pearland Pkwy Super Street	Roads	6	2,300,000					2,300,000	30,466,000
Orange Street Service Center Phase II	Facilities	7		165,095	2,123,541			2,288,636	63,530,555
Shadow Creek Ranch Park Phase II	Parks	8		862,000	4,132,000	4,132,000		9,126,000	39,592,000
SCR Library	Facilities	9		169,600	1,386,639	10,064,027	5,463,873	17,084,139	56,676,139
Kingsley - Clear Creek to BW 8 (Assumes 80% TIP Funds)	Roads	10			295,080		2,270,700	2,565,780	59,241,919
Pearland Pkwy Traffic Circle Improvements	Roads	11	2,000,000					2,000,000	61,241,919
Fire Training Field Phase I	Facilities	12	500,000					500,000	64,030,555
Broadway Expansion - SH 288 to Cullen (City Share)	Roads	13		5,000,000				5,000,000	69,030,555
Woodcreek Park Improvements	Parks	14	650,000					650,000	69,680,555
Total New/Proposed Bond Projects			16,516,000	10,171,695	15,712,260	16,871,027	10,409,573	69,680,555	
Additional Identified Projects									
Trail Connectivity Phase IV	Parks	15			577,433			577,433	70,257,988
Hickory Slough Detention Pond Phase II	Drainage	16		330,000	3,220,000			3,550,000	73,807,988
Hickory Slough Sportsplex Phase II	Parks	17		439,000	2,914,500	809,500		4,163,000	77,970,988
Hughes Ranch Rd - Cullen to Stone	Roads	18		1,160,000	4,065,000	2,455,000		7,680,000	85,650,988
Fire Training Field Phase II	Facilities	19		315,000	1,552,350	1,184,901		3,052,251	88,703,239
Park Land Acquisition	Parks	20			1,000,000			1,000,000	89,703,239
Hillhouse PW Annex Phase II	Facilities	21		200,000	1,806,000			2,006,000	91,709,239
FM2234 Landscape Improvements - SH 288 to 15,000' West	Roads	22		1,350,000				1,350,000	93,059,239
Grand Blvd Reconstruction - Broadway to Walnut	Roads	23		890,800	4,354,200			5,245,000	98,304,239
Old Alvin - McHard to Knapp	Roads	24		252,000	1,950,000			2,202,000	100,506,239
Fire Station #7	Facilities	25			961,000	6,056,000		7,017,000	107,523,239
Animal Services Shelter	Facilities	26			1,132,000	4,004,000		5,136,000	112,659,239
Fire Station #4 Expansion	Facilities	27			230,000	1,820,000		2,050,000	114,709,239
Total Additional Identified Projects			-	4,936,800	23,762,483	16,329,401	-	45,028,684	
TOTAL ALL PROJECTS			16,516,000	15,108,495	39,474,743	33,200,428	10,409,573	114,709,239	

Note - Does not include results of Parks Master Plan, Drainage Master Plan, Facilities Assessment Study or potential TIP opportunities.
Items in 2022 to 2023 are outside the current 5-year CIP.

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, TEXAS

2017
2021

Capital Improvement
PROGAM
pearlandtx.gov



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