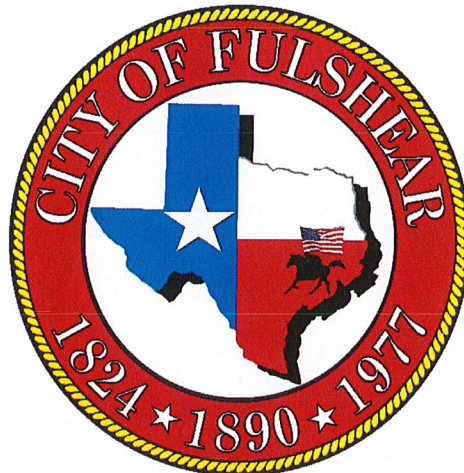


CITY OF FULSHEAR

FY 2022-2026

CAPITAL IMPROVEMENT PLAN



RECEIVED
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MAY 28 2021
CITY SECRETARY OFFICE

**DRAFT DOCUMENT &
PRELIMINARY DETAIL**
May 31, 2021





5 Year Capital Improvements Plan - FY 22-FY 26

City of Fulshear, Texas

5/31/2021 - DRAFT

Frequently Asked Questions...

- **What is a Capital Improvement Program?**

A Capital Improvement Program (CIP) is a road map that provides direction and guidance for the city. This road map helps City staff & City Council carefully plan and manage the purchase, construction, replacement, addition, or major repair of public facilities and equipment. This is typically done over a rolling 5-year period.

- **What are the benefits of using a CIP?**

Knowing projects and funding sources in advance helps with the planning and scheduling of funding along with the efforts needed to plan, design, and construct the projects. The CIP also helps distribute costs more equitably, promotes efficiency through organized planning efforts, and helps align projects with the City's overarching goals. The first year of the CIP is typically utilized as a basis for the Capital Budget portion of the City's overall Annual Budget process.

- **What is the difference between a CIP project and, for example, purchasing office supplies?**

CIP projects are long-term in nature and are usually financed over a period of time. Typically, a CIP project has a dollar amount over \$50,000 and results in infrastructure planning or construction that has a long-term impact. Office supplies, on the other hand, would not be considered a CIP project because they are not very expensive, are used quickly, and can be absorbed into the operating budget.

- **Is the City committed to completing all the projects in the CIP as they are currently planned?**

The CIP is the City's best estimate for what and when projects will be completed and their respective costs—but it is important to remember that it is just a plan. The CIP can adjust to internal and external factors to allow City leaders to make changes as conditions demand. It is not uncommon for a project timetable and/or budget to be modified even after it has been added to the CIP. The FY 21-25 Draft CIP does not assume any changes in policy regarding the previously adopted FY20-24 CIP. Specific policy and allocation decisions will be made during the annual budget process.

- **What are examples of CIP projects?**

Many of the things you see each day in around town are typically part of a CIP. The CIP includes street construction projects, water treatment plants, wastewater facilities, park improvements, and other public building & infrastructure construction projects.

- **How are projects in the Capital Improvement Program paid for?**

Generally, there are several sources of funding for capital improvements – bond proceeds, existing fund balance, operating funds, grants, and various other taxes & fees that can be dedicated to these projects. If a project's original budget is no longer adequate, a City has several options when a project costs more than anticipated. Those options can include value engineering (scope reduction), diverting funds from delayed or canceled projects, using budgeted authority from projects completed under budget, using savings in operational budgets, along with the City Council-approved use of City reserve funds.



5 Year Capital Improvements Plan - FY 22 - FY 26

City of Fulshear, Texas

5/31/2021 - DRAFT

Information about the CIP Planning Process & Components

Common Motivators for CIP Decision-Making
<ul style="list-style-type: none"> • Urgent Needs <ul style="list-style-type: none"> - Pending infrastructure failure or legal mandates • Capital Renewal/Asset Management <ul style="list-style-type: none"> - Rehab and/or replacement of infrastructure • Service Demands <ul style="list-style-type: none"> - Address growing population/expanded land use • Planning Priorities <ul style="list-style-type: none"> - Implementation of Planning Goals & Objectives • Policy Priorities <ul style="list-style-type: none"> - Implementation of Council Policy Directives

Government Finance Officers Association (GFOA) Best Practices for Capital Planning & Budgeting
<ul style="list-style-type: none"> • Multi-Year Planning • Capital Planning Policies • Master Plans Linked/Considered • Environmentally Responsible Approach • Communicate CIP Strategies • Consider Impacts to the Operating Budget • Include Technology Needs • Structured Monitoring and Reporting • Utilize Long-Term Financial Planning

Basic Considerations for a Typical CIP Development & Implementation Process
<ul style="list-style-type: none"> • Needs usually outweigh available funding • Implementation of programs can overlap • Balance capital renewal, new capacity, & other priorities • It is a multi-year effort w/ long-term funding (e.g. debt) • The City's Operating & Capital Budgets are intertwined • Consider Impacts to the Operating Budget • Partnerships leverage resources for better outcomes • Structured Monitoring and Reporting • Engaging stakeholders is key to success

City of Fulshear CIP Project Categories
<ul style="list-style-type: none"> • Drainage <ul style="list-style-type: none"> - Improvements Related to the Drainage System • Streets & Traffic <ul style="list-style-type: none"> - Projects for streets, sidewalks, & traffic assets • Water <ul style="list-style-type: none"> - Improvements to the Water System • Wastewater <ul style="list-style-type: none"> - Improvements to the Wastewater System • Facilities, Parks, & Technology <ul style="list-style-type: none"> - Identified improvements for these City assets

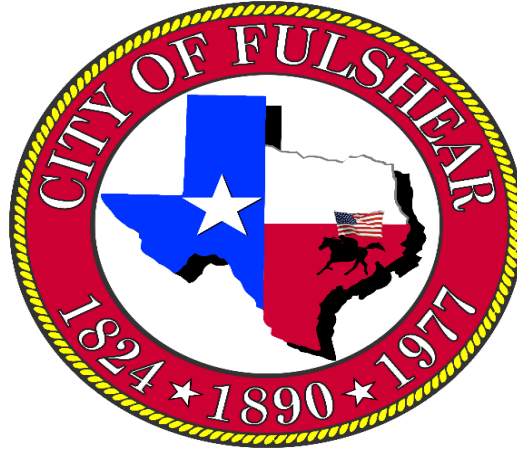
The Capital Improvement Planning Cycle
<ul style="list-style-type: none"> • Identify Capital Needs <ul style="list-style-type: none"> - Policy/Planning Priorities, Public Input, Other Needs • Draft Five-year CIP Plan <ul style="list-style-type: none"> - Structure & Costs - land/row acq, design, construction • Annual Capital Budget Adoption <ul style="list-style-type: none"> - Explore funding options, impact to Operating Budget • CIP Project and Program Implementation <ul style="list-style-type: none"> - Oversee design, bid, and construction processes • Review Lessons Learned and Any New Information <ul style="list-style-type: none"> - Consider improvements to planning & implementation

City of Fulshear CIP Funding Categories
<ul style="list-style-type: none"> • Fund Balance <ul style="list-style-type: none"> - Use of remaining balances after expenses & encumbrances • Operating Funds <ul style="list-style-type: none"> - Dedicated operating budget funds for CIP activities • Proceeds by Program Bonds, Impact/Cap Recovery Fees <ul style="list-style-type: none"> - Funding: Approved Bond Issuance(s); Dev Fees/ESFCs • Undetermined <ul style="list-style-type: none"> - Funding has not currently been identified • Other Funding Options (may be used for Undetermined) <ul style="list-style-type: none"> - Grants, Developer Participation, EDC, & Other Financing

Note: ROW Acq = Right of Way Acquisition

Note: ESFC = Equivalent Single Family Connection

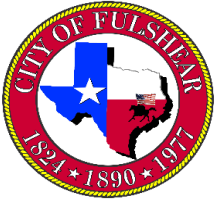
CITY OF FULSHEAR



FY 2022 - 2026 CAPITAL IMPROVEMENT PLAN DEVELOPMENT

PRELIMINARY DETAIL SHEETS

Draft Update: 5/31/2021



TOTAL PROJECT SUMMARY

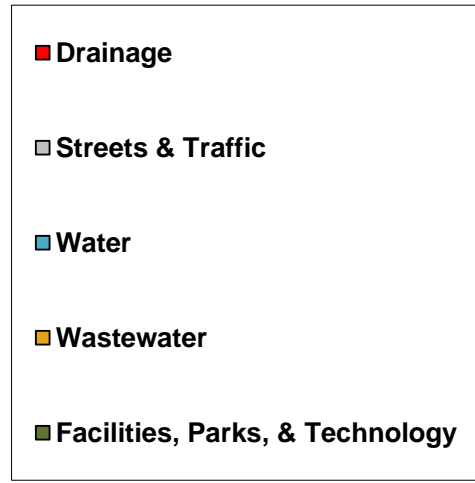
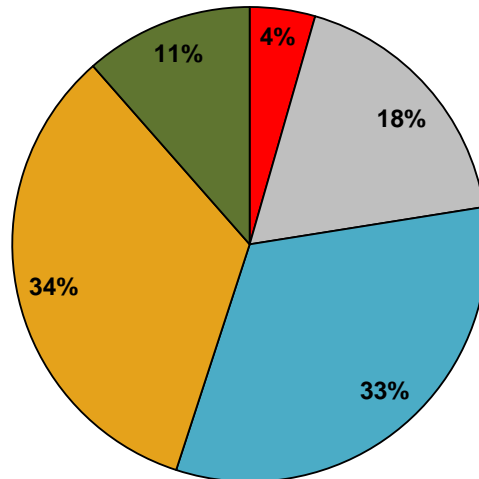
5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation.

PROJECT CATEGORY	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTAL
Drainage	\$ 2,850,000	\$ 1,700,000	\$ 700,000	\$ 175,000	\$ 175,000	\$ -	\$ 5,600,000
Streets & Traffic	\$ 3,544,856	\$ 4,889,712	\$ 2,114,712	\$ 1,814,712	\$ 2,044,879	\$ 8,256,536	\$ 22,665,407
Water	\$ 12,107,570	\$ 16,528,300	\$ 3,269,000	\$ 1,976,700	\$ 6,162,900	\$ 842,200	\$ 40,886,670
Wastewater	\$ 3,130,660	\$ 5,341,540	\$ 30,384,400	\$ 1,599,100	\$ 1,674,100	\$ -	\$ 42,129,800
Facilities, Parks, & Technology	\$ 8,776,500	\$ 4,405,225	\$ 330,500	\$ 580,775	\$ 331,050	\$ -	\$ 14,424,050
TOTALS	\$ 30,409,586	\$ 32,864,777	\$ 36,798,612	\$ 6,146,287	\$ 10,387,929	\$ 9,098,736	\$ 125,705,927

Project Breakout by Type





DRAINAGE

5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Project Summary

Project Code	Project Name	Funding Source	Description
D18B	Drainage Management Program	Oper. Funds/ CIP Fund Bal.	This is an annual heavy maintenance program that will identify specific improvements to the Drainage System. FY22 will include maintenance of existing channels, outfalls and roadside ditches where needed to maintain the flowlines and drainage flows.
D20A	Downtown West Side Storm Sewer Project	Oper. Funds/ CIP Fund Bal.	Per Project A in the FY19 Downtown Drainage Study findings, this will establish a new drainage outfall in the West portion of the downtown area (5th Street & Wallis Street) to provide for proper drainage flows to the existing drainage way. This addresses the drainage issues on the west side of FM 359 by providing capacity for the 2-year design storm and minimizes the need for on-site detention per current standards and the findings of the Livable Center Study. This project is anticipated to begin in FY21.
D20B	Downtown East Side Storm Sewer Project(s)	Oper. Funds/ CIP Fund Bal.	Per Project B in the FY19 Downtown Drainage Study findings, this work will establish a new storm sewer system in the East portion of the downtown area to provide for proper drainage flows to the existing drainage way. This also allows for the City to abandon storm sewer lines currently run underneath existing structures on private property. Design will be completed in FY2021 with construction in FY2022. (FY20 EDC allocated @ \$200k)
D20D	Development of MS4 Stormwater Program	Oper. Funds/ CIP Fund Bal.	This project will prepare the City's MS4 program. This program's primary focus is establishing best management practices for protecting storm water discharges. Some of the items included in the program are: Public Education and outreach, Illicit discharge detection and elimination, Construction site stormwater controls, Post construction stormwater management, Pollution Prevention, etc. This project was originally scheduled for FY21 but was postponed due delays in the census data.
D22A	Downtown East Side Drainage Improvement Project	Oper. Funds/ CIP Fund Bal.	Per Project D in the FY19 Downtown Drainage Study findings, this work will make improvements to the existing Fulshear Lake Tributary. The improvements consist of clearing and straightening the existing tributary and constructing a maintenance berm on each side to the tributary. The proposed channel will be improved to convey the 100 year storm between Huggins Road and FM 1093. Project A will also drain to this tributary adding additional capacity to the east side of Downtown Fulshear. Project is expected to begin in FY22 (design), with construction in FY 23.

Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation.

Undetermined funding sources may include existing fund balances, operational funds, developer participation, EDC participation, etc.

Project Code	Prior Year Funding	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTALS
D18B	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ 500,000
D20A	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
D20B	\$ -	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,900,000
D20D	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
D22A	\$ -	\$ 300,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
TOTALS	\$ -	\$ 2,850,000	\$ 1,700,000	\$ 700,000	\$ 175,000	\$ 175,000	\$ -	\$ 5,600,000



City of Fulshear

2022 - 2026 Capital Improvement Program

Drainage

Project Name:	Drainage Management Program		
Project Number:	D18B	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>This is an annual heavy maintenance program that will identify specific improvements to the Drainage System. FY22 will include maintenance of existing channels, outfalls and roadside ditches where needed to maintain the flowlines and drainage flows.</p>	
Detailed Project Drivers:	
<p>Regular maintenance activities are necessary to provide for positive flows within roadside ditches and open channels.</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Quantity	Unit	Unit Price	Total		
1	Open Channel & Roadside Ditch Maintenance	1	LS	\$ 100,000		\$ 100,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 100,000
					Inflation Factor	
					SUBTOTAL:	\$ 100,000
					Eng./Survey	
					SUBTOTAL:	\$ 100,000
					Estimated Project Total:	\$ 100,000

Project Costs Allocation	Prior Years Allocation	FY Project Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Preliminary Engineering							\$ -	
Land/Right of Way							\$ -	
Design/Surveying							\$ -	
Construction	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	
Equipment and Furniture							\$ -	
Contingency							\$ -	
Total Costs	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	

Funding Sources	Prior Year Funding	FY Projected Funding Source						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Utility Bonds							\$ -	
Operating Funds	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Total Sources	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000	

Notes: Fund 100

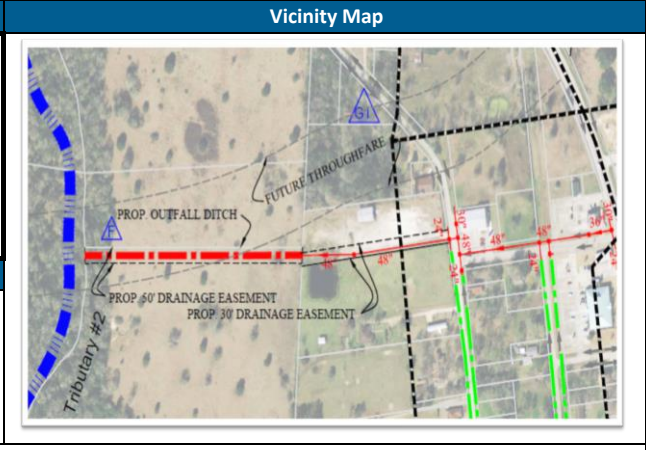


City of Fulshear
2022 - 2026 Capital Improvement Program
Drainage

Project Name:	Downtown West Side Storm Sewer Project		
Project Number:	D20A	Fiscal Year:	2022

Detailed Project Description:

Per Project A in the FY19 Downtown Drainage Study findings, this will establish a new drainage outfall in the West portion of the downtown area (5th Street & Wallis Street) to provide for proper drainage flows to the existing drainage way. This addresses the drainage issues on the west side of FM 359 by providing capacity for the 2-year design storm and minimizes the need for on-site detention per current standards and the findings of the Livable Center Study. This project is now being included in the Wallis Street Widening Project is anticipated to begin in FY22.



Detailed Project Drivers:

Facilitation of growth & development in downtown areas; provide for mitigation of detention on smaller parcels and to promote the Livable Centers Study goals for improvements to spur economic growth in the downtown area.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Paving and Drainage Improvements	1	LS	\$ 1,300,000		\$ 1,300,000
2		1	LS	\$ -		\$ -
3		1	LS	\$ -		\$ -
4		1	LS	\$ -		\$ -
5		1	LS	\$ -		\$ -
				SUBTOTAL:		\$ 1,300,000
				Inflation Factor	0%	
				SUBTOTAL:		\$ 1,300,000
				Eng./Survey/Right of Way		
				SUBTOTAL:		\$ 1,300,000
Estimated Project Total:						\$ 1,300,000

Project Costs Allocation	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering							\$ -
Land/Right of Way	\$ 6,000						\$ 6,000
Design/Surveying	\$ 108,000						\$ 108,000
Construction	\$ 706,000	\$ 500,000					\$ 1,206,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ 820,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,320,000
Funding Sources	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds							\$ -
Operating Funds	\$ 620,000	\$ 500,000					\$ 1,120,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC	\$ 200,000						\$ 200,000
Total Sources	\$ 820,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,320,000

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

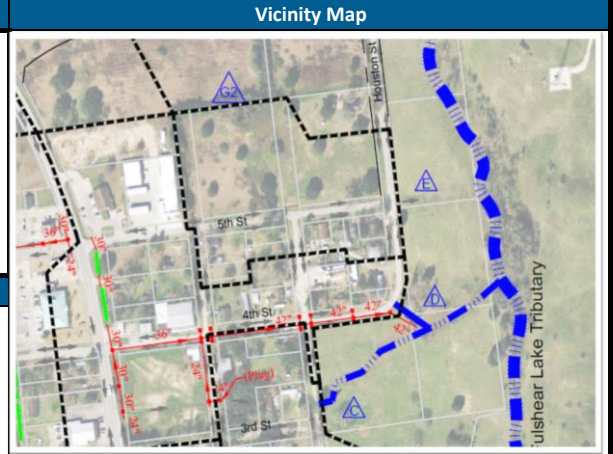
Drainage

Project Name: Downtown East Side Storm Sewer Project(s)

Project Number: D20B **Fiscal Year:** 2022

Detailed Project Description:

Per Project B in the FY19 Downtown Drainage Study findings, this work will establish a new storm sewer system in the East portion of the downtown area to provide for proper drainage flows to the existing drainage way. This also allows for the City to abandon storm sewer lines currently run underneath existing structures on private property. The extensive drainage system will run along 4th St. 4th St will be reconstructed and incorporate the Council approve street cross-sections for the downtown area in a 60' ROW. Design will be completed in FY2021 with construction in FY2022. (FY20 EDC allocated @ \$200k)



Detailed Project Drivers:

Facilitation of growth & development in downtown areas; provide for mitigation of detention on smaller parcels and to promote and support the Livable Centers Study goals. 4th Street Reconstruction and proper outfall.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Paving and Drainage Improvements	1	LS	\$ 2,340,000		\$ 2,340,000
2	Geotechnical	1	LS	\$ 6,500		\$ 6,500
SUBTOTAL:						\$ 2,346,500
Contingency						
SUBTOTAL:						\$ 2,346,500
Eng./Survey						\$ 300,000
SUBTOTAL:						\$ 2,646,500
Estimated Project Total:						\$ 2,646,500

Project Costs Allocation	Prior Years Allocation	FY Project Allocation					
		FY2022	FY2023	FY2024	FY2025	FY2026	Total
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction		\$ 1,900,000					\$ 1,900,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ 1,900,000

Funding Sources	Prior Year Funding	FY Projected Funding Source					
		FY2022	FY2023	FY2024	FY2025	FY2026	Total
Utility Bonds							\$ -
Operating Funds		\$ 1,900,000					\$ 1,900,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ 1,900,000

Notes: Fund 100 = Oper Funds



City of Fulshear

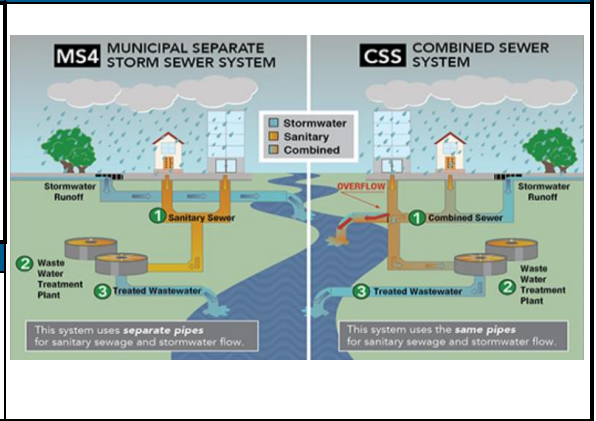
2022 - 2026 Capital Improvement Program

Drainage

Project Name:	Development of City's MS4 Stormwater Program		
Project Number:	D20D	Fiscal Year:	2022

Detailed Project Description:

This project will prepare the City's MS4 program. This program's primary focus is establishing best management practices for protecting storm water discharges. Some of the items included in the program are: Public Education and outreach, Illicit discharge detection and elimination, Construction site stormwater controls, Post construction stormwater management, Pollution Prevention, etc. This project was originally scheduled for FY21 but was postponed due delays in the census data.



Detailed Project Drivers:

Educate public, control illicit discharge, protect waterways from pollutant runoff

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Program development	1	LS	\$ 50,000		\$ 50,000
					SUBTOTAL:	\$ 50,000
					Contingency	
					SUBTOTAL:	\$ 50,000
					Eng./Survey	\$ -
					SUBTOTAL:	\$ 50,000
					Estimated Project Total:	\$ 50,000

	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation							
Preliminary Engineering		\$ 50,000					\$ 50,000
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction							\$ -
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources							
Utility Bonds							\$ -
Operating Funds		\$ 50,000					\$ 50,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Notes: Fund 100 = Oper Funds



City of Fulshear 2022 - 2026 Capital Improvement Program Drainage

Project Name:	Downtown East Side Drainage Improvement Project(s)		
Project Number:	D22A	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>Per Project D in the FY19 Downtown Drainage Study findings, this work will make improvements to the existing Fulshear Lake Tributary. The improvements consist of clearing and straightening the existing tributary and constructing a maintenance berm on each side to the tributary with a linear park to include a trail system and appurtenances.. The proposed channel will be improved to convey the 100 year storm between Huggins Road and FM 1093. Project A will also drain to this tributary adding additional capacity to the east side of Downtown Fulshear. Project is expected to begin in FY22 (design), with construction in FY 23.</p>	

Detailed Project Drivers:	
Facilitation of growth & development in downtown areas; provide for mitigation of detention on smaller parcels. Improve drainage of area between Huggins Road and FM 1093.	

Capital Improvement Cost Estimate*						
Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Drainage Improvements	1	LS	\$ 1,290,000		\$ 1,290,000
2	Geotechnical	1	LS	\$ 10,000		\$ 10,000
SUBTOTAL:						\$ 1,300,000
Contingency						
SUBTOTAL:						\$ 1,300,000
Eng./Survey						
SUBTOTAL:						\$ 1,300,000
Estimated Project Total:						\$ 1,300,000

Project Costs Allocation	Prior Years Allocation	FY Project Allocation					
		FY2022	FY2023	FY2024	FY2025	FY2026	Total
Preliminary Engineering							
Land/Right of Way							\$ -
Design/Surveying		\$ 300,000					\$ 300,000
Construction			\$ 1,000,000				\$ 1,000,000
Equipment and Furniture							
Contingency							
Total Costs	\$ -	\$ 300,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,300,000

Funding Sources	Prior Year Funding	FY Projected Funding Source					
		FY2022	FY2023	FY2024	FY2025	FY2026	Total
Utility Bonds							
Operating Funds		\$ 300,000	\$ 1,000,000				\$ 1,300,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 300,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,300,000

Notes: Fund 100 = Oper Funds



MUNICIPAL FACILITIES, PARKS, & TECHNOLOGY 5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Project Summary

Project Code	Project Name	Funding Source	Description
FPT18C	Facilities & Parks Management Program	Oper, CIP, & Parks Funds/ Fund Balance	This is an annual heavy maintenance program that will identify specific improvements to the City's Facilities and Parks. <i>(Estimated funds will be 75%-Oper/CIP and 25%-Parks Fund)</i>
FPT19A	Parks & Pathways Master Plan Implementation - Primrose Park Phase II	Parks Funds & EDC Requests	This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the Parks and Pathways Master Plan. FY20 work included implementation of the Primrose Park Phase I. Design for Phase II will be completed in FY21 and phased construction will begin in FY22. The primary focus of the first phase of Primrose Park Phase II will focus on the baseball field portion of the project and associated parking and facilities.
FPT19B	Livable Centers Study Implementation	Oper. Funds/ CIP Fund Bal./ EDC Requests	This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the HGAC Livable Centers Study. Items such as hardscapes and streetscapes as detailed in the study will be implemented or installed as part of the following projects that are expected to be under construction in FY22: Harris Street Reconstruction, Wallis Street Improvements, and 4th Street Reconstruction.
FPT21A	Marcel Center (A&B) Build Out Design	Oper, CIP, & Utility Funds/Fund Balance	This project will provide design services for the new City Hall facilities at the Marcel Center. Design of buildings A & B, which will house all city services.
FPT22A	IT Tech Infrastructure/Servers/Networking Equip - Disaster Recovery	Oper. Funds/ CIP Fund Bal.	This project assists in planning and designing improvements to Information Technology to accomplish the following objectives: Enable coordinated, rapid recovery from a disaster; Reduce the City's risk of exposure; and provide for redundant IT – infrastructure (Servers, Networking equipment)
FPT22B	Parks & Pathways Trail Connector Citywide	Oper. Funds/ CIP Fund Bal.	This project will establish a project for connecting existing trailways throughout the city.
FPT22C	ILA with Tamarron West MUD to construct a regional park.	Oper. Funds/ CIP Fund Bal.	Through an Interlocal Agreement with the Tamarron West MUD a regional park consisting of soccer fields (youth soccer focused) will be constructed by the developer of Tamarron West. The park will be located off Jordan/Woods Road. The City will reimburse the MUD \$2,500,000.
FPT22D	Fulshear Lake Tributary Improvements	Oper. Funds/ CIP Fund Bal.	Per Project D in the FY19 Downtown Drainage Study findings, this work will make improvements to the existing Fulshear Lake Tributary. The improvements consist of clearing and straightening the existing tributary and constructing a maintenance berm on each side to the tributary. The proposed channel will be improved to convey the 100 year storm between Huggins Road and FM 1093. Project A will also drain to this tributary adding additional capacity to the east side of Downtown Fulshear. Project is expected to begin in FY22 (design), with construction in FY 23.
FPT22E	Communications - Branding and City Website updates	Oper. Funds	This project will include building a new brand for the City as well as a new city website.

Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation.

Undetermined funding sources may include existing fund balances, operational funds, developer participation, EDC participation, etc.

Project Code	Prior Years Funding	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTALS
FPT18C	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ -	\$ 625,000
FPT19A	\$ -	\$ 2,500,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ 3,300,000
FPT19B	\$ -	\$ 375,000	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000
FPT21A	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
FPT22A	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
FPT22B	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
FPT22E	\$ -	\$ 126,500	\$ 5,225	\$ 5,500	\$ 5,775	\$ 6,050	\$ -	\$ 149,050
TOTALS	\$ -	\$ 8,776,500	\$ 4,405,225	\$ 330,500	\$ 580,775	\$ 331,050	\$ -	\$ 14,424,050



City of Fulshear

2022 - 2026 Capital Improvement Program

Facilities Parks & Technology

Project Name:	Facilities & Parks Management Program		
Project Number:	FPT18C	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>This is an annual heavy maintenance program that will identify specific improvements to the City's Facilities and Parks. (Estimated funds will be 75%-Oper/CIP and 25%-Parks Fund)</p>	
Detailed Project Drivers:	
<p>Growth and population increases in residential communities; public use of parks/facilities drive needs to upgrade & improve; staffing additions/added services</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Park Equipment	1	LS	\$ 30,000		\$ 40,000
2	Facilities Improvements	1	LS	\$ 50,000		\$ 60,000
3	Park Maintenance	1	LS	\$ 20,000		\$ 25,000
SUBTOTAL:						\$ 125,000
SUBTOTAL:						\$ 125,000
SUBTOTAL:						\$ 125,000
Estimated Project Total:						\$ 125,000

			Prior Years Allocation	FY Project Allocation					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation									
	Preliminary Engineering							\$ -	
	Land/Right of Way							\$ -	
	Design/Surveying							\$ -	
	Construction		\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 325,000	
	Equipment and Furniture		\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 300,000	
	Contingency							\$ -	
	Total Costs		\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000	

			Prior Year Funding	FY Projected Funding Source					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources									
	Utility Bonds							\$ -	
	Operating Funds		\$ 62,500	\$ 62,500	\$ 62,500	\$ 62,500	\$ 62,500	\$ 312,500	
	Connections Fees							\$ -	
	Impact Fees							\$ -	
	EDC							\$ -	
	Grant/Other	CAD Park Funds	\$ 62,500	\$ 62,500	\$ 62,500	\$ 62,500	\$ 62,500	\$ 312,500	
	Total Sources		\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000	

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

Facilities Parks & Technology

Project Name: Parks & Pathways Development - Primrose Park Phase II

Project Number: FPT19A **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the Parks and Pathways Master Plan. FY20 work included implementation of the Primrose Park Phase I. Design for Phase II will be completed in FY21 and phased construction will begin in FY22. The primary focus of the first phase of Primrose Park Phase II will focus on the baseball field portion of the project and associated parking and facilities.



Detailed Project Drivers:

Parks and Pathways Master Plan; Provide for recreational facilities to support growth in the City. Youth sports and City events.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Construction	1	LS	\$ 7,500,000		\$ 7,500,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
				SUBTOTAL:		\$ 7,500,000
				SUBTOTAL:		\$ 7,500,000
				SUBTOTAL:		\$ 7,500,000
					Estimated Project Total:	\$ 7,500,000

		Prior Years Allocation	FY Project Allocation					
Project Costs Allocation			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Preliminary Engineering								\$ -
Land/Right of Way								\$ -
Design/Surveying								\$ -
Construction			\$ 2,500,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 3,300,000
Equipment and Furniture								\$ -
Contingency								\$ -
Total Costs		\$ -	\$ 2,500,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 3,300,000
		Prior Year Funding	FY Projected Funding Source					
Funding Sources			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Utility Bonds								\$ -
Operating Funds								\$ -
Connections Fees								\$ -
Impact Fees								\$ -
EDC			\$ 500,000					\$ 500,000
Grant/Other	CAD Park Funds		\$ 2,000,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,800,000
Total Sources		\$ -	\$ 2,500,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 3,300,000

Oper Funds = 100 & 500 (75%/25%)



City of Fulshear

2022 - 2026 Capital Improvement Program

Facilities Parks & Technology

Project Name:	Livable Centers Study Implementation		
Project Number:	FPT19B	Fiscal Year:	2022

Detailed Project Description:

This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the HGAC Livable Centers Study. Items such as hardscapes and streetscapes as detailed in the study will be implemented or installed as part of the following projects that are expected to be under construction in FY22: Harris Street Reconstron, Wallis Street Improvements, and 4th Stree Reconstruction.

Vicinity Map

Fulshear Livable Center Study

What is a Livable Center?
The intent of Houston-Galveston Area Council's (H-GAC) Livable Centers Program is to encourage walkable, mixed-use development, provide opportunities for multi-modal transportation options, create a greater sense of place, improve environmental quality, and promote economic development.

Initial Implementation Projects

- » Create development standards and design code for the downtown district
• Approximate Cost: \$160K to \$200K
- » Branding and Signage Plan and Implementation
• Approximate Cost: \$50K to \$100K
- » Downtown Streetscape Design Master Plan and Implementation
• Approximate Cost: \$150K to \$200K
- » Right-of-Way acquisition costs as-needed for improvements along TBD streets

Draft Conceptual Plan

The study will provide transportation, land use, and economic development recommendations in Downtown Fulshear.

Detailed Project Drivers:

Livable Centers Plan; Commercial/Mixed Use/Residential growth in Downtown

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Analysis	1	LS	\$ -		\$ -
2	Design	1	LS	\$ 250,000		\$ 250,000
3	Construction	1	LS	\$ 400,000		\$ 400,000
4	Hardscape	1	LS	\$ 100,000		\$ 100,000
					SUBTOTAL:	\$ 750,000
					SUBTOTAL:	\$ 750,000
					SUBTOTAL:	\$ 750,000
					Estimated Project Total:	\$ 750,000

	Prior Years Allocation	FY Project Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Project Costs Allocation								
Preliminary Engineering								\$ -
Land/Right of Way								\$ -
Design/Surveying								\$ -
Construction		\$ 375,000	\$ 375,000					\$ 750,000
Equipment and Furniture								\$ -
Contingency								\$ -
Total Costs	\$ -	\$ 375,000	\$ 375,000	\$ -	\$ -	\$ -		\$ 750,000

	Prior Year Funding	FY Projected Funding Source						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Funding Sources								
Utility Bonds								
Operating Funds		\$ 375,000	\$ 375,000					\$ 750,000
Connections Fees								\$ -
Impact Fees								\$ -
EDC								\$ -
Grant/Other	CAD Park Funds	\$ -						\$ -
Total Sources	\$ -	\$ 375,000	\$ 375,000	\$ -	\$ -	\$ -		\$ 750,000

Oper Funds = 100



City of Fulshear
2022 - 2026 Capital Improvement Program
Facilities Parks & Technology

Project Name:	City Hall		
Project Number:	FPT21A	Fiscal Year:	2022

This project will provide design & construction services for the new City Hall complex at the Marcel Town Center.

Vicinity Map



Detailed Project Drivers:

Growth in level of services; staffing additions/added services; provide a common City Hall location for all City Services

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Design	1	LS	\$ 500,000		\$ 587,500
2	Construction	1	LS	\$ 5,000,000		\$ 5,000,000
					SUBTOTAL:	\$ 5,587,500
					SUBTOTAL:	\$ 5,587,500
					SUBTOTAL:	\$ 5,587,500
					Estimated Project Total:	\$ 5,587,500


Project Costs Allocation	Prior Years Allocation	FY Project Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Preliminary Engineering							\$ -	
Land/Right of Way							\$ -	
Design/Surveying	\$ 587,500						\$ 587,500	
Construction		\$ 5,000,000					\$ 5,000,000	
Equipment and Furniture							\$ -	
Contingency							\$ 5,000,000	
Total Costs	\$ 587,500	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,587,500	
Funding Sources	Prior Year Funding	FY Projected Funding Source						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Utility Bonds								
Operating Funds	\$ 587,500	\$ 5,000,000					\$ 5,587,500	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Grant/Other	CAD	Park Funds					\$ -	
Total Sources	\$ 587,500	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,587,500	

Oper Funds = 100 & 500



City of Fulshear

2022 - 2026 Capital Improvement Program Facilities Parks & Technology

Project Name:	IT Disaster Recovery and Backup System		
Project Number:	FPT22A	Fiscal Year:	2022
Detailed Project Description:		Vicinity Map	
<p>PROJECT DESCRIPTION: This project assists in planning and designing improvements to Information Technology to accomplish the following objectives:</p> <ul style="list-style-type: none"> • Enable coordinated, rapid recovery from a disaster. • Reduce the City's risk exposure. • Providing redundant IT – infrastructure (Servers, Networking equipment) 			
Detailed Project Drivers:			
Provide for data backup, disaster recovery; reduce IT downtime; Provide for data redundancy			

Capital Improvement Cost Estimate*						
Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
	Hardware	8	EA	\$ 10,000		\$ 80,000
	Maintenance	3	YR	\$ 50,000		\$ 150,000
	Labor	1	LS	\$ 30,800		\$ 30,800
SUBTOTAL:						\$ 260,800
				Contingency	15%	\$ 39,200
SUBTOTAL:						\$ 300,000
				Eng./Survey	0%	
SUBTOTAL:						\$ 300,000
Estimated Project Total:						\$ 300,000

FY Project Allocation							
Project Costs Allocation	Prior Years Allocation	FY2022	FY2023	FY2024	FY2025	FY2026	Total
Hardware		\$ 80,000					\$ 80,000
Maintenance		\$ 150,000					\$ 150,000
labor install		\$ 30,800					\$ 30,800
Contingency		\$ 39,200					\$ 39,200
Total Costs	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

FY Projected Funding Source							
Funding Sources	Prior Year Funding	FY2022	FY2023	FY2024	FY2025	FY2026	Total
General Fund		\$ 300,000					\$ 300,000
							\$ -
Total Sources	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Facilities Parks & Technology

Project Name: Parks & Pathways - Citywide Trail Connectors

Project Number: FPT22B **Fiscal Year:** 2022

Detailed Project Description:
This project will establish a project for connecting existing trailways throughout the city. This first phase will focus on connection the Primrose Park trail system with the linear trail system south of Huggins Rd.

Vicinity Map



Detailed Project Drivers:
Provide for better connectivity between the City's trail systems; Provide for better pedestrian mobility

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Pathway Connection - Design & Construction	1	EA	\$ 200,000		\$ 200,000
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 200,000
				Contingency	15%	
					SUBTOTAL:	\$ 200,000
				Eng./Survey	0%	
					SUBTOTAL:	\$ 200,000
Estimated Project Total:						\$ 200,000

FY Project Allocation								
Project Costs Allocation		Prior Years Allocation	FY2022	FY2023	FY2024	FY2025	FY2026	Total
Design			\$ 40,000					\$ 40,000
Construction			\$ 160,000					\$ 160,000
								\$ -
								\$ -
Total Costs		\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000

FY Projected Funding Source								
Funding Sources		Prior Year Funding	FY2022	FY2023	FY2024	FY2025	FY2026	Total
Park Fund			\$ 200,000					\$ 200,000
								\$ -
								\$ -
Total Sources		\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Facilities Parks & Technology

Project Name: Rebranding & City Website

Project Number: FPT22E **Fiscal Year:** 2022

Detailed Project Description:
This project will include building a new brand for the City as well as a new city website.



Detailed Project Drivers:
The objective of this project is to develop a clear, strong, and resilient brand identity that represents the varied attributes of the Fulshear community, as well as develop a city website as a community resource of information and engagement.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total
1	Brand Research, Development & Guide	1		\$ 60,000	\$ 60,000
2	Template Creation	1		\$ 10,000	\$ 10,000
3	Website Design & Implementation	1		\$ 45,000	\$ 45,000
4	Annual Hosting, Maintenance and Support	1		\$ 20,500	\$ 20,500
				SUBTOTAL:	\$ 135,500
				Contingency	10%
				SUBTOTAL:	\$ 149,050
				Eng./Survey	0%
				SUBTOTAL:	\$ 149,050
Estimated Project Total:					\$ 149,050

Project Costs Allocation	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Brand Research, Development & Guide		\$ 66,000					\$ 66,000
Template Creation		\$ 11,000					\$ 11,000
Website Design & Implementation		\$ 49,500					\$ 49,500
Annual Hosting, Maintenance and Support			\$ 5,225	\$ 5,500	\$ 5,775	\$ 6,050	\$ 22,550
Total Costs	\$ -	\$ 126,500	\$ 5,225	\$ 5,500	\$ 5,775	\$ 6,050	\$ 149,050

Funding Sources	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Operating Budget		\$ -	\$ 5,225	\$ 5,500	\$ 5,775	\$ 6,050	\$22,550.00
General Fund		\$ 126,500					\$126,500.00
EDC							\$0.00
							\$ -
							\$ -
Total Sources		\$ 126,500	\$ 5,225	\$ 5,500	\$ 5,775	\$ 6,050	\$ 149,050

Notes:



STREETS & TRAFFIC

5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Project Summary

Project Code	Project Name	Funding Source	Description
ST18A	Pavement Management Program	Oper. Funds/ CIP Fund Bal.	This is an annual heavy maintenance program that will identify specific improvements for the Street and Traffic Systems.
ST19A	Biennial Roadway Evaluation	Oper. Funds/ CIP Fund Bal.	An assessment of the City's roadway network will be conducted every 2-3 years to track trends in the condition of the streets in the City's Roadway System. The next assessment is scheduled for FY21.
ST20A	Citywide Traffic Control Improvements	Oper. Funds/ CIP Fund Bal.	This program will provide for traffic studies, design and implementation of necessary improvements. Project can included evaluations of existing major corridor conditions to identify necessary traffic control improvements; implementation of pavement markings; striping and signs. FY21 Funds were reserved for a potential traffic signal at Cross Creek Ranch Blvd and Cross Creek Bend, but traffic conditions did not warrant the signal in FY21. Signal could be a future project if conditions warrant.
ST20B	*Huggins Drive Road Participation Project	Oper. Funds/ CIP Fund Bal./ CAD Fund/ EDC Requests	This project will track the City's participation in this regional road project with Fort Bend County. The ROW acquisitions, any utility oversizing/conflicts and sidewalks for Huggins Rd. improvements will be funded by this project. ROW acquisition occurred in FY21. (CURRENT City Participations Cost ESTIMATE \$2.5M for 7 years at 3.51% interest) Funding assumes payments to FBC to begin in FY22.
ST20C	Texas Heritage Parkway Participation Project	Oper. Funds/ CIP Fund Bal./ EDC Requests	For the Texas Heritage Parkway project, this item will track payments (25 year payback at 2.75% interest) made to the County (ILA) for the City's portion of the costs. Construction is expected to be complete in FY21. Payments are expected to begin in FY22 and are estimated to be \$230,000 per year.
ST20D	FM 1093 Widening Cost Participation	Oper. Funds/ CIP Fund Bal./ CAD Fund/ EDC Requests	Cost sharing for FM 1093 Widening Project - Primarily for Utility Relocations & New Lines (W/WW Master Plan) This assumes financing by Ft. Bend County over 7 years at 3.51%). Other funding options will continue to be explored. First payment to the County is expected to be made in FY21. FY 22 thru FY26 budgets will include the yearly payment to continue to pay off the loan by the County.
ST20E	Redbird Lane Improvements Project	Oper. Funds/ CIP Fund Bal.	This project will be used to rehabilitate the existing roadway and provide for intersection improvements to minimize the effects of extreme flooding. This project will not address mobility issues during a major storm event, but should improve the area during more frequent minor events. Preliminary Engineering should be complete FY21 and construction should begin FY22.
ST20F	Wallis Street Reconstruction - FM 1093 to FM 359	Oper. Funds/ CIP Fund Bal.	City is participating through an Interlocal Agreement with Fort Bend County for design and construction of the widening and extension of Wallis from FM 359 to FM 1093. City's commitment to the project is a 50/50 split with Fort Bend County. Estimated total project is \$5.2 M. Project will begin design in FY21 and construction is planned for FY22. This project will also include the West Side Drainage improvements and will incorporate improvements outlined in the Livable Centers Study.
ST22A	Bois D'Arc Extension and Improvements	Oper. Funds/ CIP Fund Bal./ CAD Fund/	This project will consist of an extension of Bois D'Arc from McKinnon Road north to a connection with FM 1093 at Tiki Ln. This project will be a cost share project (ILA) with FBC and is expected to be constructed in FY22. Cost will be determined at end of construction and the City will reimburse FBC.
ST22B	Harris Street Reconstruction	Oper. Funds/ CIP Fund Bal./ CAD Fund/ EDC Requests	Harris Street will be reconstructed from FM 1093 to 5th Street. The reconstruction will consist of a two way curb and gutter roadway with parallel on-street parking and sidewalks. FY22 Design (\$225k Operation Funds, \$225k EDC Funds), FY23 Construction. This project will also incorporate improvements outlined in the Livable Centers Study.
ST22C	FM1463 Utility Relocate AFA	Oper. Funds/ CIP Fund Bal.	This project will cover payment to TxDOT for the City's portion of the Utility relocates for the FM1463 widening project. This will be paid through an Advanced Funding Agreement.

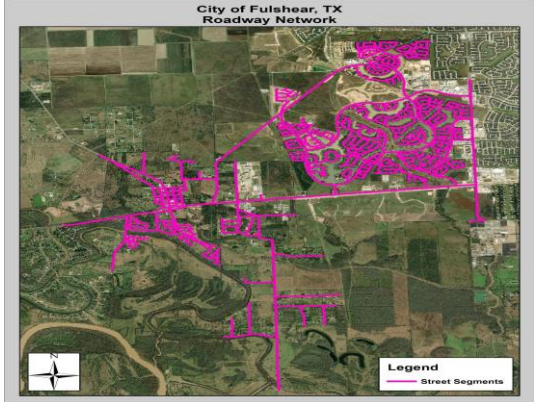
Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation. Undetermined funding sources may include existing fund balances, operational funds, developer participation, EDC participation, etc.

Project Code	Prior Years Funding	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTALS
ST18A	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ -	\$ 2,000,000
ST18B	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ 800,000
ST19A	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 225,000
ST20A	\$ -	\$ 300,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 1,000,000
ST20B	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	\$ 2,500,000
ST20C	\$ -	\$ 230,000	\$ 379,712	\$ 379,712	\$ 379,712	\$ 379,712	\$ 5,845,392	\$ 7,594,240
ST20D	\$ -	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 40,167	\$ 501,000	\$ 981,167
ST20E	\$ -	\$ 900,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
ST20F	\$ -	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 850,000	\$ 2,600,000
ST22B	\$ -	\$ 450,000	\$ 2,600,000	\$ -	\$ -	\$ -	\$ -	\$ 3,050,000
ST22C	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290,000
TOTALS	\$ -	\$ 3,355,000	\$ 4,889,712	\$ 2,114,712	\$ 1,814,712	\$ 2,044,879	\$ 8,446,392	\$ 22,665,407



City of Fulshear 2022 - 2026 Capital Improvement Program Streets & Traffic

Project Name:	Pavement Management Program		
Project Number:	ST18A	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>This is an annual heavy maintenance program that will identify specific improvements for the Street and Traffic Systems.</p>	
Detailed Project Drivers:	
<p>Level of acceptable pavement conditions for citywide roadways; level of service for traffic control devices</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Asphalt and Concrete Rehab/Reconstruction	1	LS	\$ 200,000		\$ 200,000
					SUBTOTAL:	\$ 200,000
					SUBTOTAL:	\$ 200,000
					SUBTOTAL:	\$ 200,000
					Estimated Project Total:	\$ 200,000

		Prior Years Allocation	FY Project Allocation					
Project Costs Allocation			FY2022	FY2023	FY2024	FY2025	FY2026	Total
	Preliminary Engineering							\$ -
	Land/Right of Way							\$ -
	Design/Surveying							\$ -
	Construction	\$ 601,629	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,601,629
	Equipment and Furniture							\$ -
	Contingency							\$ -
	Total Costs	\$ 601,629	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,601,629
		Prior Year Funding	FY Projected Funding Source					
Funding Sources			FY2022	FY2023	FY2024	FY2025	FY2026	Total
	Utility Bonds							\$ -
	Operating Funds	\$ 601,629	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,601,629
	Connections Fees							\$ -
	Impact Fees							\$ -
	EDC							\$ -
	Grant/Other							\$ -
	Total Sources	\$ 601,629	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,601,629

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

Streets & Traffic

Project Name:	Biennial Roadway Evaluation		
Project Number:	ST19A	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>This is an ongoing project that is updated on a biennial basis. In FY22 the roadway condition will be evaluated citywide and a pavement condition index (PCI) will be established. PCI will be used to determine scheduling of road work and types of maintenance needed.</p>	
Detailed Project Drivers:	
<p>Level of acceptable pavement conditions for citywide roadways; establish roadway condition base line; set pavement rehabilitation and maintenance policy</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Asphalt and Concrete Rehab/Reconstruction	1	LS	\$ 75,000		\$ 75,000
					SUBTOTAL:	\$ 75,000
					SUBTOTAL:	\$ 75,000
						\$ -
					SUBTOTAL:	\$ 75,000
Estimated Project Total:						\$ 75,000

		Prior Years Allocation	FY Project Allocation					Total
			FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation								
Preliminary Engineering								\$ -
Land/Right of Way								\$ -
Design/Surveying		\$ 75,000		\$ 75,000		\$ 75,000		\$ 225,000
Construction								\$ -
Equipment and Furniture								\$ -
Contingency								\$ -
Total Costs	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000		\$ 225,000
		Prior Year Funding	FY Projected Funding Source					
Funding Sources								
Utility Bonds								
Operating Funds		\$ 75,000		\$ 75,000		\$ 75,000		\$ 225,000
Connections Fees								\$ -
Impact Fees								\$ -
EDC								\$ -
Grant/Other								\$ -
Total Sources	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ 75,000		\$ 225,000

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

Streets & Traffic

Project Name: Citywide Traffic Control Improvements

Project Number: ST20A **Fiscal Year:** 2022

Detailed Project Description:

This program will provide for traffic studies, design and implementation of necessary improvements. Project can included evaluations of existing major corridor conditions to identify necessary traffic control improvements; implementation of pavement markings; striping and signs. FY21 Funds were reserved for a potential traffic signal at Cross Creek Ranch Blvd and Cross Creek Bend, but traffic conditions did not warrant the signal in FY21. Signal could be a future project if conditions warrant.



Detailed Project Drivers:

Growth in population; traffic pattern changes; new development; new schools; compliance with Texas Manual of Uniform Traffic Control Devices.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Traffic Corridor Improvements; Traffic Signal Design	1	LS	\$ 350,000		\$ 350,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 350,000
					SUBTOTAL:	\$ 350,000
					SUBTOTAL:	\$ 350,000
					Estimated Project Total:	\$ 350,000

	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation							
Preliminary Engineering							
Land/Right of Way							
Design/Surveying		\$ 75,000		\$ 75,000		\$ 75,000	\$ 225,000
Construction		\$ 275,000	\$ -	\$ 275,000		\$ 275,000	\$ 825,000
Equipment and Furniture							
Contingency							
Total Costs	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ 1,050,000

	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources							
Utility Bonds							
Operating Funds		\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ 1,050,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Grant/Other							\$ -
Total Sources	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ 1,050,000

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

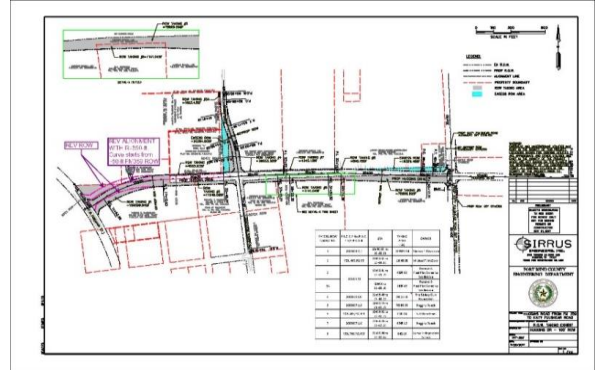
Streets & Traffic

Project Name: *Huggins Drive Road Participation Project

Project Number: ST20B **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

This project will track the City's participation in this regional road project with Fort Bend County. The ROW acquisitions, any utility oversizing/conflicts, and sidewalks for Huggins Road improvements will be funded by this project. The current estimate is \$2.5M. Through an ILA with FBC the City will pay FBC \$2.5M over 7 years at 3.51% interest. FY20 & FY21 included \$200K in EDC funds.



Detailed Project Drivers:

2013 County Mobility Bond Program with City Participation to provide an east west corridor for mobility.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	ROW Acquisition	1	LS	\$ 1,200,000		\$ 1,200,000
2	Construction Improvements	1	LS	\$ 1,300,000		\$ 1,300,000
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 2,500,000
						\$ -
					SUBTOTAL:	\$ 2,500,000
						\$ -
					SUBTOTAL:	\$ 2,500,000
					Estimated Project Total:	\$ 2,500,000

	Prior Years Allocation	FY Project Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Project Costs Allocation								
Preliminary Engineering							\$ -	
Land/Right of Way							\$ -	
Design/Surveying							\$ -	
Construction		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	
Equipment and Furniture							\$ -	
Contingency							\$ -	
Total Costs	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	
	Prior Year Funding	FY Projected Funding Source						
Funding Sources								
Utility Bonds							\$ -	
Operating Funds		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Grant/Other							\$ -	
Total Sources	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	

Notes: Fund 100 = Oper Funds



City of Fulshear

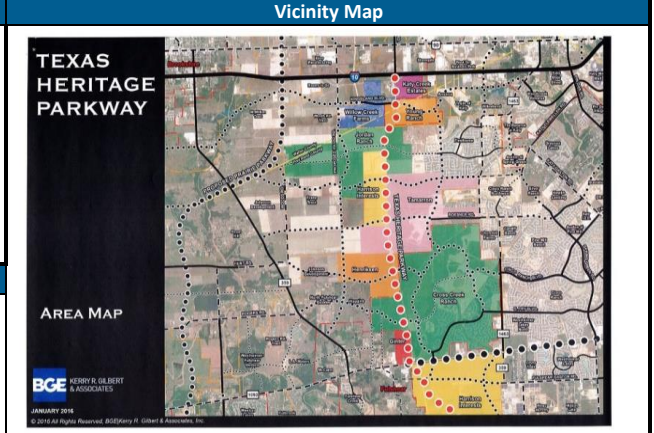
2022 - 2026 Capital Improvement Program

Streets & Traffic

Project Name:	Texas Heritage Parkway Participation Project		
Project Number:	ST20C	Fiscal Year:	2022

Detailed Project Description:

For the Texas Heritage Parkway project, this item will track payments (25 year payback at 2.75% interest) made to the County (ILA) for the City's portion of the costs. Construction is expected to be complete in FY21. Payments are expected to begin in FY22 and are estimated to be \$230,000 per year.



Detailed Project Drivers:

County Mobility Bond Program with City Participation to provide a north south major thoroughfare corridor between I10 and FM 1093

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Roadway Participation Costs	1	LS	\$ 7,594,240		\$ 7,594,240
					SUBTOTAL:	\$ 7,594,240
					SUBTOTAL:	\$ 7,594,240
					SUBTOTAL:	\$ 7,594,240
Estimated Project Total:						\$ 7,594,240

	Prior Years Allocation	FY Project Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Project Costs Allocation								
Preliminary Engineering								
Land/Right of Way								
Design/Surveying								
Construction		\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 1,150,000	
Equipment and Furniture								
Contingency								
Total Costs	\$ -	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 1,150,000	
	Prior Year Funding	FY Projected Funding Source						
Funding Sources		FY2022	FY2023	FY2024	FY2025	FY2026	Total	
Utility Bonds								
Operating Funds		\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 1,150,000	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Grant/Other							\$ -	
Total Sources	\$ -	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 1,150,000	

Notes: Fund 100 = Oper Funds

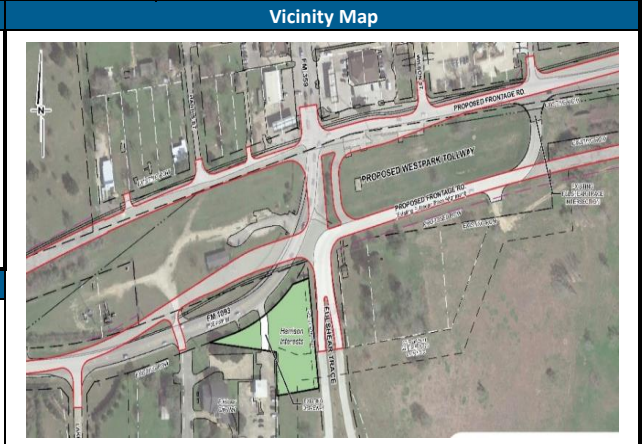


City of Fulshear 2022 - 2026 Capital Improvement Program Streets & Traffic

Project Name:	FM 1093 Widening Cost Participation		
Project Number:	ST20D	Fiscal Year:	2022

Detailed Project Description:

Cost sharing for FM 1093 Widening Project - Primarily for Utility Relocations & New Lines (W/WW Master Plan) This assumes financing by Ft. Bend County over 7 years at 3.51%. Other funding options will continue to be explored. First payment to the County is expected to be made in FY21. FY 22 thru FY26 budgets will include the yearly payment to continue to pay off the loan by the County.



Detailed Project Drivers:

County Mobility Bond Program with City Participation to provide a east west major thoroughfare corridor improvement between Cross Creek Ranch Blvd and James Ln

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Roadway Participation Costs	1	LS	\$ 981,167	\$ 981,167
2		1	LS	\$ -	\$ -
3		1	LS	\$ -	\$ -
4		1	LS	\$ -	\$ -
5		1	LS	\$ -	\$ -
SUBTOTAL:					\$ 981,167
SUBTOTAL:					\$ 981,167
SUBTOTAL:					\$ 981,167
Estimated Project Total:					\$ 981,167

		Prior Years Allocation	FY Project Allocation					Total
			FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation								
Preliminary Engineering								
Land/Right of Way								
Design/Surveying								
Construction			\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000	
Equipment and Furniture								
Contingency								
Total Costs		\$ -	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000	
Funding Sources		Prior Year Funding	FY Projected Funding Source					Total
			FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds								
Operating Funds			\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Grant/Other CAD							\$ -	
Total Sources		\$ -	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000	

Notes: Fund 100 = Oper Funds



City of Fulshear
2022 - 2026 Capital Improvement Program
Streets & Traffic

Project Name: Redbird Lane Area Roadway Construction/Improvement Project

Project Number: ST20E **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

This project will be used to rehabilitate the existing roadway and provide for intersection improvements to minimize the effects of extreme flooding. This project will not address mobility issues during a major storm event, but should improve the area during more frequent minor events. Preliminary Engineering should be complete FY21 and construction should begin FY22.



Detailed Project Drivers:

Redbird Ln flooding during heavy rainfall; pavement condition is poor

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total
1	Redbird Ln and Intersections improvements or alternate route	1	LS	\$ 1,500,000	\$ 1,500,000
				SUBTOTAL:	\$ 1,500,000
				SUBTOTAL:	\$ 1,500,000
				SUBTOTAL:	\$ 1,500,000
				Estimated Project Total:	\$ 1,500,000

Project Costs Allocation	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying		\$ 80,000					\$ 80,000
Construction		\$ 820,000	\$ 600,000				\$ 1,420,000
Equipment and Furniture							
Contingency							
Total Costs	\$ -	\$ 900,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,500,000

Funding Sources	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds							
Operating Funds		\$ 900,000	\$ 600,000				\$ 1,500,000
Connections Fees							
Impact Fees							
EDC							
Grant/Other CAD							
Total Sources	\$ -	\$ 900,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,500,000

Notes: Fund 100 = Oper Funds



City of Fulshear

2021 - 2025 Capital Improvement Program

Streets & Traffic

Project Name:	Wallis Street Improvements		
Project Number:	ST20F	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>City is participating through an Interlocal Agreement with Fort Bend County for design and construction of the widening and extension of Wallis from FM 359 to FM 1093. City's commitment to the project is a 50/50 split with Fort Bend County. Estimated total project is \$5.2 M. Project will begin design in FY21 and construction is planned for FY22. This project will also include the West Side Drainage improvements and will incorporate improvements outlined in the Livable Centers Study.</p>	
Detailed Project Drivers:	
<p>Mobility; prep for one-way pair southbound on Wallis to accommodate the Livable Center's Study Implementation</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Extension of Wallis St 1st St to FM 1093	1	LS	\$ 2,600,000		\$ 2,600,000
				SUBTOTAL:		\$ 2,600,000
				SUBTOTAL:		\$ 2,600,000
				SUBTOTAL:		\$ 2,600,000
					Estimated Project Total:	\$ 2,600,000

			Prior Years Allocation	FY Project Allocation					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation									
		Preliminary Engineering						\$ -	
		Land/Right of Way						\$ -	
		Design/Surveying						\$ -	
		Construction	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000	
		Equipment and Furniture						\$ -	
		Contingency						\$ -	
		Total Costs	\$ -	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000	

			Prior Year Funding	FY Projected Funding Source					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources									
		Utility Bonds						\$ -	
		Operating Funds	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000	
		Connections Fees						\$ -	
		Impact Fees						\$ -	
		EDC						\$ -	
		Grant/Other CAD						\$ -	
		Total Sources	\$ -	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000	

Notes: Fund 100 = Oper Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

Streets & Traffic

Project Name: HARRIS STREET RECONSTRUCTION (FM 1093 TO 5TH STREET)

Project Number: ST22B **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

Harris Street will be reconstructed from FM 1093 to 5th Street. The reconstruction will consist of a two way curb and gutter roadway with parallel on-street parking and sidewalks. FY22 Design (\$225k Operation Funds, \$225k EDC Funds), FY23 Construction. This project will also incorporate improvements outlined in the Livable Centers Study.



Detailed Project Drivers:

Mobility; improvements to roadway to accommodate the Livable Center's Study Implementation

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Design of Harris Street Reconstruction	1	LS	\$ 450,000		\$ 450,000
2	Reconstruction of Harris Street from FM 1093 to 5th Street	1	LS	\$ 2,600,000		\$ 2,600,000
					SUBTOTAL:	\$ 3,050,000
					SUBTOTAL:	\$ 3,050,000
					SUBTOTAL:	\$ 3,050,000
Estimated Project Total:						\$ 3,050,000

			Prior Years Allocation	FY Project Allocation					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation									
Preliminary Engineering								\$ -	
Land/Right of Way								\$ -	
Design/Surveying		\$ 450,000						\$ 450,000	
Construction			\$ 2,600,000					\$ 2,600,000	
Equipment and Furniture								\$ -	
Contingency								\$ -	
Total Costs	\$ -	\$ 450,000	\$ 2,600,000	\$ -	\$ -	\$ -		\$ 3,050,000	

			Prior Year Funding	FY Projected Funding Source					Total
				FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources									
Utility Bonds								\$ -	
Operating Funds		\$ 225,000	\$ 2,600,000					\$ 2,825,000	
Connections Fees								\$ -	
Impact Fees								\$ -	
EDC		\$ 225,000						\$ 225,000	
Grant/Other CAD								\$ -	
Total Sources	\$ -	\$ 450,000	\$ 2,600,000	\$ -	\$ -	\$ -		\$ 3,050,000	

Notes: Fund 100 = Oper Funds, EDC Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

Streets & Traffic

Project Name:	Utility Relocate for Widening of FM 1463		
Project Number:	ST22C	Fiscal Year:	2022

Detailed Project Description:	Vicinity Map
<p>This project will cover payment to TxDOT for the City's portion of the Utility relocates for the FM1463 widening project. This will be paid through an Advanced Funding Agreement.</p>	
Detailed Project Drivers:	
<p>Associated utility relocates related to mobility; improvements to roadway.</p>	

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Utility Relocates	1	LS	\$ 290,000		\$ 290,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 290,000
						\$ -
					SUBTOTAL:	\$ 290,000
						\$ -
					SUBTOTAL:	\$ 290,000
					Estimated Project Total:	\$ 290,000

	Prior Years Allocation	FY Project Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation							
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction		\$ 290,000					\$ 290,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ 290,000

	Prior Year Funding	FY Projected Funding Source					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources							
Utility Bonds							\$ -
Operating Funds		\$ 290,000	\$ -				\$ 290,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Grant/Other CAD							\$ -
Total Sources	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ 290,000

Notes: Fund 100 = Oper Funds, EDC Funds



WATER

5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Project Summary

Project Code & Name		Funding Source	Description
W18H	Water Master Plan - Elevated Storage Tank	Utility Oper Funds (incl Cap Rec & Impact Fees)	This project includes the construction of a new 1.0 MG elevated storage tank in Pecan Ridge. The FY 21 Project began in FY21 with a preliminary siting. The design & construction will begin in FY22. This will be adjacent to the Fulshear's Water Plant No. 2 within the Pecan Ridge development area. This is a multi-year construction project.
W18J	Water Master Plan - West Fulshear - 12 and 16 Waterlines	Impact Fees/TBD Utility Bonds	This project has been updated from FY21. After the water and wastewater master plan review the location of needed waterlines has been better defined. This project consists of the construction of a new 16-inch line through the Del Webb Community to the future Water Plant No. 2 connecting the existing 16-inch line in Polo Ranch to the new water plant, the construction of a new 12-inch line along future roads in Pecan Ridge connecting Water Plant No. 2 and FM 359 water line, and the construction of a 12-inch water line south connecting existing 8-inch lines in Polo Ranch to the 16-inch along FM 1093.
W20A	CCR Water Plant #1 System Rehabilitation and Upgrades	CCR Capital Reserves Fund	FY20 project will include rehabilitation of water plant piping and related appurtenances. In addition, this project will provide for upgrades to the existing SCADA system. SCADA system implementation will roll over into FY22.
W21B	Water Master Plan - Water Plant No. 2	Utility Oper Funds (incl Cap Rec & Impact Fees)	FY 21 began siting for the 4.0 MGD Water Plant. Project will include design of the City of Fulshear's Water Plant No. 2 will begin design and construction in FY 22. The project includes: 4MGD Groundwater Well, 5.75MGD Pump Station, 1.5 MG Ground Storage Tank, and associated site work and piping.
W21D	Water meter updates COF/CCR	Utility Oper Funds & CCR Reserve Funds	Replace all 6,000 water meters over the next three years. Year one, replace approximate 1,300 water meters. Year two, replace 2,350 and complete the project in year three with the remaining 2,350 water meters. This project will also update the current meter reading system with more up to date capabilities.
W22A	Water Master Plan - Service Pumps and Storage at Water Plan No. 1	Impact Fees/TBD Utility Bonds	This project includes construction of additional 3.0 MGD service pumping capacity at the Fulshear Water Plant No. 1 site. The project also includes construction of a 0.5 MG ground storage tank on site and replacing the existing 10-inch line along the Leyendecker Road to Huggins Road with a 16-inch water line.
W22B	Water Master Plan - Huggins Road Waterline	Impact Fees/TBD Utility Bonds	This project consists of the construction of a 16-inch water line along Huggins Road extending west to FM 359 and east to Katy Fulshear Rd.
W22C	Water Master Plan - James Lane Waterline	Impact Fees/TBD Utility Bonds	This project consists of the construction of a new 12-inch transmission line along James Lane from FM 1093 to Meadow Wood Drive.
W22D	Water Master Plan - Katy-Fulshear and McKinnon Waterlines	Impact Fees/TBD Utility Bonds	This project consists of the construction of a new 16-inch Transmission Line along Katy-Fulshear Road from Huggins Drive to FM 1093. This project also includes the construction of a new 12-inch line from FM 1093 to McKinnon Rd connecting to existing water system and also constructing a 12-inch extension towards east along McKinnon Road.
W22E	Water Master Plan - Tamarron West Water Plant Expansion	Impact Fees/TBD Utility Bonds	This project includes the construction of additional supply capacity at the Tamarron West Water Plant. In order meet TCEQ requirements the groundwater well should be designed to produce approximately 4.0 MGD.
W22F	Water Master Plan - 12-inch Waterline from McKinnon to FM 1093	Impact Fees/TBD Utility Bonds	This project consists of the construction of a new 12-inch water line from McKinnon Road to FM 1093.
W22G	CCR Water Plant 1 and 3 Air Strippers	CCR Capital Reserves Fund	This project include installation of air strippers to mitigate Hydrogen Sulfide from the wells at CCR Water Plant No. 1 and Water Plant No. 3.
W22H	Polyphosphate feed systems project	Utility Fund/CCR Reserve Funds	Add permanent polyphosphate feed systems at all water plants. This project provides the housing for pumping equipment, necessary electrical & controls and 300 gallons of storage at each water plant.
W22I	Water rate and impact fee study	Utility Funds	This project will review the City of Fulshear's current impact fee and water rates to determine if they are in line with current industry standards. This study will also evaluate rates based on potential bonding of future projects

Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation. Undetermined funding sources may include existing fund balances, operational participation, developer participation, EDC participation, etc.

Project Code	Prior Years funding	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTALS
W18H	\$ -	\$ 3,737,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,737,500
W21B	\$ -	\$ 1,762,470	\$ 13,055,300	\$ -	\$ -	\$ -	\$ -	\$ 14,817,770
W21D	\$ -	\$ 494,000	\$ 893,000	\$ 893,000	\$ -	\$ -	\$ -	\$ 2,280,000
W22A	\$ -	\$ 4,739,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,739,200
W22G	\$ -	\$ 598,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 598,000
W22H	\$ -	\$ 701,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 701,400
W22I	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
TOTALS	\$ -	\$ 12,107,570	\$ 16,528,300	\$ 3,269,000	-	\$ -	\$ -	\$ 40,886,670



City of Fulshear

2022 - 2026 Capital Improvement Program

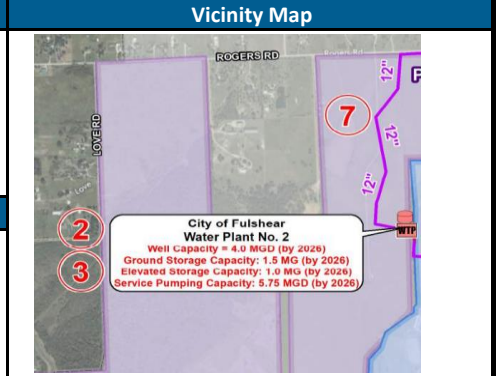
Water

Project Name: 1.0 MG Elevated Storage Tank

Project Number: W18H **Fiscal Year:** 2022

Detailed Project Description:

This project includes the construction of a new 1.0 MG elevated storage tank in Pecan Ridge.



Detailed Project Drivers:

This project will serve growth in the city and provide elevated storage capacity to meet TCEQ requirement of 100 gallons per connection. Growth in development; necessary for capacity and fire flow demands.

Capital Improvement Cost Estimate* May 14, 2021

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	1.0 MG Elevated Storage Tank	1	LS	\$ 2,500,000	\$ 2,500,000
				SUBTOTAL:	\$ 2,500,000
Contingency				30%	\$ 750,000
				SUBTOTAL:	\$ 3,250,000
Eng./Survey				15%	\$ 487,500
				SUBTOTAL:	\$ 3,737,500
Estimated Project Total:					\$ 3,737,500

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Land/Right of Way							\$ -
Preliminary Engineering							\$ -
Design/Surveying	\$ 100,000	\$ 387,500					\$ 487,500
Construction		\$ 3,250,000					\$ 3,250,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ 100,000	\$ 3,637,500	\$ -	\$ -	\$ -	\$ -	\$ 3,737,500

FY Projected Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds		\$ 3,637,500					\$ 3,637,500
Operating Funds	\$ 100,000						\$ 100,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ 100,000	\$ 3,637,500	\$ -	\$ -	\$ -	\$ -	\$ 3,737,500

Notes:



City of Fulshear

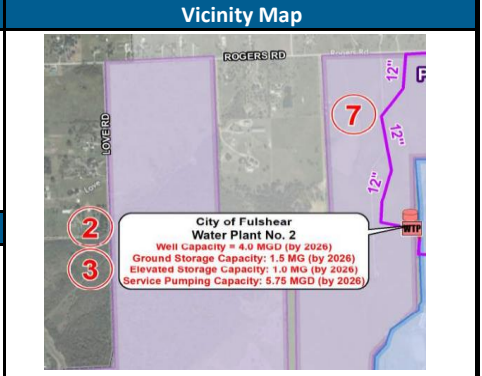
2022 - 2026 Capital Improvement Program

Water

Project Name: New Water Plant No. 2

Project Number: W21B **Fiscal Year:** 2022

Detailed Project Description:
 This project includes the construction of a new water plant (Water Plant No. 2) on a designated parcel in the Pecan Ridge development. In order meet TCEQ requirements the groundwater well should be designed to produce approximately 4.0 MGD. The project also includes construction of a 1.5 MG ground storage tank and 5.75 MGD pump station.



Detailed Project Drivers:
 A parcel has been designated in the Pecan Ridge development for construction of a water plant (Water Plant No. 2). This project will provide increased water supply to meet city-wide maximum day water demands. Preliminary Design will develop a phased final design and construction plan

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	4 MGD Groundwater Well	1	LS	\$ 4,000,000	\$ 4,000,000
2	Pump Station - New 5.75 MGD	1	LS	\$ 3,392,500	\$ 3,392,500
3	1.5 MG Ground Storage Tank	1	LS	\$ 2,400,000	\$ 2,400,000
4	Water Plant Site Work & Yard Piping	1	LS	\$ 250,000	\$ 250,000
SUBTOTAL:					\$ 10,042,500
				Contingency 30%	\$ 3,012,800
SUBTOTAL:					\$ 13,055,300
				Eng./Survey 15%	\$ 1,958,300
SUBTOTAL:					\$ 15,013,600
Estimated Project Total:					\$ 15,013,600

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Land/Right of Way							\$ -
Preliminary Engineering	\$ 195,830						\$ 195,830
Design/Surveying		\$ 1,762,470					\$ 1,762,470
Construction			\$ 13,055,300				\$ 13,055,300
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ 195,830	\$ 1,762,470	\$ 13,055,300	\$ -	\$ -	\$ -	\$ 15,013,600

Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2021	FY2022	FY2023	FY2024	FY2025	
Utility Fund/Bonds	\$ 195,830	\$ 1,762,470	\$ 13,055,300				\$ 15,013,600
Operating Funds							\$ -
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ 195,830	\$ 1,762,470	\$ 13,055,300	\$ -	\$ -	\$ -	\$ 15,013,600


Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

Water

Project Name:	Water Meter and Reading System Program		
Project Number:	W21D	Fiscal Year:	2022
Detailed Project Description:		Vicinity Map	
<p>Replace 6,000 water meters over the next three years. Year one, replace approximate 1,300 water meters. Year two, replace 2,350 and complete the project in year three with the remaining 2,350 water meters. This project will also update the current meter reading system with an improved operating system for Utility Services. Over the life of this project, 70% of replacements will occur in CCR and the remaining 30% will be part of the CoF system.</p>			
Detailed Project Drivers:			
longevity of meter operation; improved operating system			

Capital Improvement Cost Estimate*						
Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Replace 1,300 Water Meters	1,300		\$ 315		\$ 409,500
2	Replace 2,350 Water Meters	2,350		\$ 315		\$ 740,250
3	Replace 2,350 Water Meters	2,350		\$ 315		\$ 740,250
4	Construct/Labor	1,300		\$ 65		\$ 84,500
5	Construct/Labor	2,350		\$ 65		\$ 152,750
6	Construct/Labor	2,350		\$ 65		\$ 152,750
					SUBTOTAL:	\$ 2,280,000
				Contingency	0%	
					SUBTOTAL:	\$ 2,280,000
				Eng./Survey	0%	
					SUBTOTAL:	\$ 2,280,000
Estimated Project Total:						\$ 2,280,000

		Prior Years Allocation	FY Project Allocation					Total
			FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation								
Design/Surveying							\$ -	
Construction/Labor			\$ 84,500	\$ 152,750	\$ 152,750		\$ 390,000	
Equipment			\$ 409,500	\$ 740,250	\$ 740,250		\$ 1,890,000	
Contingency							\$ -	
Total Costs		\$ -	\$ 494,000	893,000	\$ 893,000	\$ -	\$ 2,280,000	
Funding Sources		Prior Year Funding	FY Projected Funding Source					Total
			FY2022	FY2023	FY2024	FY2025	FY2026	
Operating Funds							\$ -	
CCR Capital Improvement Project Fund 551			\$ 444,600	\$ 575,700	\$ 575,700		\$ 1,596,000	
Utility Funds			\$ 49,400	\$ 317,300	\$ 317,300		\$ 684,000	
Impact Fees							\$ -	
EDC							\$ -	
Total Sources		\$ -	\$ 494,000	\$ 893,000	\$ 893,000	\$ -	\$ 2,280,000	

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

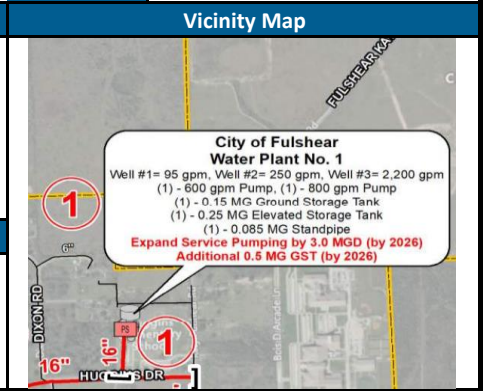
Water

Project Name: Downtown Water Plant No. 1 - 3.0 MGD Booster Pumping Expansion, 0.5 MG Ground Storage Tank, and 16-inch Water Line

Project Number: W22A **Fiscal Year:** 2022

Detailed Project Description:

This project includes construction of additional 3.0 MGD service pumping capacity at the Fulshear Water Plant No. 1 site. The project also includes construction of a 0.5 MG ground storage tank on site and replacing the existing 10-inch line along the Leyendecker Road to Huggins Road with a 16-inch water line.



Detailed Project Drivers:

This project will be required to meet existing and future service pumping and storage capacity needs.

Capital Improvement Cost Estimate* May 14, 2021

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price	Total	
1	Pump Station - New 3.0 MGD	1	LS	\$ 1,770,000	\$ 1,770,000	
2	0.5 MG Ground Storage Tank	1	LS	\$ 800,000	\$ 800,000	
3	Water Plant Site Work & Yard Piping	1	LS	\$ 250,000	\$ 250,000	
4	16-inch Water Line & Appurtenances	750	LF	\$ 200	\$ 150,000	
5	Emergency Backup pump and motor	1	LS	\$ 200,000	\$ 200,000	
SUBTOTAL:					\$ 3,170,000	
				Contingency	30%	\$ 951,000
SUBTOTAL:					\$ 4,121,000	
				Eng./Survey	15%	\$ 618,200
SUBTOTAL:					\$ 4,739,200	
Estimated Project Total:					\$ 4,739,200	

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Land/Right of Way						\$ -	
Preliminary Engineering						\$ -	
Design/Surveying		\$ 618,200				\$ 618,200	
Construction		\$ 4,121,000				\$ 4,121,000	
Total Costs	\$ -	\$ 4,739,200	\$ -	\$ -	\$ -	\$ 4,739,200	

Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds		\$ 4,739,200				\$ 4,739,200	
Operating Funds							
Connections Fees							
Impact Fees							
EDC							
Total Sources	\$ -	\$ 4,739,200	\$ -	\$ -	\$ -	\$ 4,739,200	

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

Water

Project Name: CCR Water Plant No. 1 and Water Plant No. 3 Air Stripper Installation

Project Number: W22G **Fiscal Year:** 2022

Detailed Project Description:

This project include installation of air strippers to mitigate Hydrogen Sulfide from the wells at CCR Water Plant No. 1 and Water Plant No. 3.



Detailed Project Drivers:

CCR Water Plant No. 1 and Water Plant No. 3 wells are experiencing sulfur smell in water. Air strippers will help strip off Hydrogen Sulfide from the wells.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total
1	New Air Stripper Installation	2	LS	\$200,000.00	\$ 400,000
SUBTOTAL:					\$ 400,000
				Contingency	30% \$ 120,000
SUBTOTAL:					\$ 520,000
				Eng./Survey	15% \$ 78,000
SUBTOTAL:					\$ 598,000
Estimated Project Total:					\$ 598,000

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		Total Budget	FY2022	FY2023	FY2024	FY2025	
Land/Right of Way							\$ -
Preliminary Engineering							\$ -
Design/Surveying		\$ 78,000					\$ 78,000
Construction		\$ 520,000					\$ 520,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 598,000	\$ -	\$ -	\$ -	\$ -	\$ 598,000

Funding Sources	Prior Year Allocation	FY Projected Funding Sources					Total
		Total Budget	FY2022	FY2023	FY2024	FY2025	
Utility Bonds		\$ 598,000	\$ -	\$ -	\$ -	\$ -	\$ 598,000
Operating Funds							
Connections Fees							
Impact Fees							
EDC							
Total Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 598,000

Notes:



City of Fulshear

2021 - 2025 Capital Improvement Program

Water

Project Name: Polyphosphate Feed System

Project Number: W22H **Fiscal Year:** 2022

Detailed Project Description: Add permanent polyphosphate feed systems at all water plants. This project provides the housing for pumping equipment, necessary electrical & controls and 300 gallons of storage at each water plant. 75% of this project is in CCR



Detailed Project Drivers: The Iron and Manganese in our ground water supply taints our water supply with a reddish rust color. Adding polyphosphates sequesters iron and manganese eliminating the formation of red water. Currently we are in the process of installing a temporary polyphosphate feed system at all city water plants with conditional approval from Texas Commission on Environmental Quality to provide immediate relief until a permanent system can be designed and installed through the Capital Improvement Program.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Cross Creek Ranch Water Plant 1	1		\$ 133,000		\$ 133,000
2	Cross Creek Ranch Water Plant 2	1		\$ 128,000		\$ 128,000
3	Cross Creek Ranch Water Plant 3	1		\$ 128,000		\$ 128,000
4	City of Fulshear Water Plant 1	1		\$ 129,000		\$ 129,000
1	Construct/Labor - CCR	3		\$ 37,500		\$ 112,500
1	Construct/Labor - CoF	1		\$ 37,500		\$ 37,500
SUBTOTAL:						\$ 668,000
				Contingency	5%	\$ 33,400
SUBTOTAL:						\$ 701,400
				Eng./Survey	0%	\$ -
SUBTOTAL:						\$ 701,400
Estimated Project Total:						\$ 701,400

	Prior Years Allocation	FY Project Allocation					
		FY2022	FY2023	FY2024	FY2025	FY2026	Total
Project Costs Allocation							
Construction/Labor - CCR		\$ 112,500					\$ 112,500
Construction/Labor - CoF		\$ 37,500					\$ 37,500
Equipment - CCR		\$ 389,000					\$ 389,000
Equipment - CoF		\$ 129,000					\$ 129,000
Contingency - CCR		\$ 25,050					\$ 25,050
Contingency - CoF		\$ 8,350					\$ 8,350
Total Costs	\$ -	\$ 701,400	\$ -	\$ -	\$ -	\$ -	\$ 701,400

	Prior Year Funding	FY Projected Funding Source					
		FY2021	FY2022	FY2023	FY2024	FY2025	Total
Funding Sources							
Utility Bonds (Funds)		\$ 174,850					\$ 174,850
CCR Capital Improvement Project Fund 551		\$ 526,550					\$ 526,550
Total Sources	\$ -	\$ 701,400	\$ -	\$ -	\$ -	\$ -	\$ 701,400

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

Water

Project Name:	Water Impact Fee Update and Rate Study		
Project Number:	W22I	Fiscal Year:	2022
Detailed Project Description:		Vicinity Map	
<p>This project will review the City of Fulshear's current impact fee and water rates to determine if they are in line with current industry standards. The analysis will provide the recommended fees/rates for City Council consideration.</p>			
Detailed Project Drivers:			
<p>Provide for appropriate funding for ongoing utility operations and maintenance (rates) & future City infrastructure that is needed to accommodate current and future demands (rates/fees). Funding opportunities: Texas Water Development Board/Bonds</p>			

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Impact Fee and Rate Study	1	LS	\$ 75,000	\$ 75,000
				SUBTOTAL:	\$ 75,000
				Contingency	0%
				SUBTOTAL:	\$ 75,000
				Eng./Survey	0%
				SUBTOTAL:	\$ 75,000
				Estimated Project Total:	\$ 75,000

	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation							
Preliminary Engineering		\$ 75,000					\$ 75,000
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction							\$ -
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources							
Utility Bonds							\$ -
Utility Funds		\$ 75,000					\$ 75,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Notes:



WASTEWATER

5-Year Capital Improvement Plan

City of Fulshear, Texas
May 31, 2021

Project Summary

Project Code	Project Name	Funding Source	Description
WW18A	Wastewater System Management Program	Utility Oper Funds/ CCR Capital Reserves Fund	This is an annual heavy maintenance program that will identify specific improvements for the Wastewater System. FY22 project will include jetting and vacuuming of 10,000 linear feet of sewer main and the replacement of 4 lift pumps in CCR (98% CCR Cap Reserves/2% Utility Fund)
WW18B	Wastewater System Maintenance Equipment	Oper. Funds/Fund Bal. Utility Funds	This project will be used to acquire heavy equipment necessary for wastewater system maintenance needs around the City.
WW18H	Wastewater Master Plan Project - West Fulshear Lift Station Expansion	Impact Fees/Utility Funds/TBD Utility Bond	West Fulshear Lift Station (Located at the entrance to Polo Ranch) will be upgraded to 1.6 MGD capacity for future growth of West Fulshear Area.
WW21B	Wastewater System Expansion - City of Fulshear WWTP	Utility Oper Funds (incl Cap Rec & Impact Fees)/TBD Utility Bonds	This project will expand the existing WWTP in Old Town Fulshear Construction to begin in FY 21, but will span into FY22. Project is needed to accommodate development along the FM 359 corridor.
WW21F	CCR WWTP Upgrades	CCR Capital Reserves Fund	This project will upgrade the existing all weather road that continually needs maintenance due to heavy truck traffic within the plant.
WW21G	WWTP Odor Control	CCR Capital Reserves Fund/Utility Funds	Install new odor control at Lift Stations 1 and 3. This project will be completed in two phases. Phase I was completed in FY21 and was used as an interim measure while Phase II was designed and constructed. Phase II is under design and construction is scheduled for FY22 (50% CCR Cap Reserves/50% Utility Funds)
WW22A	Wastewater Master Plan Project - Downtown WWTP Capacity Expansion	Impact Fees/Utility Funds/TBD Utility Bond	This project consists of the expansion of the existing 0.7 MGD Downtown WWTP to 1.1 MGD as well as additional infrastructure for peak flow management. The construction cost is for the installation of a rental unit.
WW22B	Wastewater Master Plan Project - 1 MGD WWTP at CCR Site	Impact Fees/Utility Funds/TBD Utility Bond	This project consists of the construction of a new 1.0 MGD WWTP at the CCR site. This project will be expandable to 2.0 MGD.
WW22C	Wastewater Master Plan Project - Downtown WWTP Diversion Lift Station and 18-inch Force Main	Impact Fees/Utility Funds/TBD Utility Bond	This project consists of the construction of a new diversion lift station with 3.5 MGD firm pumping capacity. This project will be expandable to 7.0 MGD. This project also includes construction of an 18-inch force main along FM 1093 from the diversion lift station to the East Fulshear WWTP.
WW22D	Wastewater Master Plan Project - Lift Station 11 (Wallis at Main) Capacity Expansion to 1.2MGD	Impact Fees/Utility Funds/TBD Utility Bond	This project consists of the construction of an expansion of the existing Lift Station 11 pumping to 1.2 MGD capacity. Lift Station 11 is located near the intersection of Wallis Street and Main Street.
WW22E	Wastewater Master Plan Project - New Lift Station, 12-inch Force Main, and Capacity at Tamarron West WWTP	Impact Fees/Utility Funds/TBD Utility Bond	This project includes the construction of a new 0.6 MGD lift station at Rodgers Road and FM 359 intersection and a 12-inch force main to the Tamarron West WWTP. This project also includes construction of 0.6 MGD treatment capacity at the Tamarron West WWTP.
WW22F	WW Rate and Impact Fee Study	Utility Funds	This project will review the City of Fulshear's current impact fee and wastewater rates to determine if they are in line with current industry standards.
WW22G	Install Quick Connects at CCR lift stations and Install of Generator	CCC Capital Reserve Fund	This project will install Quick Connects (3) at lift stations in Cross Creek Ranch that are currently not equipped. Quick Connects allow for expedited connection of the lift station to back up generator power. This project also includes the addition of a permanent generator at the Morgan Spur at Cross Creek Bend lift station.
WW22H	Install Quick Connects at CoF lift stations and Install of Generator	Utility Funds	This project will install Quick Connects (5) at lift stations on the City of Fulshear wastewater system that are currently not equipped. Quick Connects allow for expedited connection of the lift station to back up generator power. This project also includes the addition of a permanent generator at FM1093 at Katy Fulshear Road.

Please Note: All figures below are estimates as of 2021 and are in 2021 dollars not adjusted for inflation.

Undetermined funding sources may include existing fund balances, operational funds, developer participation, EDC participation, etc.

Project Code	Prior Years Funding	FY22	FY23	FY24	FY25	FY26	Beyond FY26	TOTALS
WW18A	\$ -	\$ 88,800	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ 488,800
WW18B	\$ -	\$ 110,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ 510,000
WW18H	\$ -	\$ 67,500	\$ 449,800	\$ -	\$ -	\$ -	\$ -	\$ 517,300
WW21F	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
WW21G	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
WW22A	\$ -	\$ 1,883,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,883,700
WW22B	\$ -	\$ 243,750	\$ 2,193,750	\$ 16,250,000	\$ -	\$ -	\$ -	\$ 18,687,500
WW22C	\$ -	\$ 108,810	\$ 979,290	\$ 7,253,800	\$ -	\$ -	\$ -	\$ 8,341,900
WW22D	\$ -	\$ 53,100	\$ 353,600	\$ -	\$ -	\$ -	\$ -	\$ 406,700
WW22E	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
WW22G	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 145,000
WW22H	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000
TOTALS	\$ -	\$ 3,590,660	\$ 5,141,540	\$ 30,384,400	\$ 1,599,100	\$ 1,674,100	\$ -	\$ 42,389,800



City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name: Wastewater Maintenance Management System

Project Number: WW18A **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

Sewer Collection System Maintenance. Clean and vacuum 10,000 linear feet of sewer main. Replace 4 lift pumps in Cross Creek Ranch Lift Stations. Install process control cabinets at CCR-WWTP. (98% CCR Cap)



Detailed Project Drivers:

Provide preventative maintenance of the sewer collection system by cleaning and vacuuming 10,000 linear feet of sewer main. Proactively cleaning sewer main lines prevents sewer stoppages from occurring. Replacing (4) lift pumps in Cross Creek Ranch lift stations purchase and install process control cabinets.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total
1	Jet, Clean and Vacuum 10,000 LF of sewer main in CCR	10,000		\$ 2.44	\$ 24,400
2	Lift Pumps (4) CCR	4		\$ 15,000	\$ 60,000
3	Process Control Cabinet	2		\$ 2,200	\$ 4,400
4					
SUBTOTAL:					\$ 88,800
				Contingency	0%
SUBTOTAL:					\$ 88,800
				Eng./Survey	0%
SUBTOTAL:					\$ 88,800
Estimated Project Total:					\$ 88,800


		Prior Years Allocation	FY Project Allocation					
Project Costs Allocation			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Preliminary Engineering								\$ -
Land/Right of Way								\$ -
Design/Surveying								\$ -
Construction - CCR			\$ 86,600					\$ 86,600
Construction - CoF			\$ 2,200					\$ 2,200
Total Costs		\$ -	\$ 88,800	-	\$ -	\$ -	\$ -	\$ 88,800
		Prior Year Funding	FY Projected Funding Source					
Funding Sources			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Utility Funds			\$ 2,200					\$ 2,200
CCR Capital Improvement Project Fund 551			\$ 86,600					\$ 86,600
Total Sources		\$ -	\$ 88,800	-	\$ -	\$ -	\$ -	\$ 88,800

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name:	Wastewater System Maintenance Equipment		
Project Number:	WW18B	Fiscal Year:	2022
Detailed Project Description:		Vicinity Map	
This will be for the purchase of a Ford F-350 (or equivalent) outfitted with a utility service bed and crane.			
Detailed Project Drivers:			
Provide for transportation of equipment and tools to job sites. Crane will be used to lift heavy equipment such as pumps, manhole covers, etc.			

Capital Improvement Cost Estimate*						
Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Utility Bed Truck with Crane	1	EA	\$ 110,000.00		\$ 110,000
						\$ -
						\$ -
				SUBTOTAL:		\$ 110,000
				Contingency	0%	
				SUBTOTAL:		\$ 110,000
				Eng./Survey	0%	
				SUBTOTAL:		\$ 110,000
Estimated Project Total:						\$ 110,000

		Prior Years Allocation	FY Project Allocation					
Project Costs Allocation			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Preliminary Engineering								\$ -
Land/Right of Way								\$ -
Design/Surveying								\$ -
Purchase			\$ 110,000					\$ 110,000
Construction								\$ -
Total Costs		\$ -	\$ 110,000	-	\$ -	\$ -	\$ -	\$ 110,000
		Prior Year Funding	FY Projected Funding Source					
Funding Sources			FY2022	FY2023	FY2024	FY2025	FY2026	Total
Utility Funds			\$ 110,000					\$ 110,000
CCR Capital Improvement Project Fund 551								\$ -
Connections Fees								\$ -
Impact Fees								\$ -
EDC								\$ -
Total Sources		\$ -	\$ 110,000	-	\$ -	\$ -	\$ -	\$ 110,000

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

Wastewater

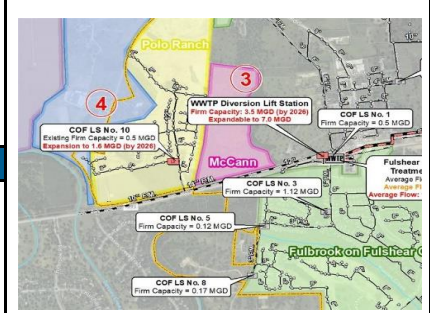
Project Name: Lift Station 10 Capacity Expansion

Project Number: WW18H **Fiscal Year:** 2022

Detailed Project Description:

This project consists of the construction of an expansion of the existing LS 10 pumping to 1.6 MGD capacity.

Vicinity Map



Detailed Project Drivers:

The existing Lift Station 10 require a capacity expansion to serve anticipated growth to the west side of the City to serve Polo Ranch and Del Webb developments. The existing wet well (10-ft Diameter and 30-ft depth) and 10-inch force main have available capacity to serve projected future flows. The costs include new pumps and electrical.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Lift Station Expansion to 1.6 MGD	1	LS	\$ 346,000	\$ 346,000
SUBTOTAL:					\$ 346,000
				Contingency	30%
					\$ 103,800
SUBTOTAL:					\$ 449,800
				Eng./Survey	15%
					\$ 67,500
SUBTOTAL:					\$ 517,300
Estimated Project Total:					\$ 517,300

FY Projected Allocation	Prior Year Allocation	FY2022	FY2023	FY2024	FY2025	FY2026	Total
Project Costs Allocation							
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying		\$ 67,500					\$ 67,500
Construction			\$ 449,800				\$ 449,800
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 67,500	\$ 449,800	\$ -	\$ -	\$ -	\$ 517,300

FY Projected Funding Sources	Prior Year Funding	FY2022	FY2023	FY2024	FY2025	FY2026	Total
Funding Sources							
Utility Bonds		\$ 67,500	\$ 449,800				\$ 517,300
Operating Funds							\$ -
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 67,500	\$ 449,800	\$ -	\$ -	\$ -	\$ 517,300

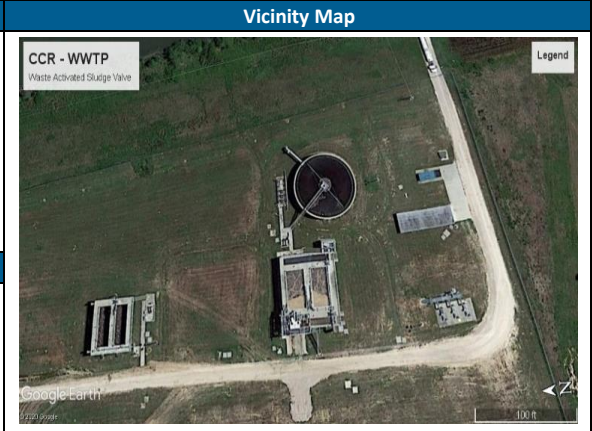
Notes:



City of Fulshear
2022 - 2026 Capital Improvement Program
Wastewater

Project Name: CCR WWTP Driveway and Drainage Improvements
Project Number: WW21F **Fiscal Year:** 2022

Detailed Project Description:
 Install new driveway at CCR WWTP.



Detailed Project Drivers:
 Current driveway is dirt/gravel. Creates issues with heavy equipment maneuvering to deliver supplies to the WWTP after rain events. Improve drainage needs with new driveway.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost						
Item	Description	Quantity	Unit	Unit Price		Total
1	Driveway	1	LF	\$ 200,000		\$ 200,000
2	Drainage	1	EA	\$ 50,000		\$ 50,000
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 250,000
				Contingency	30%	
					SUBTOTAL:	\$ 250,000
				Eng./Survey	20%	
					SUBTOTAL:	\$ 250,000
				Estimated Project Total:		\$ 250,000

FY Projected Allocation

Project Costs Allocation	Prior Years Allocation	FY2022	FY2023	FY2024	FY2025	FY2026	Total Project Costs
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying		\$ 40,000					\$ 40,000
Construction		\$ 165,000					\$ 165,000
Equipment and Furniture							\$ -
Contingency		\$ 45,000					\$ 45,000
Total Costs	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

FY Projected Funding Sources

Funding Sources	Prior Years Funding	FY2022	FY2023	FY2024	FY2025	FY2026	Total Funding
Utility Bonds							\$ -
CCR Capital Project Fund 551		\$ 250,000					\$ 250,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Notes:



City of Fulshear
2022 - 2026 Capital Improvement Program
Wastewater

Project Name: Lift Station Odor Control Improvement

Project Number: WW21G **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

Install new odor control at Lift Stations 1 and 3. This project will be for the construction of the long term solutions for odor control at the lift stations. Lift Station 1 is located in Cross Creek Ranch near Morgan Spur and Cross Creek Bend and Lift Station 3 is located at 5411 Lake Hill Farm Way.



Detailed Project Drivers:

Install odor control at Lift Station 1 and 3. To prevent odor from escaping the containment of the lift station wet well and causing an odor nuisance.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price		Total
1	Odor Control Units	2	EA	\$ 200,000		\$ 400,000
					SUBTOTAL:	\$ 400,000
				Contingency	0%	
					SUBTOTAL:	\$ 400,000
				Eng./Survey	0%	
					SUBTOTAL:	\$ 400,000
					Estimated Project Total:	\$ 400,000

FY Projected Allocation

Project Costs Allocation	Prior Years Allocation	FY2022	FY2023	FY2024	FY2025	FY2026	Total Project Costs
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction		\$ 400,000					\$ 400,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000

FY Projected Funding Sources

Funding Sources	Prior Years Funding	FY2022	FY2023	FY2024	FY2025	FY2026	Total Funding
Utility Funds		\$ 200,000					\$ 200,000
CCR Capital Improvement Project Fund 551		\$ 200,000					\$ 200,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000

Notes: 50% CCR Cap Reserves/50% Utility Funds



City of Fulshear

2022 - 2026 Capital Improvement Program

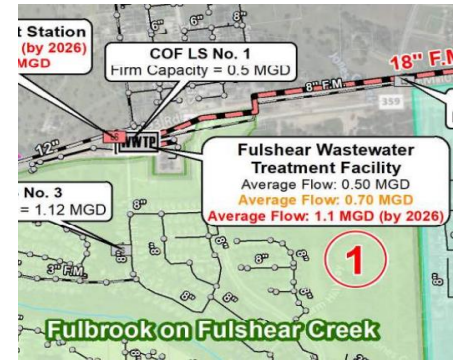
Wastewater

Project Name: Downtown WWTP Capacity Expansion to 1.1 MGD

Project Number: WW22A **Fiscal Year:** 2022

Detailed Project Description: **Vicinity Map**

This project consists of the expansion of the existing 0.7 MGD Downtown WWTP to 1.1 MGD as well as additional infrastructure for peak flow management. The construction cost is for the installation of a rental unit.



Detailed Project Drivers:

This project will provide additional treatment capacity for near term growth within the City of Fulshear system.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total	
1	0.4 MGD WWTP Expansion	1	LS	\$1,260,000	\$ 1,260,000	
SUBTOTAL:					\$ 1,260,000	
				Contingency	30%	\$ 378,000
SUBTOTAL:					\$ 1,638,000	
				Eng./Survey	15%	\$ 245,700
SUBTOTAL:					\$ 1,883,700	
Estimated Project Total:					\$ 1,883,700	

Additional costs would include \$150,000 per year rent for the unit

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying		\$ 245,700					\$ 245,700
Construction		\$ 1,638,000					\$ 1,638,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 1,883,700	\$ -	\$ -	\$ -	\$ -	\$ 1,883,700

Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds		\$ 1,883,700					\$ 1,883,700
Operating Funds				\$ -	\$ -		\$ -
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 1,883,700	\$ -	\$ -	\$ -	\$ -	\$ 1,883,700

Notes:

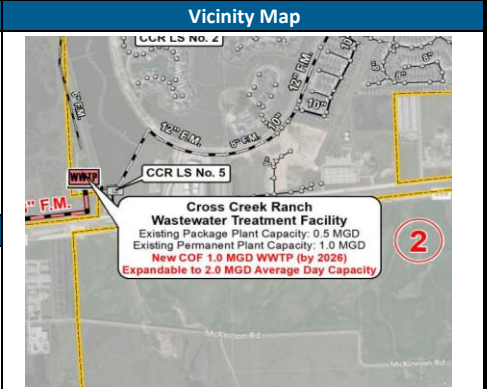


City of Fulshear
2022 - 2026 Capital Improvement Program
Wastewater

Project Name:	New 1.0 MGD East Fulshear WWTP at CCR Site		
Project Number:	WW22B	Fiscal Year:	2022

Detailed Project Description:

This project consists of the construction of a new 1.0 MGD WWTP at the Cross Creek Ranch (CCR) Wastewater Treatment Plant (WWTP) site. This project will be expandable to 2.0 MGD. This 2.0 MGD plant will be a City of Fulshear facility, separately constructed adjacent to the CCR WWTP, a 2.0 MGD plant. The two plants will outfall effluent to the same polishing pond. The two plants will operate independently of each other.



Detailed Project Drivers:

The projected wastewater flows in the City is projected to exceed the Downtown WWTP's expanded 1.1 MGD capacity. This project will be required to treat excess flows in the City's system. Increased capacity for new growth and development necessitate this project.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost

Item	Description	Quantity	Unit	Unit Price	Total
1	1.0 MGD WWTP	1	LS	\$12,500,000	\$ 12,500,000
				SUBTOTAL:	\$ 12,500,000
				Contingency	30%
				SUBTOTAL:	\$ 16,250,000
				Eng./Survey	15%
				SUBTOTAL:	\$ 18,687,500
Estimated Project Total:					\$ 18,687,500

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering		\$ 243,750					\$ 243,750
Land/Right of Way							\$ -
Design/Surveying			\$ 2,193,750				\$ 2,193,750
Construction				\$ 16,250,000			\$ 16,250,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 243,750	\$ 2,193,750	\$ 16,250,000	\$ -	\$ -	\$ 18,687,500

Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds		\$ 243,750	\$ 2,193,750	\$ 16,250,000			\$ 18,687,500
Operating Funds							\$ -
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 243,750	\$ 2,193,750	\$ 16,250,000	\$ -	\$ -	\$ 18,687,500

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program

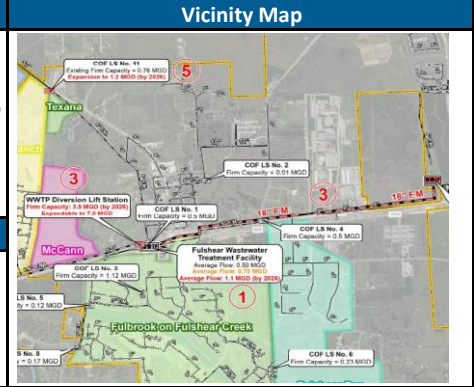
Wastewater

Project Name: 3.5 MGD Downtown WWTP Diversion Lift Station and 18-inch Force Main

Project Number: WW22C **Fiscal Year:** 2022

Detailed Project Description:

This project consists of the construction of a new diversion lift station with 3.5 MGD firm pumping capacity. This project will be expandable to 7.0 MGD. This project also includes construction of an 18-inch force main along FM 1093 from the diversion lift station to the East Fulshear WWTP.



Detailed Project Drivers:

The existing City of Fulshear WWTP is located on a site that does not have sufficient room for future expansion to serve anticipated growth within the City. This project will divert excess flows from the existing WWTP to the East Fulshear Regional WWTP.

Capital Improvement Cost Estimate* May 4, 2020

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	3.5 MGD Lift Station	1	LS	\$ 2,170,000	\$ 2,170,000
2	18" Force Main < 8 feet deep	9,500	LF	\$ 270	\$ 2,565,000
3	32" Boring and Casing	1,200	LF	\$ 704	\$ 844,800
SUBTOTAL:					\$ 5,579,800
				Contingency	30%
					\$ 1,674,000
SUBTOTAL:					\$ 7,253,800
				Eng./Survey	15%
					\$ 1,088,100
SUBTOTAL:					\$ 8,341,900
Estimated Project Total:					\$ 8,341,900

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Preliminary Engineering		\$ 108,810					\$ 108,810	
Land/Right of Way							\$ -	
Design/Surveying			\$ 979,290				\$ 979,290	
Construction				\$ 7,253,800			\$ 7,253,800	
Equipment and Furniture							\$ -	
Contingency							\$ -	
Total Costs	\$ -	\$ 108,810	\$ 979,290	\$ 7,253,800	\$ -	\$ -	\$ 8,341,900	

Funding Sources	Prior Year Funding	FY Projected Funding Sources						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Utility Bonds		\$ 108,810	\$ 979,290	\$ 7,253,800			\$ 8,341,900	
Operating Funds							\$ -	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Total Sources	\$ -	\$ 108,810	\$ 979,290	\$ 7,253,800	\$ -	\$ -	\$ 8,341,900	

Notes:



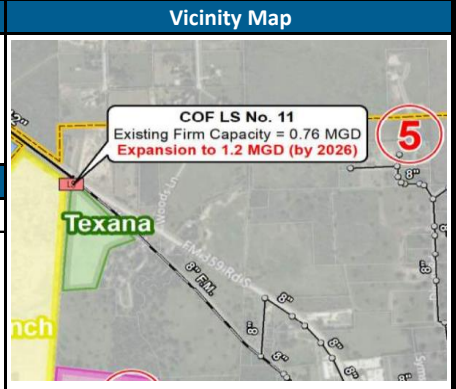
City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name: Lift Station 11 Capacity Expansion to 1.2 MGD

Project Number: WW22D **Fiscal Year:** 2022

Detailed Project Description:
This project consists of the construction of an expansion of the existing Lift Station 11 pumping to 1.2 MGD capacity.



Detailed Project Drivers:
The existing Lift Station 11 require a capacity expansion to serve anticipated near-term growth to the west side of the City to serve developments such as Polo Ranch and Del Webb. The existing wet well (8-inch Diameter and 19-ft depth) and 8-inch force main have available capacity to accommodate the near-term pumping expansion. The costs include new pumps and electrical.

Capital Improvement Cost Estimate* May 4, 2020

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Lift Station Expansion to 1.2 MGD	1	LS	\$ 272,000	\$ 272,000
				SUBTOTAL:	\$ 272,000
				Contingency	30%
					\$ 81,600
				SUBTOTAL:	\$ 353,600
				Eng./Survey	15%
					\$ 53,100
				SUBTOTAL:	\$ 406,700
Estimated Project Total:					\$ 406,700

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying		\$ 53,100					\$ 53,100
Construction			\$ 353,600				\$ 353,600
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 53,100	\$ 353,600	\$ -	\$ -	\$ -	\$ 406,700


Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds		\$ 53,100	\$ 353,600				\$ 406,700
Operating Funds							\$ -
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 53,100	\$ 353,600	\$ -	\$ -	\$ -	\$ 406,700

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name:	Wastewater Impact Fee Update and Rate Study		
Project Number:	WW22F	Fiscal Year:	2022
Detailed Project Description:		Vicinity Map	
<p>This project will review the City of Fulshear's current impact fee and wastewater rates to determine if they are in line with current industry standards. The analysis will provide the recommended fees/rates for City Council consideration.</p>			
Detailed Project Drivers:			
<p>Provide for appropriate funding for ongoing utility operations and maintenance (rates) & future City infrastructure that is needed to accommodate current and future demands (rates/fees). Funding opportunities: Texas Water Development Board/Bonds</p>			

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Impact Fee and Rate Study	1	LS	\$ 75,000	\$ 75,000
				SUBTOTAL:	\$ 75,000
				Contingency	0%
				SUBTOTAL:	\$ 75,000
				Eng./Survey	0%
				SUBTOTAL:	\$ 75,000
Estimated Project Total:					\$ 75,000

	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Project Costs Allocation							
Preliminary Engineering		\$ 75,000					\$ 75,000
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction							\$ -
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Funding Sources							
Utility Bonds							\$ -
Utility Funds		\$ 75,000					\$ 75,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name: Lift Station Quick Connect and Generator Project - CCR

Project Number: WW22G **Fiscal Year:** 2022

Detailed Project Description: This project will install Quick Connects (3) at lift stations in Cross Creek Ranch that are currently not equipped. Quick Connects allow for expedited connection of the lift station to back up generator power. This project also includes the addition of a permanent generator at the Morgan Spur at Cross Creek Bend lift station.

Detailed Project Drivers: Provide for quick return to service of lift stations during power outages; emergency response.



Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Generator	1	LS	\$ 100,000	\$ 100,000
2	Labor	1	LS	\$ 30,000	\$ 30,000
3	Quick Connects	3	EA	\$ 5,000	\$ 15,000
SUBTOTAL:					\$ 145,000
				Contingency	0%
SUBTOTAL:					\$ 145,000
				Eng./Survey	0%
SUBTOTAL:					\$ 145,000
Estimated Project Total:					\$ 145,000

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Preliminary Engineering							\$ -
Land/Right of Way							\$ -
Design/Surveying							\$ -
Construction		\$ 145,000					\$ 145,000
Equipment and Furniture							\$ -
Contingency							\$ -
Total Costs	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 145,000

Funding Sources	Prior Year Funding	FY Projected Funding Sources					Total
		FY2022	FY2023	FY2024	FY2025	FY2026	
Utility Bonds							\$ -
Utility Funds - Fund 551 (CCR)		\$ 145,000					\$ 145,000
Connections Fees							\$ -
Impact Fees							\$ -
EDC							\$ -
Total Sources	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 145,000

Notes:



City of Fulshear

2022 - 2026 Capital Improvement Program Wastewater

Project Name: Lift Station Quick Connect and Generator Project

Project Number: WW22F **Fiscal Year:** 2022

Detailed Project Description:
This project will install Quick Connects (5) at lift stations on the City of Fulshear waste water system that are currently not equipped. Quick Connects allow for expedited connection of the lift station to back up generator power. This project also includes the addition of a permanent generator at the FM1093 at Katy Fulshear Road lift station.



Detailed Project Drivers:
Provide for quick return to service of lift stations during power outages. Emergency response.

Capital Improvement Cost Estimate*

Opinion of Probable Construction Cost					
Item	Description	Quantity	Unit	Unit Price	Total
1	Generator	1	LS	\$ 100,000	\$ 100,000
2	Labor and materials	1	LS	\$ 30,000	\$ 30,000
3	Quick Connects	5	EA	\$ 5,000	\$ 25,000
4	Fencing	1	LS	\$ 10,000	\$ 10,000
				SUBTOTAL:	\$ 165,000
				Contingency	0%
				SUBTOTAL:	\$ 165,000
				Eng./Survey	0%
				SUBTOTAL:	\$ 165,000
				Estimated Project Total:	\$ 165,000

Project Costs Allocation	Prior Year Allocation	FY Projected Allocation						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Preliminary Engineering							\$ -	
Land/Right of Way							\$ -	
Design/Surveying							\$ -	
Construction		\$ 165,000					\$ 165,000	
Equipment and Furniture							\$ -	
Contingency							\$ -	
Total Costs	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ 165,000	

Funding Sources	Prior Year Funding	FY Projected Funding Sources						Total
		FY2022	FY2023	FY2024	FY2025	FY2026		
Utility Bonds							\$ -	
Utility Funds		\$ 165,000					\$ 165,000	
Connections Fees							\$ -	
Impact Fees							\$ -	
EDC							\$ -	
Total Sources	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ 165,000	

Notes:



Summary of FY22 Anticipated EDC Project Requests 5-Year Capital Improvement Plan

City of Fulshear, Texas

May 31, 2021

All requests will be revisited at a future date to provide scope specifics

Project Code & Name	Funding Source	Description
ST20C - Texas Heritage Parkway Participation Project	Oper. Funds/ CIP Fund Bal./ EDC Requests	Cost sharing for the Texas Heritage Parkway project. This assumes financing by Ft. Bend County. Other funding options will continue to be explored. <i>FY 22-FY42 = \$189,856/FY</i>
FPT19A - Parks & Pathways Master Plan Implementation	Oper. Funds/ Fund Bal. Park & EDC Funds	<i>This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the Parks and Pathways Master Plan. FY20 work included implementation of the Primrose Park Phase I. Design for Phase II will be completed in FY21 and phased construction will begin in FY22. The primary focus of the first phase of Primrose Park Phase II will focus on the baseball field portion of the project and associated parking and facilities. (FY22 EDC request = \$500k)</i>
FPT19B - Livable Centers Study Implementation	Oper. Funds/ Fund Bal. & EDC Requests	This ongoing effort will support the design and implementation of projects as identified by and/or in line with the goals of the HGAC Livable Centers Study. Items such as hardscapes and streetscapes as detailed in the study will be implemented or installed as part of the following projects that are expected to be under construction in FY22: Harris Street Recension, Wallis Street Improvements, and 4th Street Reconstruction. <i>(FY20 EDC = \$100k) Estimated FY 21 - FY 25 = \$100k/FY</i>
ST20F – Wallis Street Widening and Extension (\$2.6M ILA) (Streetscape/Hardscape)	Oper. Funds/ CIP Fund Bal./ EDC Requests	City is participating through an Interlocal Agreement with Fort Bend County for design and construction of the widening and extension of Wallis from FM 359 to FM 1093. City's commitment to the project is a 50/50 split with Fort Bend County. Estimated total project is \$5.2 M. Project will begin design in FY21 and construction is planned for FY22. This project will also include the West Side Drainage improvements and will incorporate improvements outlined in the Livable Centers Study. FY22 Estimate is \$350,000 = \$175,000 in FY22 EDC requests; \$175,000 in Oper Fund/CIP Funds
ST21B – Harris Street Reconstruction - 5th St to FM 1093 (\$2.6M Streetscape/Hardscape)	Oper. Funds/ CIP Fund Bal./ EDC Requests	Harris Street will be reconstructed from FM 1093 to 5th Street. The reconstruction will consist of a two way curb and gutter roadway with parallel on-street parking and sidewalks. FY22 Design (\$225k Operation Funds, \$225k EDC Funds), FY23 Construction. This project will also incorporate improvements outlined in the Livable Centers Study.

Project Code - Est Cost	Prior Years EDC A&B Requests	EDCs Estimates	Future Year EDC Request Estimates					TOTALS
		FY 22	FY 23	FY 24	FY 25	FY 26	Beyond FY26	
ST20C		\$ 189,856	\$ 189,856	\$ 189,856	\$ 189,856	\$ 189,856	\$ 3,796,976	\$ 4,746,256
FPT19A		\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
FPT19B		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 400,000
ST20F		\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000
ST21B		\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
TOTALS		\$ 1,189,856	\$ 289,856	\$ 289,856	\$ 289,856	\$ 189,856	\$ 3,796,976	\$ 6,046,256

Est. Request Per Individual EDC Type - \$ 594,928 \$ 144,928 \$ 144,928 \$ 144,928 \$ 94,928 \$ 1,898,488 \$ 3,023,128