



CAPITAL IMPROVEMENT PROGRAM

FIVE
YEAR 2020-2024

**CITY OF SUGAR LAND
2020 – 2024 CAPITAL IMPROVEMENT PROGRAM
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Introduction

The City of Sugar Land's Capital Improvement Program (CIP) was developed in order to further the City's commitment to the citizens of Sugar Land. This program works to meet today's infrastructure needs as well as those of the future. From working on underground water and sewer lines to more visible projects, such as the Animal Shelter or major roadway projects. The five-year CIP addresses the needs of the City through responsible City government and a comprehensive approach that ensures efficient use of public funds.

The CIP is a long range plan that identifies capital projects, provides a planning schedule, and identifies options for financing the plan. The program provides a link between the City's comprehensive plan, various master plans, the annual budget, and the five-year financial forecast. This organized approach to planning projects should extend beyond the production of a document alone. A centralized CIP is an opportunity to foster cooperation among departments and inform other governmental entities and rating agencies of the City's priorities and future plans. The process of developing a CIP should solidify the support of the citizens of Sugar Land and the City's commitment to carrying out these programs. By going beyond the production of a document, the process and development of a long-term capital improvement program can realize the following benefits:

Focus attention on community goals and needs. Capital projects can be brought into line with the City's objectives, allowing projects to be prioritized based on need. Furthermore, the CIP can be used as an effective tool for achieving the goals set forth in the City's Comprehensive Plan.

Allow for an informed public. The CIP keeps the public informed about the future capital investment plans of the City and allows them to play a more active role in the process.

Encourage more efficient program administration. By enhancing the level of communication among the various departments implementing capital improvement projects, the City is able to better coordinate efforts, avoiding duplication of efforts and potential conflicts. Work can be scheduled and available personnel and equipment can be better utilized when it is known in advance when projects will be undertaken.

Identify the most economically sound means of funding projects. Through proper planning, the need for bond issues or other revenue production measures can be foreseen and action can be taken before the need becomes so critical that emergency financing measures are required. By fiscally constraining the five-year CIP, the City is able to identify projects without a viable funding source and work to put in place sources of funding.

Enhance the City's credit rating. Planning and financial constraint are an essential component to the city's bond rating. By keeping planned projects within the financial capabilities of the City, the City is able to preserve its credit rating and make the City more attractive to businesses and industries. When projects cannot be funded within current resources the plan helps to identify increases needed.

Define the impact of master plans and studies. Master plans conducted by the City help to identify the path forward and define the direction for each particular discipline, whether it is thoroughfare planning, facility planning or water planning. Through proper coordination the necessary planning will lead to successful endeavors as the City grows and the improvements identified become a necessity. The CIP reflects an implementation of plans such as the Integrated Water Resources Plan.

Define future GO Bond Programs – As projects are identified and prepared for voter consideration, inclusion in the five year CIP and financial plan allows them to be ranked and prioritized against other needs and the financial impacts to be more clearly defined.

In the case of Preliminary Engineering Reports (PER), they almost always result in a capital improvement. Until these PERs are completed and ready to move into the design phase of work, potential projects are not included in the CIP. They are conducted in order to provide more information and clarification on future projects to provide more accurate costing measures.

CIP Development Process

The development of a capital improvement program is a continual process and, consequently, should be viewed as a work in progress. While this document covers a five-year planning perspective, it is revised every year in order to accommodate new projects, reflect changes in ongoing projects, and extend the program an additional year. The first year of the plan is incorporated into the annual budget as required by the City’s charter, and funds are appropriated through the budget adoption. Improvements identified in subsequent years are approved only on a planning basis and do not receive any appropriation. Cost estimates for years two through five are presented for planning purposes only, and are used in conjunction with the City’s long-range financial plan. The CIP development process utilizes a “project-ready” approach whereby the scope and budget for a proposed improvement are clearly defined prior to the appropriation of funds for construction.

The City seeks involvement of various stakeholders during the CIP development process because the City recognizes the invested interest in maintaining Sugar Land as a “great place to live and work.” The City considers input from citizens, the Planning and Zoning Commission, City Council and City staff members in the CIP’s preparation.

The majority of the projects included in the five-year CIP have reached the design stage of at least 60 percent completion. If a project has not reached 60 percent design or is in the design phase, typically only the design funding will be shown. There are a few exceptions, mainly for projects that are a result of opportunities that present themselves to the City that are funded from alternate revenue streams, or that are part of a program such as the November 2019 GO Bond election or Integrated Water Resources Plan.

A project list is compiled by the Engineering Department, prioritized by year, and cost estimates assigned. The cost estimates for each project are developed through the following processes:

1. If project estimates are based on consultant’s assessment, study, master plans or staff:

The project will include design and construction contingency for construction administration (CA) and construction material testing (CMT) with a 3 percent inflation factor for the out years. Contingency ranges from 25 percent to 35 percent as the estimates are not based on design or engineering work. Typically, these projects are not included in the CIP except as a placeholder for future year financial planning.

2. If project estimates are based on a PER:

The project will include design and construction contingency for CA and CMT with a 3 percent inflation factor for the out years.

Contingency ranges from 20 percent to 30 percent based on the nature and size of the project.

PER cost estimates are refined in the design phase and the out years are adjusted.

3. If project estimates are based on design:

The project will include design and construction contingency for CA and CMT with a 3 percent inflation factor for the out years.

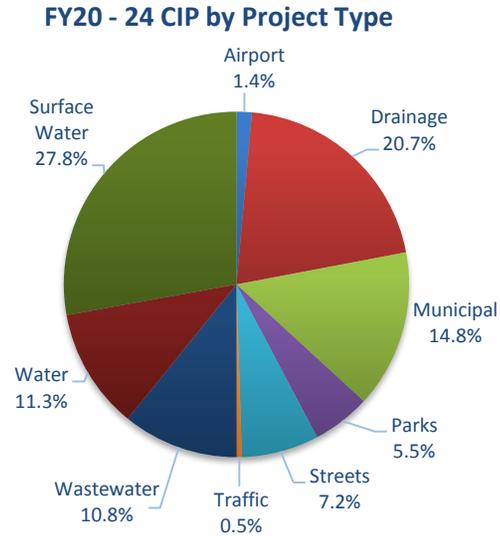
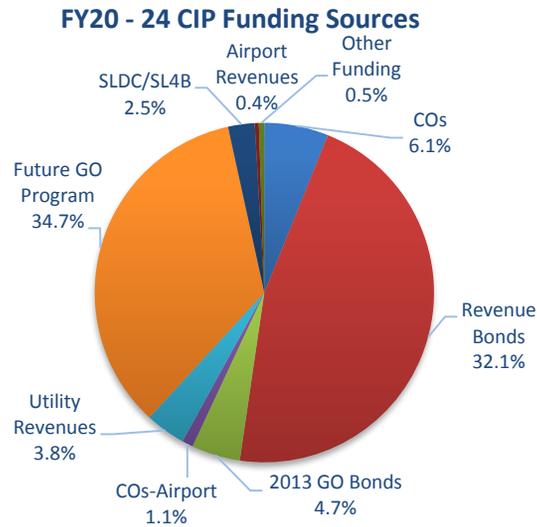
As the project now has the best estimated costs based on design, the contingency for the projects is reduced and ranges from 10 percent to 20 percent, including CA and CMT.

The Budget Office also looks at the overall impact of projects, including the need to issue debt, funding capacity and impact to property taxes and utility rates, and operations and maintenance impact to the City.

City Council is able to weigh citizen's input with staff recommendations to ensure that both are equally considered. The City Council, through budget workshops, reviews the proposed CIP and any recommended changes are incorporated into the final document. A final five-year CIP is then presented with the annual budget for Council consideration and adoption. Upon Council adoption, the five-year CIP document is reproduced and distributed for implementation of the program. Only the first year of the CIP is included in the annual budget for appropriation. The out years are for planning purposes only.

FY2020 - FY2024 CIP

The Five-Year Capital Improvement Program for FY20 to FY24 totals \$261,411,703. Funding for CIP projects are derived from various sources including Revenue Bonds, Certificates of Obligation, 2013 GO Bonds, 2019 GO Bonds Program, Utility System Revenues, Airport Revenues, SLDC/SL4B, Hotel Occupancy Taxes, and Donations. The 2019 GO Bond Program is included in the CIP and project funding is subject to approval by voters, with project timing to be determined by City Council – with projects to begin in FY21 to FY23. The following charts show the funding sources and uses for the five year CIP:



Fiscal Year 2020 Highlights

Airport: projects include: Parallel Taxiway Relocation & Hangars.

Drainage projects include: Settlers Park Drainage Improvements, Brazos River Erosion Land Acquisition, Sugar Creek Storm Sewer Pipe Rehabilitation, Riverbend Arch Siphon Pipe Rehab, and Riverbend Spillway Rehab.

Municipal projects include: Public Safety Training Facility, Major Facilities Rehabilitation, Public Arts Project, High Site Communication Improvements, and Enterprise Resource Planning (ERP) Implementation – Phase II.

Parks projects include: First Colony Trail, Brazos River Park Phase II, Ditch H Trail, Joint Participation in CIP, and Cullinan Park Improvements.

Streets projects include: Bridge Rehabilitation, Major Street Rehabilitation, and Owens Road Mobility Bond Project.

Surface Water: projects include: Surface Water Treatment Plant Expansion, Surface Water Transmission Line to New Territory GWT/Route, and Surface Water Treatment Plant Yard Pipe and Aerial Crossing Recoating

Traffic projects include: Traffic Evaluation & Safety Improvements, and Landscape Replacement for Major Roadways & Enhancement Projects.

Wastewater projects include: Lift Station Rehabilitation, Wastewater Treatment Plants Improvements, and Collection System (Project E).

Water projects include: Well Rehabilitation, Distribution System Water Main Rehabilitation Program, Ground Storage Tank Rehabilitation, Ground Water Plant Rehabilitation, SCADA Improvements, SH99 and US90A Waterline Relocation, and Utilities costs associated with Drainage Projects.

How to Use This Document

The Capital Improvement Program document is organized by project type. Each project type includes information on existing projects that will carry over into fiscal year 2020, and projects that are anticipated for funding in 2020-2024. Due to the nature of capital projects, the life of a project may span across fiscal years. As funds are designated for a project, they are accumulated in the appropriate capital fund and expended as the project progresses. When the funds are not spent in one year, they remain in the fund balance to be used in the future. This is also referred to as carryover funds. As the City refines the annual CIP, these carryover projects will be redefined into areas of contractual obligation, and ongoing projects are re-appropriated in the following year to ensure full project funding. The summary section includes total uses and sources of funding, a list of all the projects and project numbers and amounts for each year. Detailed project descriptions and justifications follow by project type of each individual project, including the estimated operating expense, project costs, and funding sources.

For clarification in determining project timing, each project has been assigned an alphanumeric CIP number. The first two digits identify what type of project it is:

- AP = Airport
- DR = Drainage
- WW= Wastewater
- MU = Municipal
- PK = Parks
- WA = Water
- ST = Streets
- TR = Traffic
- SW = Surface Water

The second two digits of the number (DR20) identify the first fiscal year in which the project is planned, and the last two digits (DR2001) assign a sequential number. If project funding crosses multiple years, the project retains its original fiscal year designator for supplemental funding requests. Project titles provide a brief description of the project. Individual project data sheets include:

Description/Justification: Information about the purpose and scope of the project and explanation of why the project is needed.

Impact on Operating Budget: Estimated increases in annual operational costs as a direct result of the project (not cumulative).

Project Costs/Source of Funds: Details of project expenditures and sources of funding, including prior year funding and sources for the project, FY2019 budgeted appropriations and estimated costs for FY21 - FY24 (or until project completion). All projects in the 2019 GO Bond Program are shown in FY22 but could be FY21 to FY23.

Project Schedule: Estimated project schedule, by month and year for FY2020, and by year for future year projects, for the project completion. The 2019 GO Bond Projects do not have a schedule, as timing is subject to further discussion by City Council after the bond election.

Site Information: Location map (if available) indicating the project location.

Other: This section may contain additional information regarding the funding source or status of the project.

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AIRPORT	\$ 1,800,000	\$ 1,552,428	\$ -	\$ -	\$ 410,500	\$ 3,762,928
DRAINAGE	6,200,000	-	47,600,000	-	-	53,800,000
MUNICIPAL	4,710,000	260,000	35,560,000	260,000	260,000	41,050,000
PARKS	12,455,925	1,200,000	200,000	200,000	200,000	14,255,925
STREETS	5,350,000	3,320,000	10,260,000	-	-	18,930,000
SURFACE WATER	1,065,250	1,875,700	12,384,900	57,469,000	-	72,794,850
TRAFFIC	450,000	200,000	200,000	200,000	200,000	1,250,000
WASTEWATER	2,537,000	3,161,000	9,520,000	7,220,000	5,920,000	28,358,000
WATER	5,946,000	7,582,000	4,098,000	7,734,000	4,250,000	29,610,000
TOTAL	\$ 40,514,175	\$ 19,151,128	\$ 119,822,900	\$ 73,083,000	\$ 11,240,500	\$ 263,811,703

SOURCE OF FUNDS	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
CO'S	\$ 16,000,000	\$ -	\$ -	\$ -	\$ -	\$ 16,000,000
CO'S / AIRPORT	1,800,000	950,000	-	-	-	2,750,000
2013 GO BONDS	12,155,925	-	-	-	-	12,155,925
FY21-23 GO BOND PROGRAM	-	-	90,760,000	-	-	90,760,000
REVENUE BONDS	7,548,250	10,618,700	24,002,900	70,423,000	8,170,000	120,762,850
SLDC	150,000	3,320,000	-	-	-	3,470,000
SL4B	710,000	610,000	610,000	610,000	610,000	3,150,000
AIRPORT REVENUES	-	602,428	-	-	410,500	1,012,928
SYSTEM REVENUES	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
OTHER FUNDING SOURCES						
<i>Cullinan Foundation</i>	100,000	1,000,000	-	-	-	1,100,000
<i>Tourism Fund</i>	50,000	50,000	50,000	50,000	50,000	250,000
<i>Donations</i>			2,400,000			2,400,000
TOTAL	\$ 40,514,175	\$ 19,151,128	\$ 119,822,900	\$ 73,083,000	\$ 11,240,500	\$ 263,811,703

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AIRPORT	\$ 1,800,000	\$ 950,000		\$ -	\$ -	\$ 2,750,000
TOTAL - CERTIFICATES OF OBLIGATIONS / AIRPORT	\$ 1,800,000	\$ 950,000	\$ -	\$ -	\$ -	\$ 2,750,000

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
DRAINAGE	\$ 6,200,000	\$ -	\$ -	\$ -	\$ -	\$ 6,200,000
MUNICIPAL	4,350,000	-	-	-	-	4,350,000
STREETS	5,200,000	-	-	-	-	5,200,000
TRAFFIC	250,000	-	-	-	-	250,000
TOTAL - CERTIFICATES OF OBLIGATIONS	\$ 16,000,000	\$ -	\$ -	\$ -	\$ -	\$ 16,000,000

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
PARKS	\$ 12,155,925	\$ -	\$ -	\$ -	\$ -	\$ 12,155,925
TOTAL - 2013 GENERAL OBLIGATION BONDS	\$ 12,155,925	\$ -	\$ -	\$ -	\$ -	\$ 12,155,925

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
DRAINAGE	\$ -	\$ -	\$ 47,600,000	\$ -	\$ -	\$ 90,760,000
MUNICIPAL	-	-	32,900,000	-	-	32,900,000
STREETS	-	-	10,260,000	-	-	10,260,000
TOTAL - FY21-23 GO BOND PROGRAM	\$ -	\$ -	\$ 90,760,000	\$ -	\$ -	\$ 90,760,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
SURFACE WATER	\$ 1,065,250	\$ 1,875,700	\$ 12,384,900	\$ 57,469,000	\$ -	\$ 72,794,850
WASTEWATER	1,537,000	2,161,000	8,520,000	6,220,000	4,920,000	23,358,000
WATER	4,946,000	6,582,000	3,098,000	6,734,000	3,250,000	24,610,000
TOTAL - REVENUE BONDS	\$ 7,548,250	\$ 10,618,700	\$ 24,002,900	\$ 70,423,000	\$ 8,170,000	\$ 120,762,850

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
STREETS	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000
TOTAL - SUGAR LAND DEVELOPMENT CORPORATION	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MUNICIPAL	\$ 310,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,150,000
PARKS	200,000	200,000	200,000	200,000	200,000	1,000,000
TRAFFIC	200,000	200,000	200,000	200,000	200,000	1,000,000
TOTAL - SUGAR LAND 4B CORPORATION	\$ 710,000	\$ 610,000	\$ 610,000	\$ 610,000	\$ 610,000	\$ 3,150,000

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MUNICIPAL	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
TOTAL - TOURISM FUND	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AIRPORT	\$ -	\$ 602,428	\$ -	\$ -	\$ 410,500	\$ 1,012,928
TOTAL - AIRPORT REVENUES	\$ -	\$ 602,428	\$ -	\$ -	\$ 410,500	\$ 1,012,928

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
WASTEWATER	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
WATER	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
TOTAL - SYSTEM REVENUES	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,000,000

PROJECT TYPE	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MUNICIPAL	\$ -	\$ -	\$ 2,400,000	\$ -	\$ -	\$ 2,400,000
PARKS	100,000	1,000,000	-	-	-	1,100,000
TOTAL - OTHER FUNDING SOURCES	\$ 100,000	\$ 1,000,000	\$ 2,400,000	\$ -	\$ -	\$ 3,500,000

CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AP1201	Parallel Taxiway Relocation & Hangars ALD#4 and ALD#11	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
AP2101	Taxiway Relocation PH III	-	950,000	-	-	-	950,000
	TOTAL - CERTIFICATES OF OBLIGATIONS/AIRPORT	\$ 1,800,000	\$ 950,000	\$ -	\$ -	\$ -	\$ 2,750,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
DR1903	Settlers Park Drainage Improvements	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
DR2001	Brazos River Erosion Land Acquisition	100,000	-	-	-	-	100,000
DR2002	Riverbend Arch Siphon Pipe Rehab	450,000	-	-	-	-	450,000
DR2003	Riverbend Country Club Spillway	100,000	-	-	-	-	100,000
DR2004	Sugar Creek Golf Course Drainage Pipe Rehab	550,000	-	-	-	-	550,000
MU1901	Public Safety Training Facility	810,000	-	-	-	-	810,000
MU1906	ERP Implementation (Phase II)	1,560,000	-	-	-	-	1,560,000
MU2001	Major Facilities Rehabilitation	1,250,000	-	-	-	-	1,250,000
MU2004	High Site Communication Improvements	730,000	-	-	-	-	730,000
ST2001	Bridge Rehabilitation	200,000	-	-	-	-	200,000
ST2002	Major Street Rehabilitation	5,000,000	-	-	-	-	5,000,000
TR2002	Traffic Evaluation & Safety Improvements	250,000	-	-	-	-	250,000
	TOTAL - CERTIFICATES OF OBLIGATIONS	\$ 16,000,000	\$ -	\$ -	\$ -	\$ -	\$ 16,000,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
PK1506	First Colony Trail	\$ 1,550,000	\$ -	\$ -	\$ -	\$ -	\$ 1,550,000
PK1606	Brazos River Park PH II (Mid-Lake)	3,585,423	-	-	-	-	3,585,423
PK1702	Ditch H Trail	7,020,502	-	-	-	-	7,020,502
	TOTAL - 2013 GENERAL OBLIGATIONS BONDS	\$ 12,155,925	\$ -	\$ -	\$ -	\$ -	\$ 12,155,925

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES**

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
DRGOB2	Riverbend Inlets and Pipes Replacement (FY21-23 GO Bond Program)	\$ -	\$ -	\$ 3,500,000	\$ -	\$ -	\$ 3,500,000
DRGOB1	Austin Park/Chimneystone/Sweetwater Drainage Improvements (FY21-23 GO Bond Program)	-	-	16,500,000	-	-	16,500,000
DRGOB3	Flood Control Improvements- Dam III Oyster Creek @ Lexington (FY21-23 GO Bond Program)	-	-	800,000	-	-	800,000
DRGOB4	Citywide Flood Prevention & Drainage Studies (FY21-23 GO Bond Program)	-	-	600,000	-	-	600,000
DRGOB5	Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase I - Lake Control (FY21-23 GO Bond Program)	-	-	1,100,000	-	-	1,100,000
DRGOB6	Greatwood Village Drainage Improvements (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
DRGOB7	Covington Woods Drainage Improvements-Covington West & Imperial Woods (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
DRGOB8	Telfair Drainage Improvements- New Territory & Chatham (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
DRGOB9	Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase II - Elkins Rd (FY21-23 GO Bond Program)	-	-	7,300,000	-	-	7,300,000
DRGO10	Sugar Creek Drainage Improvements - Montclair Drive (FY21-23 GO Bond Program)	-	-	8,800,000	-	-	8,800,000
MUGOB1	Animal Shelter (FY21-23 GO Bond Program)	-	-	6,600,000	-	-	6,600,000
MUGOB2	Emergency Operations Center/Public Safety Dispatch Building (FY21-23 GO Bond Program)	-	-	11,500,000	-	-	11,500,000
MUGOB3	Public Safety & Public Services Building Rehabilitation (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
MUGOB4	Fire/EMS Apparatus Replacement (FY21-23 GO Bond Program)	-	-	1,800,000	-	-	1,800,000
MUGOB5	Public Safety Training Facility- Phase II (FY21-23 GO Bond Program)	-	-	10,000,000	-	-	10,000,000
STGOB1	Soldiers Field Ext/Roundabout at First Colony Blvd & Brooks St Intersection Impr (FY21-23 GO Bond Program)	-	-	2,460,000	-	-	2,460,000
STGOB2	University Blvd Widening- Mobility Bond Project (FY21-23 GO Bond Program)	-	-	1,700,000	-	-	1,700,000
STGOB3	Citywide Transportation & Mobility Studies (FY21-23 GO Bond Program)	-	-	400,000	-	-	400,000
STGOB4	Major Street Rehabilitation (FY21-23 GO Bond Program)	-	-	4,000,000	-	-	4,000,000
STGOB5	Country Club Blvd Improvements from Sugar Creek to Chesterfield (FY21-23 GO Bond Program)	-	-	1,700,000	-	-	1,700,000
	TOTAL - FY21-23 GO BOND PROGRAM	\$ -	\$ -	\$ 90,760,000	\$ -	\$ -	\$ 90,760,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
SW2001	Surface Water Treatment Plant Expansion	\$ 605,250	\$ -	\$ 1,815,750	\$ 38,246,000	\$ -	\$ 40,667,000
SW2002	Surface Water Transmission Line to New Territory GWT/Route	160,000	-	417,750	8,795,000	-	9,372,750
SW2003	Surface Water Treatment Plant Yard Pipe and Aerial Crossing Recoating	300,000	-	-	-	-	300,000
SW2101	New Territory GWP Surface Water Conversion Assessments/Design/Construction	-	165,000	495,000	10,428,000	-	11,088,000
SW2102	Automated Meter Integration (AMI)	-	1,710,700	9,656,400	-	-	11,367,100
WW2001	Collection System (Project E)	567,000	441,000	4,400,000	-	-	5,408,000
WW2002	Lift Station Rehabilitation	620,000	620,000	620,000	620,000	620,000	3,100,000
WW2003	Wastewater Treatment Plants Improvements	350,000	1,100,000	3,500,000	1,500,000	1,500,000	7,950,000
WW2301	Lift Station 48 (MUD 136 Reg. LS#1)	-	-	-	1,800,000	-	1,800,000
WW2302	Forcemain from north WWTP to West WWTP	-	-	-	800,000	-	800,000
WW2303	West WWTP Expansion - Phase I	-	-	-	1,200,000	-	1,200,000
WW2304	Collection System Rehabilitation Program	-	-	-	300,000	2,800,000	3,100,000
WA1905	SH99 and US90A Waterline Relocation	350,000	-	-	-	-	350,000
WA2001	Well Rehabilitation	270,000	270,000	270,000	270,000	270,000	1,350,000
WA2002	Distribution System Water Main Rehabilitation Program	300,000	2,800,000	300,000	2,800,000	300,000	6,500,000
WA2003	Ground Storage Tank Rehabilitation	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
WA2004	Ground Water Plant Rehabilitation	1,100,000	2,160,000	1,100,000	2,160,000	1,100,000	7,620,000
WA2005	SCADA Improvements	76,000	152,000	228,000	304,000	380,000	1,140,000
WA2007	Utilities Costs for Drainage Projects	1,650,000	-	-	-	-	1,650,000
	TOTAL - REVENUE BONDS	\$ 7,548,250	\$ 10,618,700	\$ 24,002,900	\$ 70,423,000	\$ 8,170,000	\$ 120,762,850

CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AP2102	Airport Terminal Ramp Expansion	\$ -	\$ 602,428	\$ -	\$ -	\$ -	\$ 602,428
AP2401	Approach Lighting System	-	-	-	-	113,000	113,000
AP2402	Security Fencing	-	-	-	-	297,500	297,500
	TOTAL - AIRPORT REVENUES	\$ -	\$ 602,428	\$ -	\$ -	\$ 410,500	\$ 1,012,928

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
ST2003	Owens Rd - Mobility Bond Project	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000
	TOTAL - SUGAR LAND DEVELOPMENT CORPORATION	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MU2002	Public Arts Project	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,050,000
MU2003	Senior Center Study	100,000	-	-	-	-	100,000
PK2002	Joint Participation in CIP	200,000	200,000	200,000	200,000	200,000	1,000,000
TR2001	Landscape Replacement for Major Roadway and Enhancement Projects	200,000	200,000	200,000	200,000	200,000	1,000,000
	TOTAL - SUGAR LAND 4B CORPORATION	\$ 710,000	\$ 610,000	\$ 610,000	\$ 610,000	\$ 610,000	\$ 3,150,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MU2002	Public Arts Project	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
	TOTAL - TOURISM FUND	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
WW2002	Lift Station Rehabilitation	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
WA2001	Well Rehabilitation	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
	TOTAL - SYSTEM REVENUES	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,000,000

PROJECT NO.	PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
PK2001	Cullinan Park Improvements	\$ 100,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,100,000
MUGOB1	Animal Shelter (FY21-23 GO Bond Program)	-	-	2,400,000	-	-	2,400,000
	TOTAL - OTHER FUNDING SOURCES	\$ 100,000	\$ 1,000,000	\$ 2,400,000	\$ -	\$ -	\$ 3,500,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
AIRPORT**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
AP1201	Parallel Taxiway Relocation & Hangars ALD#4 and ALD#11	\$ 3,196,758	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
AP1602	Airport Master Plan Airport and Development Plan	61,565	-	-	-	-	-	-
AP1901	Oyster Creek Maintenance Bridge Replacement	300,000	-	-	-	-	-	-
AP1902	US90A Drainage Improvement for Airport Taxiway	130,000	-	-	-	-	-	-
AP1903	Airport West Side Entry Roadway	980,000	-	-	-	-	-	-
AP2101	Taxiway Relocation PH III	-	-	950,000	-	-	-	950,000
AP2102	Airport Terminal Ramp Expansion	-	-	602,428	-	-	-	602,428
AP2401	Approach Lighting System	-	-	-	-	-	113,000	113,000
AP2402	Security Fencing	-	-	-	-	-	297,500	297,500
	TOTAL FUNDING	\$ 4,668,323	\$ 1,800,000	\$ 1,552,428	\$ -	\$ -	\$ 410,500	\$ 3,762,928

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	2,174,566	1,800,000	950,000	-	-	-	2,750,000
SLDC	-	-	-	-	-	-	-
SL4B	-	-	-	-	-	-	-
Airport Revenues	2,493,757	-	602,428	-	-	410,500	1,012,928
Tourism Fund	-	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-	-
TOTAL	\$ 4,668,323	1,800,000	1,552,428	-	-	\$ 410,500	\$ 3,762,928

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - AIRPORT**

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Parallel Taxiway Relocation & Hangars ALD#4 and ALD#11	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Taxiway Relocation PH III	-	950,000	-	-	-	950,000
TOTAL - CERTIFICATES OF OBLIGATIONS/AIRPORT	\$ 1,800,000	\$ 950,000	\$ -	\$ -	\$ -	\$ 2,750,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Airport Terminal Ramp Expansion	\$ -	\$ 602,428	\$ -	\$ -	\$ -	\$ 602,428
Approach Lighting System	-	-	-	-	113,000	113,000
Security Fencing	-	-	-	-	297,500	297,500
TOTAL - AIRPORT REVENUES	\$ -	\$ 602,428	\$ -	\$ -	\$ 410,500	\$ 1,012,928

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP1201	PROJECT TITLE Parallel Taxiway Relocation and Hangars ALD #4 and ALD #11
------------------------------	--

DESCRIPTION Construction of a new replacement hangar for the existing airport corporate one hangar and office space.
JUSTIFICATION The new taxiway is required to meet FAA clearance regulations. In addition, this project will ensure airport control of the 186 ft. wide Taxiway Object Free Area (TWOFA) plus 30 ft. outside of the TWOFA, as required by FAA regulations. This project will provide the space needed for the existing customers to store their aircraft.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	3,196,758	1,800,000	0	0	0	0	\$ 4,996,758
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 3,196,758	\$ 1,800,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,996,758

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	2,174,566	1,800,000	0	0	0	0	\$ 3,974,566
Airport Revenues	1,022,192	0	0	0	0	0	\$ 1,022,192
GRAND TOTAL	\$ 3,196,758	\$ 1,800,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,996,758



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Jan-14	Aug-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
The original budget was set in 2011 with the original taxiway relocation project, and since then inflation has impacted the cost of the final reconstruction. The \$1.8M is for additional construction costs that are needed to build the hangar.

City Goal:	Safest City
Reference:	Airport Layout Plan/Business Plan
Project Manager:	Airport/TxDOT Aviation
Estimator:	Airport/TxDOT Aviation

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP1602	PROJECT TITLE Airport Development Plan
------------------------------	--

<p>DESCRIPTION</p> <p>The Airport Development Plan will be a key component of the future development of the Airport. This plan is anticipated to be a complex planning document that goes beyond the traditional planning studies. This is in addition to the Airport's 2011 Airport Land Plan that has provided the preliminary stages for the west side.</p> <p>JUSTIFICATION</p> <p>An Airport Development Plan is needed to help stabilize revenues through business diversification, future site layout and to identify future capital improvements projects. Also the FAA and TXDOT will be using the plan as a guide for funding priorities.</p>

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	61,565	0	0	0	0	0	\$ 61,565
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 61,565	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 61,565

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	61,565	0	0	0	0	0	\$ 61,565
GRAND TOTAL	\$ 61,565	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 61,565



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Aug-17	Feb-20
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	
Project Manager:	Airport Department
Estimator:	Airport Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP1901	PROJECT TITLE Oyster Creek Maintenance Bridge Replacement
------------------------------	---

DESCRIPTION Replace the existing wooden bridge with a concrete structure, improve the elevation of the bridge to meet the flood plain requirements and to improve the hydraulic channel efficiency.

JUSTIFICATION The existing wooden vehicular bridge over Oyster Creek serves as the primary access point for routine monthly and emergency maintenance by the Federal Aviation Administration (FAA). During the Harvey storm in 2017 the bridge was lifted from the foundation. Loss of the bridge restricts critical maintenance.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	30,000	0	0	0	0	0	\$ 30,000
Construction	270,000	0	0	0	0	0	\$ 270,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	300,000	0	0	0	0	0	\$ 300,000
GRAND TOTAL	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Nov-18	Mar-19
Construction	Sep-19	Jun-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	
Project Manager:	Engineering Department
Estimator:	Airport Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP1902	PROJECT TITLE US90A Drainage Improvements for Airport Taxiway
------------------------------	---

DESCRIPTION Reduce stormwater ponding at the south end of the taxiway by connecting to FBC LID No. 17, 72-inch drainage structure, and outflowing the low area of the taxiway to an existing Texas Department of Transportation (TxDOT) detention pond, south of US Highway 90A.
--

JUSTIFICATION Drainage issues were identified during various storms. The improvements will allow the water to flow south of the airport, and will minimize flooding on the airfield during heavy rain events.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	35,000	0	0	0	0	0	\$ 35,000
Construction	95,000	0	0	0	0	0	\$ 95,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 130,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 130,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	130,000	0	0	0	0	0	\$ 130,000
GRAND TOTAL	\$ 130,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 130,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Nov-18	Apr-19
Construction	Jan-20	Jun-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Jones & Carter Drainage Assessment
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP1903	PROJECT TITLE Airport West Side Entry Roadway
------------------------------	---

DESCRIPTION Design and construction of a new roadway, west of the Airport. Project includes design of approximately 2800 lineal feet, undivided, concrete section with required drainage improvements.
--

JUSTIFICATION As the Airport finalizes the Airport Development Plan, the design and construction of the west side roadway will provide access to future development.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	80,000	0	0	0	0	0	\$ 80,000
Design							
Construction	900,000	0	0	0	0	0	\$ 900,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 980,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 980,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	980,000	0	0	0	0	0	\$ 980,000
GRAND TOTAL	\$ 980,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 980,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Dec-18	May-19
Construction	Sep-19	Jun-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Airport Development Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP2101	PROJECT TITLE Taxiway Relocation PH III
------------------------------	---

DESCRIPTION Construction of the remaining taxiway "A" pavement and two (2) runway entrances. Relocate a portion of the airport perimeter access road including drainage, grading, paving, lighting, signage, gate/fencing.
--

JUSTIFICATION Provide safer environment for aircraft to operate by enhancing the runway and taxiway safety areas to FAA current standards.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	950,000	0	0	0	\$ 950,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 950,000	\$ 0	\$ 0	\$ 0	\$ 950,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	0	950,000	0	0	0	\$ 950,000
GRAND TOTAL	\$ 0	\$ 0	\$ 950,000	\$ 0	\$ 0	\$ 0	\$ 950,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-20	Dec-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Strong Local Economy
Reference:	Airport Development Plan
Project Manager:	Airport
Estimator:	Airport

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP2102	PROJECT TITLE Airport Terminal Ramp Expansion
------------------------------	---

DESCRIPTION
Two ramp extensions with approximately 145,000 sft of concrete pavement. Ramp extension no.1 will be on the southwestern side of the terminal at 108,000 sft and ramp extension no.2 will be on the north side of the terminal at 37,000 sft.

JUSTIFICATION
Ramp space will be lost due to the ultimate build out of the Taxiway "A" construction, therefore, additional ramp pavement is necessary for aircraft parking due to the increasing demand of the use of the regional airport.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	602,428	0	0	0	\$ 602,428
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 602,428	\$ 0	\$ 0	\$ 0	\$ 602,428

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	0	0	602,248	0	0	0	\$ 602,248
GRAND TOTAL	\$ 0	\$ 0	\$ 602,248	\$ 0	\$ 0	\$ 0	\$ 602,248



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Strong Local Economy
Reference:	Airport Development Plan
Project Manager:	Airport
Estimator:	Airport

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP2401	PROJECT TITLE Approach Lighting System
------------------------------	--

DESCRIPTION Installation of a new Medium Intensity Approach Lighting System (MALS) on Runway 35.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION The MALS will allow better navigation by making the 35 end of the runway easier to identify from the air. The Airport purchased 11 acres of land in Telfair to perform the necessary improvements. The project was originally a part of AP1202; however, funding was not included in the grant.

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	0	0	113,000	\$ 113,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 113,000	\$ 113,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	0	0	0	0	0	113,000	\$ 113,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 113,000	\$ 113,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-23	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Airport Business Plan
Project Manager:	Airport Department
Estimator:	Airport Department

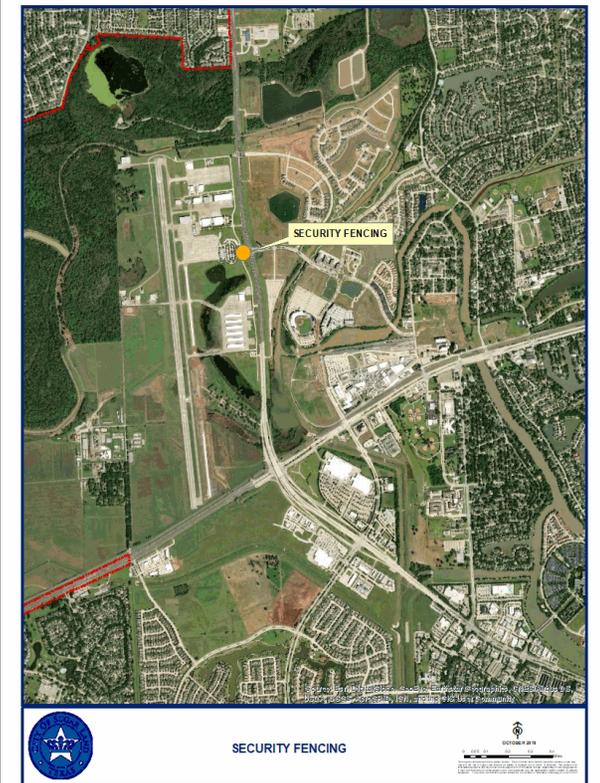
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Airport**

PROJECT NO. AP2402	PROJECT TITLE Security Fencing
------------------------------	--

DESCRIPTION Installation of perimeter security fencing (approximately 20,000 LF) at the Airport.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION To enhance the Airport security, the airfield needs to be enclosed to prevent unauthorized entries.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	0	0	297,500	\$ 297,500
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 297,500	\$ 297,500

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Airport Revenues	0	0	0	0	0	297,500	\$ 297,500
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 297,500	\$ 297,500



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-23	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Airport Business Plan
Project Manager:	Airport Department
Estimator:	Airport Department

**2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
DRAINAGE**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
DR1701	Covington Woods Drainage Improvements - Jess Pirtle Side Streets & Greywood Dr.	\$ 2,230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DR1801	Covington Woods Drainage Improvements - Sugar Land MS/Sugar Mill Relief Line	1,480,000	-	-	-	-	-	-
DR1806	Outfall Structure Improvements with FBC LID No. 2	227,711	-	-	-	-	-	-
DR1901	Riverbend Weir Structure Modifications at Dulles Avenue	200,000	-	-	-	-	-	-
DRGOB2	Riverbend Inlets and Pipes Replacement (FY21-23 GO Bond Program)	55,000	-	-	3,500,000	-	-	3,500,000
DR1903	Settlers Park Drainage Improvements	560,000	5,000,000	-	-	-	-	5,000,000
DR2001	Brazos River Erosion Land Acquisition	-	100,000	-	-	-	-	100,000
DR2002	Riverbend Arch Siphon Pipe Rehab	-	450,000	-	-	-	-	450,000
DR2003	Riverbend Country Club Spillway	-	100,000	-	-	-	-	100,000
DR2004	Sugar Creek Golf Course Drainage Pipe Rehab	-	550,000	-	-	-	-	550,000
DRGOB1	Austin Park/Chimneystone/Sweetwater Drainage Improvements (FY21-23 GO Bond Program)	-	-	-	16,500,000	-	-	16,500,000
DRGOB3	Flood Control Improvements- Dam III Oyster Creek @ Lexington (FY21-23 GO Bond Program)	-	-	-	800,000	-	-	800,000
DRGOB4	Citywide Flood Prevention & Drainage Studies (FY21-23 GO Bond Program)	-	-	-	600,000	-	-	600,000
DRGOB5	Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase I - Lake Control (FY21-23 GO Bond Program)	-	-	-	1,100,000	-	-	1,100,000
DRGOB6	Greatwood Village Drainage Improvements (FY21-23 GO Bond Program)	-	-	-	3,000,000	-	-	3,000,000
DRGOB7	Covington Woods Drainage Improvements-Covington West & Imperial Woods (FY21-23 GO Bond Program)	-	-	-	3,000,000	-	-	3,000,000
DRGOB8	Telfair Drainage Improvements- New Territory & Chatham (FY21-23 GO Bond Program)	-	-	-	3,000,000	-	-	3,000,000
DRGOB9	Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase II - Elkins Rd (FY21-23 GO Bond Program)	-	-	-	7,300,000	-	-	7,300,000
DRGO10	Sugar Creek Drainage Improvements - Montclair Drive (FY21-23 GO Bond Program)	-	-	-	8,800,000	-	-	8,800,000
	TOTAL FUNDING	\$ 4,752,711	\$ 6,200,000	\$ -	\$ 47,600,000	\$ -	\$ -	\$ 53,800,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	4,410,000	6,200,000	-	-	-	-	6,200,000
FY21-23 GO Bond Program	-	-	-	47,600,000	-	-	47,600,000
SLDC	-	-	-	-	-	-	-
SL4B	-	-	-	-	-	-	-
Revenue Bonds	115,000	-	-	-	-	-	-
Tourism Fund	-	-	-	-	-	-	-
Other Funding (CIP Fund Balance & MUD21)	227,711	-	-	-	-	-	-
TOTAL	\$ 4,752,711	\$ 6,200,000	\$ -	\$ 47,600,000	\$ -	\$ -	\$ 53,800,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - DRAINAGE**

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Settlers Park Drainage Improvements	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
Brazos River Erosion Land Acquisition	100,000	-	-	-	-	100,000
Riverbend Arch Siphon Pipe Rehab	450,000	-	-	-	-	450,000
Riverbend Country Club Spillway	100,000	-	-	-	-	100,000
Sugar Creek Golf Course Drainage Pipe Rehab	550,000	-	-	-	-	550,000
TOTAL - CO's	\$ 6,200,000	\$ -	\$ -	\$ -	\$ -	\$ 6,200,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Riverbend Inlets and Pipes Replacement (FY21-23 GO Bond Program)	\$ -	\$ -	\$ 3,500,000	\$ -	\$ -	\$ 3,500,000
Austin Park/Chimneystone/Sweetwater Drainage Improvements (FY21-23 GO Bond Program)	-	-	16,500,000	-	-	16,500,000
Flood Control Improvements- Dam III Oyster Creek @ Lexington (FY21-23 GO Bond Program)	-	-	800,000	-	-	800,000
Citywide Flood Prevention & Drainage Studies (FY21-23 GO Bond Program)	-	-	600,000	-	-	600,000
Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase I - Lake Control (FY21-23 GO Bond Program)	-	-	1,100,000	-	-	1,100,000
Greatwood Village Drainage Improvements (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
Covington Woods Drainage Improvements-Covington West & Imperial Woods (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
Telfair Drainage Improvements- New Territory & Chatham (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase II - Elkins Rd (FY21-23 GO Bond Program)	-	-	7,300,000	-	-	7,300,000
Sugar Creek Drainage Improvements - Montclair Drive (FY21-23 GO Bond Program)	-	-	8,800,000	-	-	8,800,000
TOTAL - (FY21-23 GO BOND PROGRAM)	\$ -	\$ -	\$ 47,600,000	\$ -	\$ -	\$ 47,600,000

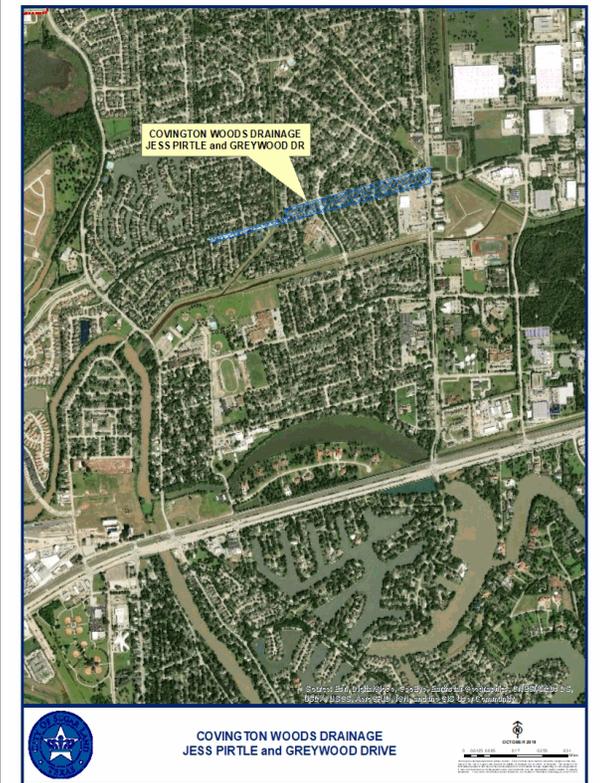
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR1701	PROJECT TITLE Covington Woods Drainage Improvements - Jess Pirtle Side Streets & Greywood Drive
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<p>DESCRIPTION Design and construction of new reinforced concrete pipe along Sugarfield, and Sugardale to reduce stormwater ponding. Greywood Dr. include storm sewer improvements parallel to the existing storm system to provide additional conveyance.</p> <p>JUSTIFICATION Covington Woods is subject to wide spread roadway inundation during medium to extreme rain events. Many of the roadways are impassable during these storm events and subject to excessively long times to drain leading to decreased mobility. Portions of the area do not meet current City design standards. Improvements are needed to address street flooding issues and improve pass-ability during rain events.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">IMPACT ON OPERATING BUDGET</th> </tr> <tr> <th style="text-align: left;">Expenditures</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> </tr> </thead> <tbody> <tr> <td>Personnel</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Operating</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Capital</td> <td style="text-align: center;">0</td> </tr> <tr style="background-color: #cccccc;"> <td>GRAND TOTAL</td> <td style="text-align: center;">\$ 0</td> </tr> </tbody> </table>	IMPACT ON OPERATING BUDGET						Expenditures	2020	2021	2022	2023	2024	Personnel	0	0	0	0	0	Operating	0	0	0	0	0	Capital	0	0	0	0	0	GRAND TOTAL	\$ 0				
IMPACT ON OPERATING BUDGET																																					
Expenditures	2020	2021	2022	2023	2024																																
Personnel	0	0	0	0	0																																
Operating	0	0	0	0	0																																
Capital	0	0	0	0	0																																
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0																																

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	2,230,000	0	0	0	0	0	\$ 2,230,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 2,230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,230,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	2,115,000	0	0	0	0	0	\$ 2,115,000
Revenue Bonds	115,000	0	0	0	0	0	\$ 115,000
GRAND TOTAL	\$ 2,230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,230,000



PROJECT SCHEDULE	START	END	OTHER:
Analysis/Study/Assessment			
Preliminary Engineering Design			
Design			
Construction	Aug-18	Feb-20	
Land/ROW			
Furniture, Fixtures, Equipment			

City Goal:	Responsible City Government
Reference:	LAN 2014 PER
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR1801	PROJECT TITLE Covington Woods Drainage Improvements - Sugar Land MS/Sugar Mill Relief Line & 7th Street Recon
------------------------------	---

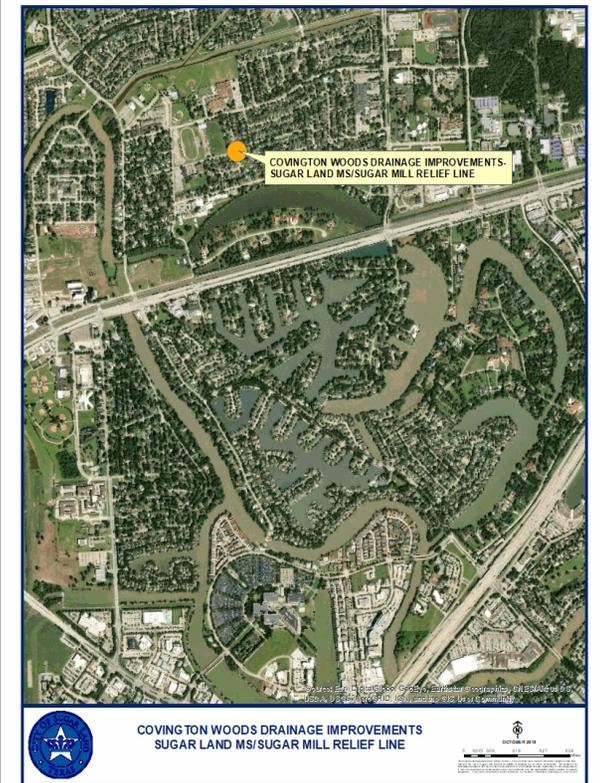
DESCRIPTION
Design and construction of a new storm sewer line along the City-owned park adjacent to Sugar Land Middle School and the outfall to Ditch A-22. Project is designed to increase the capacity of the storm sewer system in the area. Also includes the reconstruction of 7th Street from Muirwood to Woodlake Circle; including subgrade and full panel replacement.

JUSTIFICATION
Covington Woods is subject to wide spread roadway inundation during medium to extreme rain events. Many of the roadways are impassible during these storm events and subject to excessively long times to drain leading to decreased mobility. Portions of the area do not meet current City design standards. Improvements are needed to address these issues and the annual street pavement rehabilitation program recommendation of 7th Street reconstruction.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	110,000	0	0	0	0	0	\$ 110,000
Construction	1,370,000	0	0	0	0	0	\$ 1,370,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 1,480,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,480,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	1,480,000	0	0	0	0	0	\$ 1,480,000
GRAND TOTAL	\$ 1,480,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,480,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Dec-17	May-19
Construction	Jul-19	May-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	LAN 2014 PER/PMMP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR1806	PROJECT TITLE Outfall Structure Improvements with FBC LID No. 2
------------------------------	---

DESCRIPTION
City-owned outfall rehabilitation in FBC LID No. 2 ditches "B", "B-1", "C", "C-1" & "E". Includes replacement of outfall pipes and associated erosion aprons. FBC LID No.2 is to design and construct the improvements and the City will reimburse FBC LID No. 2 for City's portion of the work.

JUSTIFICATION
The joint project with FBC LID No. 2 provides the opportunity to replace identified failing storm water outfalls within the FBC LID No. 2 jurisdiction.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	227,711	0	0	0	0	0	\$ 227,711
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 227,711	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 227,711

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CIP Fund Balance	227,711	0	0	0	0	0	\$ 227,711
GRAND TOTAL	\$ 227,711	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 227,711



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Apr-18	Jun-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	FBC LID No. 2 estimate-May 2017
Project Manager:	Engineering Department
Estimator:	FBC LID No. 2

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

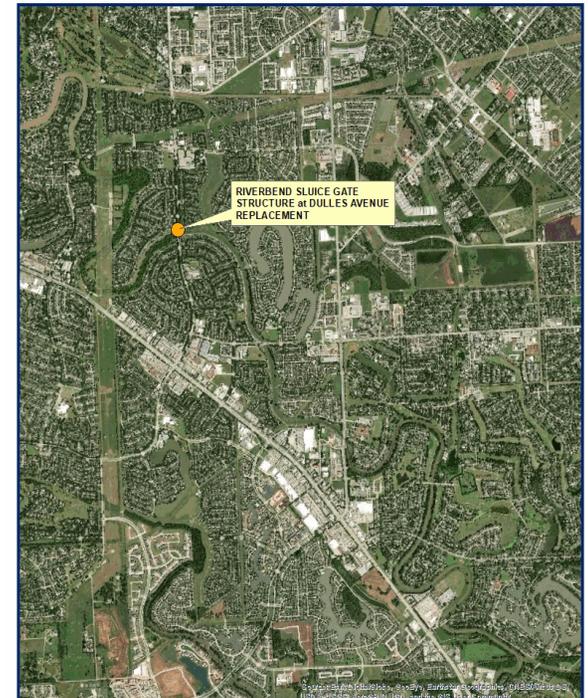
PROJECT NO. DR1901	PROJECT TITLE Riverbend Weir Structure Modifications at Dulles Avenue
------------------------------	---

<p>DESCRIPTION</p> <p>Replace the existing sheet pile structure with a sluice gate control structure that allows to lower the water level downstream of Dam 3 during major storm events. This project will reduce the ponding depth and durations in the Riverbend area neighborhoods during major storm events.</p>
<p>JUSTIFICATION</p> <p>The areas included in this study regularly experience excessive street ponding during major storm events. The proposed project will design modification to the stormwater infrastructure that meet performance based criteria, which will reduce the street ponding situation during major storm events.</p>

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	200,000	0	0	0	0	0	\$ 200,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	200,000	0	0	0	0	0	\$ 200,000
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-18	Oct-19
Construction	Jan-20	Jun-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2018 Drainage Improvements Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

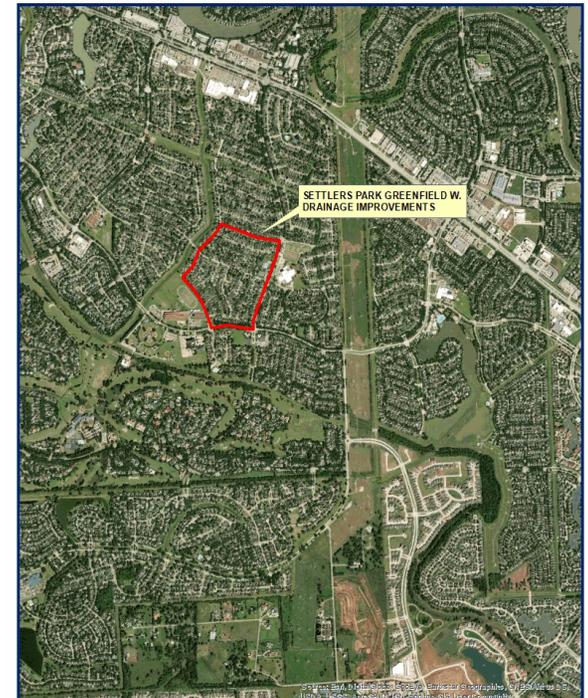
PROJECT NO. DR1903	PROJECT TITLE Settlers Park Drainage Improvements
------------------------------	---

DESCRIPTION Replacement of existing stormwater pipes along Greenfield Dr with new 60-in and 72-in reinforced concrete pipe (RCP) and replacement of the outfall into FBC LID No. 2, Ditch C. Also, replacement of stormwater pipes along Sleepy Hollow Dr and Mesquite Dr with 36-in and 48-in RCP. Project will reduce the street ponding depth and duration in the Settlers Park neighborhood area.
JUSTIFICATION The areas regularly experience excessive street ponding during major storm events. The proposed project will design modifications to the stormwater infrastructure that meet performance based criteria, which will improve the ponding situation during major storm events.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	560,000	0	0	0	0	0	\$ 560,000
Construction	0	5,000,000	0	0	0	0	\$ 5,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 560,000	\$ 5,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,560,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	560,000	5,000,000	0	0	0	0	\$ 5,560,000
GRAND TOTAL	\$ 560,000	\$ 5,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,560,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Dec-18	Dec-19
Construction	Feb-20	Feb-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2018 Drainage Improvements Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR2001	PROJECT TITLE Brazos River Erosion Land Acquisition
------------------------------	---

DESCRIPTION Purchase of 12.6 acres of land to provide connectivity to the Brazos River Park and west of Hwy 99/Grand Parkway and adjacent to the City's existing park property.

JUSTIFICATION Purchase of this parcel will help the City have better control over the development near the bank of the Brazos River and complete the City's ownership of the park land on the south side of the river. In addition, the parcel will help FBC LID No. 7 access to the river for the needed erosion control to protect the City's residents.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW	0	100,000	0	0	0	0	\$ 100,000
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	100,000	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW	Oct-20	Jun-21
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Brazos River Erosion Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR2002	PROJECT TITLE Riverbend Arch Siphon Pipe Rehabilitation
------------------------------	---

DESCRIPTION Add slip lining to the aging pipe to restore structural integrity and replace the broken slope paving.
--

JUSTIFICATION In 2018, a study was completed which determined the pipe at the RBCC was installed in the 1940's and has surpassed it's useful life due to no preventative maintenance. This pipe conveys storm runoff from Sugar Creek subdivision.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	450,000	0	0	0	0	\$ 450,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 450,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 450,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	450,000	0	0	0	0	\$ 450,000
GRAND TOTAL	\$ 0	\$ 450,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 450,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	May-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	ARKK Engineers Study
Project Manager:	Public Works
Estimator:	ARKK Engineers

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

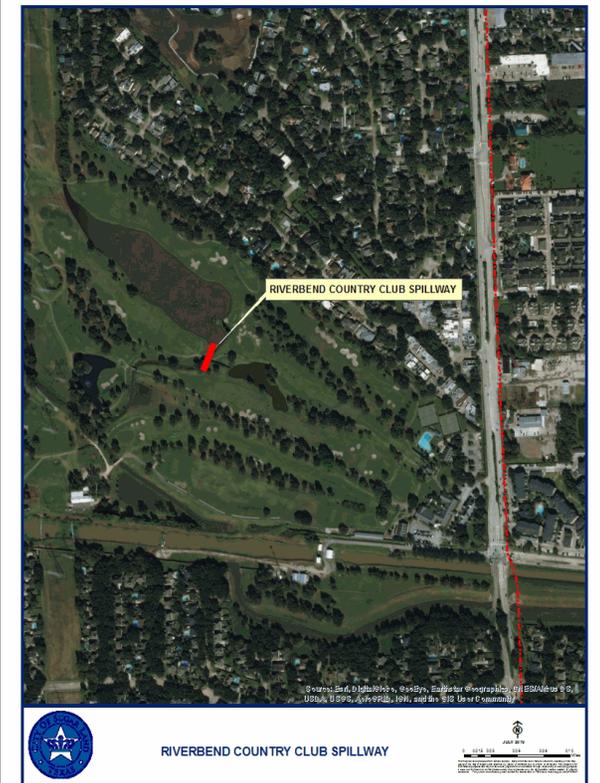
PROJECT NO. DR2003	PROJECT TITLE Riverbend Country Club Spillway
------------------------------	---

DESCRIPTION Mitigate the existing bulkhead and repair the bottom of the receiving channel to prevent future scouring.
JUSTIFICATION Opening in the existing bulkhead has allowed water to concentrate at the location crating higher velocities and energy in heavy rainfall conditions. This has scoured the bottom of the receiving area and caused some erosion.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	100,000	0	0	0	0	\$ 100,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	100,000	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Engineering Department
Project Manager:	Public Works Department
Estimator:	Engineering Department

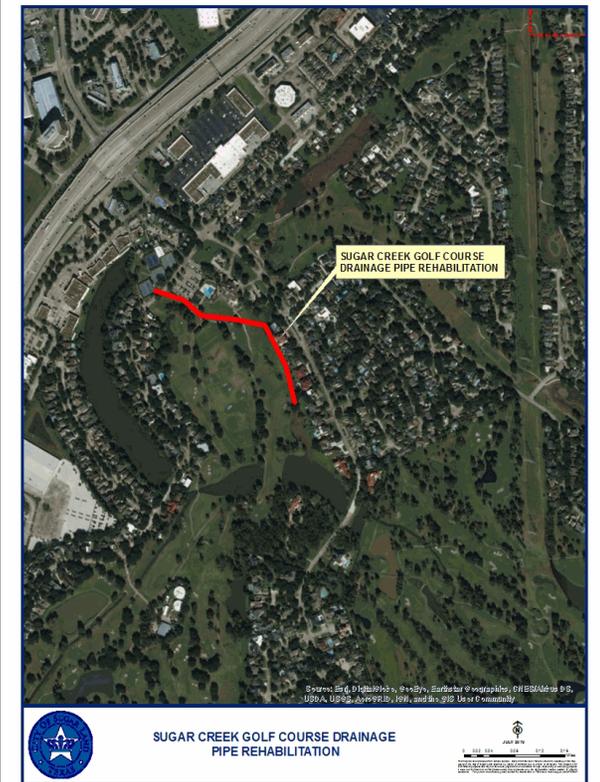
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DR2004	PROJECT TITLE Sugar Creek Golf Course Drainage Pipe Rehabilitation
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DESCRIPTION Rehabilitation of approximately 1,200ft of 54-inch storm sewer pipe with slip lining.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION In 2017 exploring was conducted along the pipe and identified separations in the existing concrete pipe that allows soil material to enter into the pipe, causing sink holes. The improvements will eliminate the separations in the pipe and therefore prevent the sinkholes from continuing.	GRAND TOTAL					
	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	550,000	0	0	0	0	\$ 550,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 550,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	550,000	0	0	0	0	\$ 550,000
GRAND TOTAL	\$ 0	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 550,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	May-20
Construction	Jul-20	Dec-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2017 Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

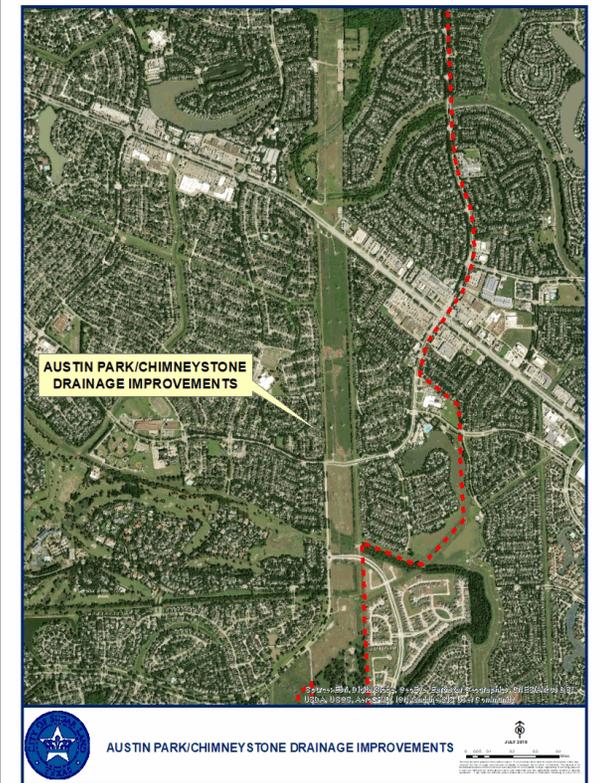
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB1	PROJECT TITLE Austin Park and Chimneystone Drainage Improvements (FY21-23 GO Bond Program)
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DESCRIPTION Design and construction of a new drainage channel from just south of State Highway 6 to Acacia. Project will improve drainage in the Austin Park and Chimneystone neighborhoods.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION The 2017 Drainage Study recommended construction of a new drainage channel adjacent to Chimneystone to reduce flooding during major storm events.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	1,980,000	0	0	\$ 1,980,000
Construction	0	0	0	14,520,000	0	0	\$ 14,520,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 16,500,000	\$ 0	\$ 0	\$ 16,500,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	16,500,000	0	0	\$ 16,500,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 16,500,000	\$ 0	\$ 0	\$ 16,500,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to direction from City Council.

City Goal:	Responsible City Government
Reference:	2017 Drainage Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB10	PROJECT TITLE Sugar Creek Drainage Improvements - Montclair Drive (FY21-23 GO Bond Program)
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DESCRIPTION Design and construction of new reinforced concrete box culverts extending south on Montclair Dr., and diversion of flow to the East Sugar Creek Ditch. This project scope includes adding new inlets and street reconstruction. The project also includes the reconstruction of Country Club Blvd from Sugar Creek Blvd to Chesterfield Ln.
JUSTIFICATION Sugar Creek experiences significant flooding during medium to intense flood events due to undersized inlets and storm drains. Results of the preliminary Engineering Report (PER) indicate a large portion of the development does not meet City's current design criteria. Improvements are proposed to alleviate flooding within the neighborhood and improve pass-ability during rain events.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	8,800,000	0	0	\$ 8,800,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 8,800,000	\$ 0	\$ 0	\$ 8,800,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	8,800,000	0	0	\$ 8,800,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 8,800,000	\$ 0	\$ 0	\$ 8,800,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Great Place To Live
Reference:	Half Associates 2014 PER
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB2	PROJECT TITLE Riverbend Inlets and Pipes Replacement (FY21-23 GO Bond Program)
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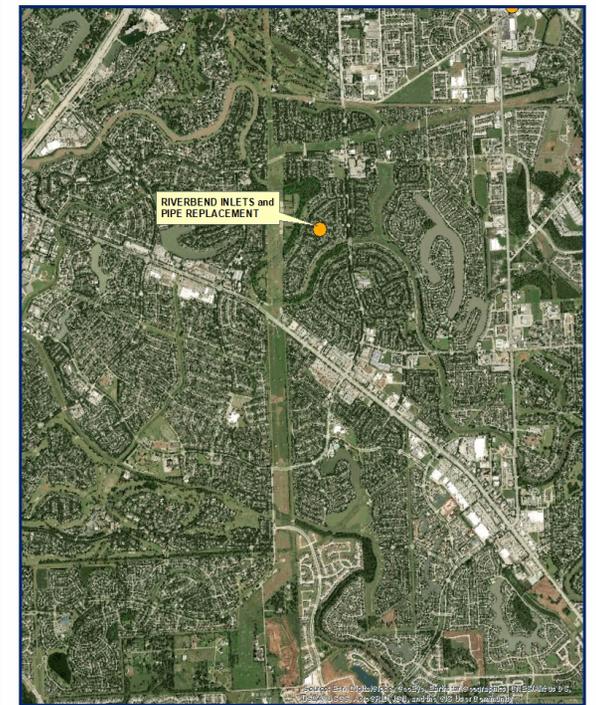
DESCRIPTION
Replace existing 24-in reinforced concrete pipes and inlets with 36-in to 54-in reinforced concrete pipes along Plantation Bend Drive, Winding River Dr., Cannons Point Drive, and Randall Oak Dr. The outfall at Laurel Hill will be replaced with a 48-in reinforced concrete pipe.

JUSTIFICATION
The areas regularly experience excessive street ponding during major storm events. The proposed project will design modifications to the stormwater infrastructure that meet performance based criteria, which will reduce the street ponding during major storm events. This project will reduce the ponding depth and durations in the Riverbend area neighborhoods.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	55,000	0	0	0	0	0	\$ 55,000
Construction	0	0	0	3,500,000	0	0	\$ 3,500,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 55,000	\$ 0	\$ 0	\$ 3,500,000	\$ 0	\$ 0	\$ 3,555,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	55,000	0	0	0	0	0	\$ 55,000
GO Bonds	0	0	0	3,500,000	0	0	\$ 3,500,000
GRAND TOTAL	\$ 55,000	\$ 0	\$ 0	\$ 3,500,000	\$ 0	\$ 0	\$ 3,555,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	2017 Drainage Improvements Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

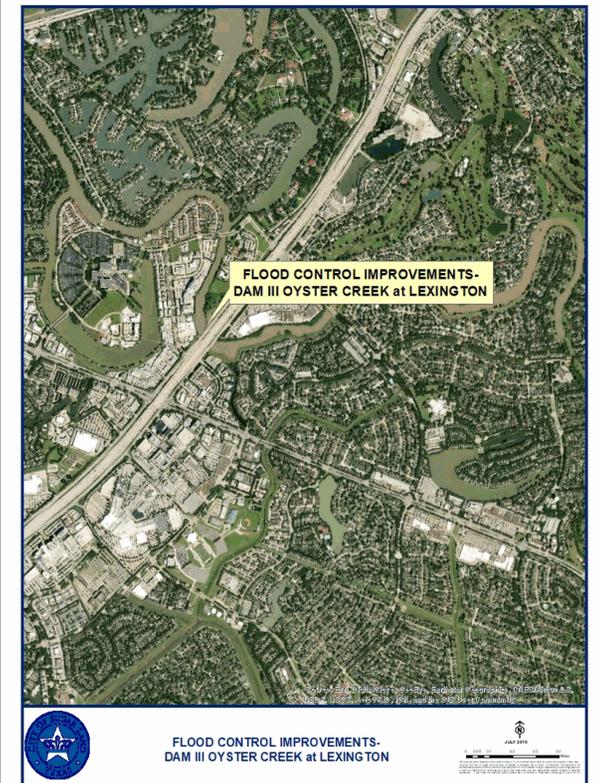
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB3	PROJECT TITLE Flood Control Improvements- Dam III Oyster Creek @ Lexington (FY21-23 GO Bond Program)
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DESCRIPTION Structural and widening improvements to Dam 3 (located along Oyster Creek, just north of Lexington Blvd bridge crossing) to increase water passing rate during major storm events. The dam serves both as a drainage/water storage reservoir function.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION In 2015, a study performed determined that Dam 3 is hydraulically inadequate in its current condition to meet the Texas Commission of Environmental Quality (TCEQ) mandated flood control requirements. Dam 3 is required to pass 75% of the Probable Maximum Flood (PMF). This 2015 study proposed improvements to comply with this new TCEQ Dam Safety criteria.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	800,000	0	0	\$ 800,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 800,000	\$ 0	\$ 0	\$ 800,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	800,000	0	0	\$ 800,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 800,000	\$ 0	\$ 0	\$ 800,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Safest City
Reference:	Dam 3 Flood Control Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB4	PROJECT TITLE Citywide Flood Prevention & Drainage Studies (FY21-23 GO Bond Program)
------------------------------	--

DESCRIPTION Conduct studies/modeling to aid the design of the drainage projects and to conduct localized drainage improvements at various locations.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
JUSTIFICATION Funding to conduct additional studies and/or modeling for upcoming drainage projects.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	0	0	600,000	0	0	\$ 600,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 600,000	\$ 0	\$ 0	\$ 600,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	600,000	0	0	\$ 600,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 600,000	\$ 0	\$ 0	\$ 600,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

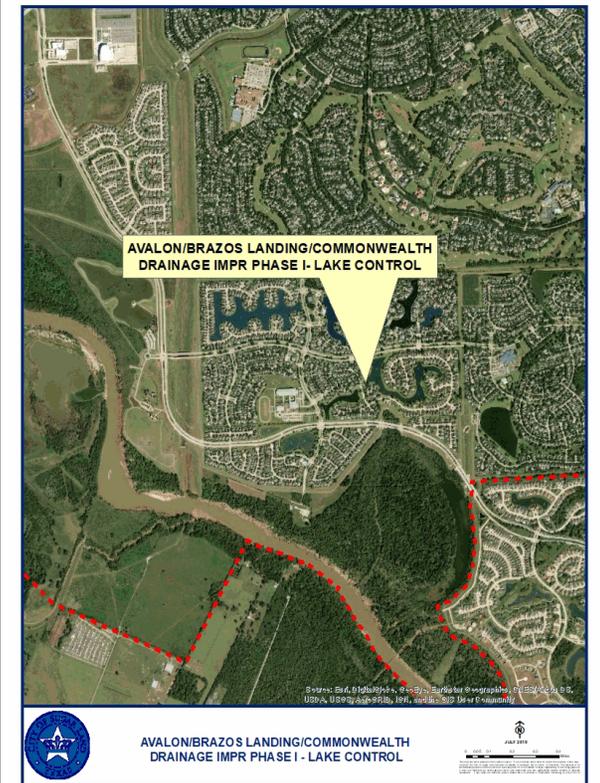
PROJECT NO. DRGOB5	PROJECT TITLE Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase I - Lake Control (FY21-23 GO Bond Program)
------------------------------	--

DESCRIPTION Reconstruct the existing weir at the FBC LID No. 14 outfall structure to lower the lake elevation and reduce tailwater elevation of the lake during major storm events.
JUSTIFICATION The 2017 Drainage Study identified improvements necessary to the downstream weir at the FBC LID No. 14 outfall structure that will reduce the overall street ponding along Elkins and Commonwealth Boulevards.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	100,000	0	0	\$ 100,000
Construction	0	0	0	1,000,000	0	0	\$ 1,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,100,000	\$ 0	\$ 0	\$ 1,100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	1,100,000	0	0	\$ 1,100,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,100,000	\$ 0	\$ 0	\$ 1,100,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	2017 Drainage Improvements Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB6	PROJECT TITLE Greatwood Village Drainage Improvements (FY21-23 GO Bond Program)
------------------------------	---

DESCRIPTION Study, design and construct the storm sewer system in Greatwood Village to replace inlets and upsized the pipes, including the outfall structure.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION The 2019 May 7th flood event identified structural flooding in areas of Greatwood Village. Preliminary assessment has identified the need for upsizing the pipes and replacement of inlets.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	0	0	50,000	0	0	\$ 50,000
Preliminary Engineering Design							
Design	0	0	0	590,000	0	0	\$ 590,000
Construction	0	0	0	2,360,000	0	0	\$ 2,360,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	3,000,000	0	0	\$ 3,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Strong Local Economy
Reference:	2019 May 7th Flood Event
Project Manager:	Engineering Department
Estimator:	Engineering Department

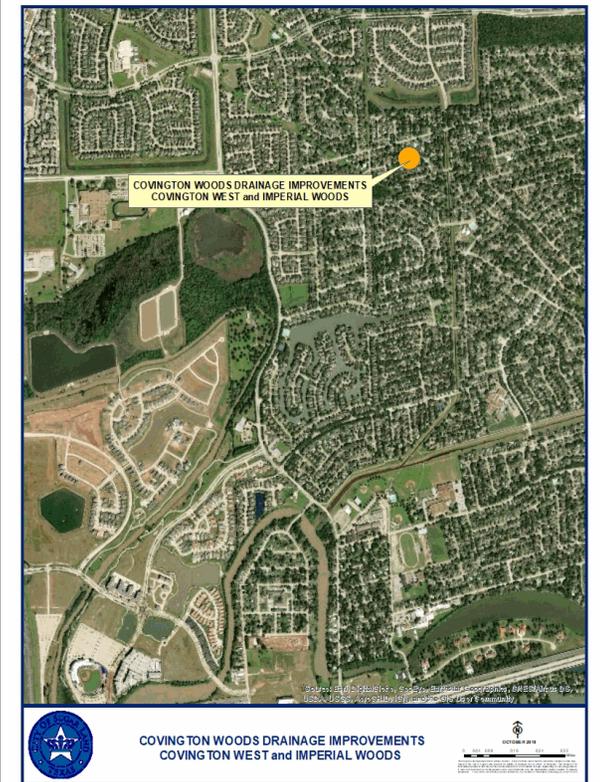
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB7	PROJECT TITLE Covington Woods Drainage Improvements-Covington W. & Imperial Woods (FY21-23 GO Bond Program)
------------------------------	---

DESCRIPTION Design and construction of new reinforced concrete storm sewers within Covington West and Imperial Woods. This will aid in improving storm water conveyance and minimize street ponding by upsizing the existing storm sewer pipes and replacement of the inlets.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
JUSTIFICATION The 2013 Drainage Study identified improvements necessary to reduce street ponding depths and durations within the Covington Woods neighborhood areas of Covington West and Imperial Woods.	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	360,000	0	0	\$ 360,000
Construction	0	0	0	2,640,000	0	0	\$ 2,640,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	3,000,000	0	0	\$ 3,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	2013 Drainage Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB8	PROJECT TITLE Telfair Drainage Improvements- New Territory & Chatham (FY21-23 GO Bond Program)
------------------------------	--

DESCRIPTION Reconstruction of the existing drainage system to reduce street ponding depths and durations during major storm events at the intersection of New Territory Boulevard and Chatham Avenue. The project will also improve ingress and egress access to Fire Station No. 7.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	360,000	0	0	\$ 360,000
Construction	0	0	0	2,640,000	0	0	\$ 2,640,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	3,000,000	0	0	\$ 3,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	2017 Drainage Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Drainage**

PROJECT NO. DRGOB9	PROJECT TITLE Avalon/Brazos Landing/ Commonwealth Drainage Impr Phase II - Elkins Rd (FY21-23 GO Bond Program)
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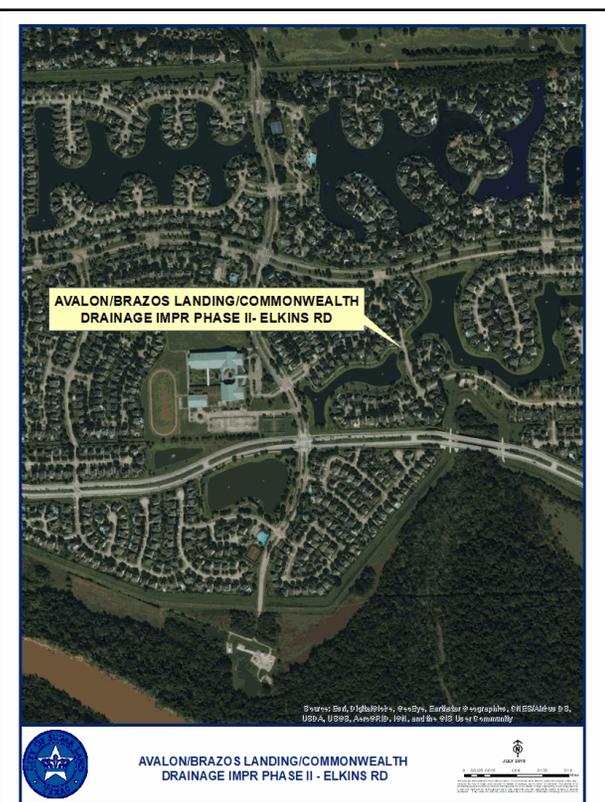
DESCRIPTION
Reconstruction of the existing drainage system to reduce street ponding depths and durations during major storm events. The project includes full replacement of pavement. The FBC LID No. 14 Lake Control Structure Modifications will need to be completed first.

JUSTIFICATION
The 2017 Drainage Study identified improvements necessary to reduce street pond along the Elkins Blvd, which is a major thoroughfare street.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	876,000	0	0	\$ 876,000
Construction	0	0	0	6,424,000	0	0	\$ 6,424,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 7,300,000	\$ 0	\$ 0	\$ 7,300,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	7,300,000	0	0	\$ 7,300,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 7,300,000	\$ 0	\$ 0	\$ 7,300,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	2017 Drainage Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
MUNICIPAL**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
MU1704	Hotel/Conference Center & Land Planning	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MU1707	Central Unit Land Planning	550,000	-	-	-	-	-	-
MU1712	Emergency Generators	675,000	-	-	-	-	-	-
MU1803	3 Tier High Site 10	570,000	-	-	-	-	-	-
MU1808	Public Arts Project	215,000	-	-	-	-	-	-
MU1901	Public Safety Training Facility	1,350,000	810,000	-	-	-	-	810,000
MU1902	Fire/EMS Equipment	240,000	-	-	-	-	-	-
MU1903	Fire/EMS Apparatus Replacement	1,440,000	-	-	-	-	-	-
MU1905	Fuel Tank/Dispenser Replacement - PH1	300,000	-	-	-	-	-	-
MU1906	ERP Implementation (Phase II)	2,025,000	1,560,000	-	-	-	-	1,560,000
MU1907	Public Arts Project	260,000	-	-	-	-	-	-
MU1911	High Site #2 Modifications	320,000	-	-	-	-	-	-
MU2001	Major Facilities Rehabilitation	-	1,250,000	-	-	-	-	1,250,000
MU2002	Public Arts Project	-	260,000	260,000	260,000	260,000	260,000	1,300,000
MU2003	Senior Center Study	-	100,000	-	-	-	-	100,000
MU2004	High Site Communication Improvements	-	730,000	-	-	-	-	730,000
MUGOB1	Animal Shelter (FY21-23 GO Bond Program)	500,000	-	-	9,000,000	-	-	9,000,000
MUGOB2	Emergency Operations Center/Public Safety Dispatch Building (FY21-23 GO Bond Program)	700,000	-	-	11,500,000	-	-	11,500,000
MUGOB3	Public Safety & Public Services Building Rehabilitation (FY21-23 GO Bond Program)	-	-	-	3,000,000	-	-	3,000,000
MUGOB4	Fire/EMS Apparatus Replacement (FY21-23 GO Bond Program)	-	-	-	1,800,000	-	-	1,800,000
MUGOB5	Public Safety Training Facility- Phase II (FY21-23 GO Bond Program)	-	-	-	10,000,000	-	-	10,000,000
	TOTAL FUNDING	\$ 9,545,000	\$ 4,710,000	\$ 260,000	\$ 35,560,000	\$ 260,000	\$ 260,000	\$ 41,050,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	5,900,000	4,350,000	-	-	-	-	4,350,000
FY21-23 GO Bond Program	-	-	-	32,900,000	-	-	32,900,000
SLDC	500,000	-	-	-	-	-	-
SL4B	800,000	310,000	210,000	210,000	210,000	210,000	1,150,000
Revenue Bonds	335,000	-	-	-	-	-	-
Airport Revenues	-	-	-	-	-	-	-
Tourism Fund	75,000	50,000	50,000	50,000	50,000	50,000	250,000
Systems Revenues	240,000	-	-	-	-	-	-
Other Funding / CIP Fund Balance	1,615,000	-	-	2,400,000	-	-	2,400,000
TOTAL	\$ 9,545,000	\$ 4,710,000	\$ 260,000	\$ 35,560,000	\$ 260,000	\$ 260,000	\$ 41,050,000

CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - MUNICIPAL

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Public Safety Training Facility	\$ 810,000	\$ -	\$ -	\$ -	\$ -	\$ 810,000
ERP Implementation (Phase II)	1,560,000	-	-	-	-	1,560,000
Major Facilities Rehabilitation	1,250,000	-	-	-	-	1,250,000
High Site Communication Improvements	730,000	-	-	-	-	730,000
TOTAL - CO's	\$ 4,350,000	\$ -	\$ -	\$ -	\$ -	\$ 4,350,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Public Arts Project	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,050,000
Senior Center Study	100,000	-	-	-	-	100,000
TOTAL - SL4B	\$ 310,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,150,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Animal Shelter (FY21-23 GO Bond Program)	\$ -	\$ -	\$ 6,600,000	\$ -	\$ -	\$ 6,600,000
Emergency Operations Center/Public Safety Dispatch Building (FY21-23 GO Bond Program)	-	-	11,500,000	-	-	11,500,000
Public Safety & Public Services Building Rehabilitation (FY21-23 GO Bond Program)	-	-	3,000,000	-	-	3,000,000
Fire/EMS Apparatus Replacement (FY21-23 GO Bond Program)	-	-	1,800,000	-	-	1,800,000
Public Safety Training Facility- Phase II (FY21-23 GO Bond Program)	-	-	10,000,000	-	-	10,000,000
TOTAL - FY21-23 GO BOND PROGRAM	\$ -	\$ -	\$ 32,900,000	\$ -	\$ -	\$ 32,900,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Public Arts Project	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
TOTAL - TOURISM FUND	\$ 50,000	\$ 250,000				

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Animal Shelter (FY21-23 GO Bond Program)	\$ -	\$ -	\$ 2,400,000	\$ -	\$ -	\$ 2,400,000
TOTAL - DONATIONS	\$ -	\$ -	\$ 2,400,000	\$ -	\$ -	\$ 2,400,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1704	PROJECT TITLE Hotel/Conference Center & Land Planning
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DESCRIPTION
Programmatic-level studies are needed to begin clarifying the spaces within and general layout of the hotel / conference center: as well as, the types of adjacent land uses and sharing of parking on the remainder of the City's property. Funding will also provide for legal and other miscellaneous services associated with the development of the site and the hotel/conference center.

JUSTIFICATION
The City has a goal of developing a second hotel/conference center within the City of Sugar Land. Based on a 2014 feasibility study, there is capacity for the development of a 350-room full service hotel with an attached 35K-50K sf conference center. It is anticipated that both the hotel and conference center will be located on City-owned property within TXDOT Tract 5.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	400,000	0	0	0	0	0	\$ 400,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	400,000	0	0	0	0	0	\$ 400,000
GRAND TOTAL	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Oct-16	Sep-22
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Strong Local Economy
Reference:	Hotel/Conference Center Study
Project Manager:	Economic Development
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1707	PROJECT TITLE Central Unit Land Planning
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DESCRIPTION
Planning for the 268-acre property that was acquired in FY16 for the development of enhancements at the Sugar Land Regional Airport, the creation of a public safety training center to address regional drainage opportunities and preserve land for a future business park, consistent with the future land use map and Comprehensive Plan.

JUSTIFICATION
Professional service work is needed to continue to maintain and prepare the property for its intended use, including environmental remediation, demolition, drainage and roadway planning – as well as, architectural planning for the main building. Site security improvements, temporary development of roads, and some initial deconstruction may also take place.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	550,000	0	0	0	0	0	\$ 550,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 550,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SLDC	500,000	0	0	0	0	0	\$ 500,000
Revenue Bonds	50,000	0	0	0	0	0	\$ 50,000
GRAND TOTAL	\$ 550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 550,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Dec-18	Dec-22
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Strong Local Economy
Reference:	2015 Hines Feasibility Study
Project Manager:	Engineering Department
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1712	PROJECT TITLE Emergency Generators
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DESCRIPTION
Design and construction of emergency generators to be installed at the City Hall Annex and the new Public Works Facilities. The City has obtained a federal grant in the amount of \$506,250 from FEMA with the City's obligation of 25% matching funds.

JUSTIFICATION
The newly constructed Traffic Management Center (TMC) is a vital element of the Public Works (PW) facility that must have backup power in the event of a power outage in order to maintain mobility throughout the city. The PW facility also operates the main fuel station for the City which is necessary to have backup power in emergencies. The TMC was designed and constructed to serve as a backup EOC location in case of emergencies.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment	675,000	0	0	0	0	0	\$ 675,000
Contingency							
GRAND TOTAL	\$ 675,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 675,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Other Funding Sources	506,250	0	0	0	0	0	\$ 506,250
CIP Fund Balance	168,750	0	0	0	0	0	\$ 168,750
GRAND TOTAL	\$ 675,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 675,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Apr-17	Oct-17
Construction	Jun-18	Oct-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources are from federal grant funds which includes 75% FEMA and 25% City match.

City Goal:	Safest City
Reference:	
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1803	PROJECT TITLE 3 Tier High Site 10
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DESCRIPTION Installation of a new High Site that will extend existing service levels for ITS, SCADA and LPR into the newly annexed area of New Territory.

JUSTIFICATION During the Greatwood and New Territory annexation planning phase, a decision was made by the Police Department (PD), Public Works (PW), Utilities, and Information Technology (IT) annexation points of contact to install a new 3-Tier Wireless High Site. The new 3-Tier High Site is required to provide essential city services (i.e., License Plate Recognition, Traffic Management, SCADA) and extend the City's existing levels of service to the annexed communities.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	570,000	0	0	0	0	0	\$ 570,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 570,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 570,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	285,000	0	0	0	0	0	\$ 285,000
Revenue Bonds	285,000	0	0	0	0	0	\$ 285,000
GRAND TOTAL	\$ 570,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 570,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-17	Dec-19
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Annexation Assessment
Project Manager:	I.T. Department
Estimator:	I.T. Department

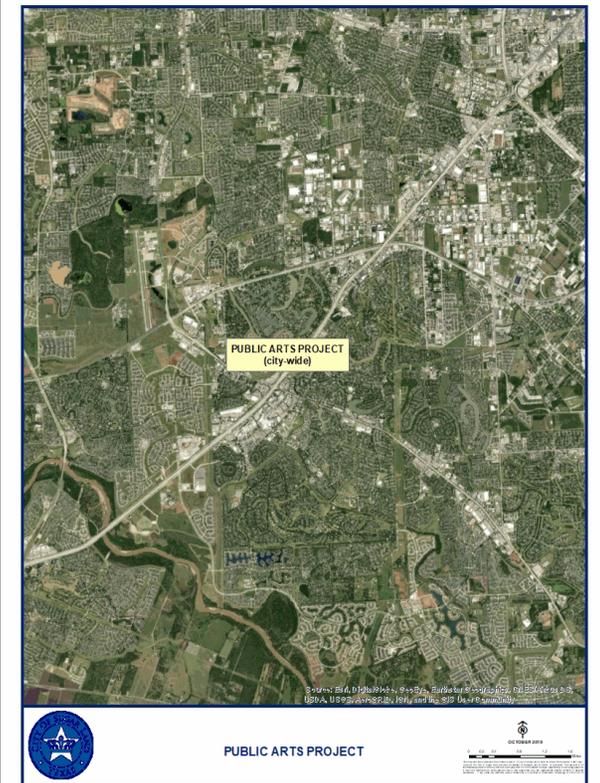
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1808	PROJECT TITLE Public Arts Project
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DESCRIPTION Public Arts project identified each year through development of the annual work plan that achieve the goals of the Public Art Plan (adopted Dec 2016).	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION The Public Art Program fulfills Priority D (Celebrate and Distinguish Sugar Land through the Cultural Arts), Recommendation 10 (Enliven Sugar Land's public spaces through public art) of the Cultural Arts Strategic Plan and Implementation Guide.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	215,000	0	0	0	0	0	\$ 215,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 215,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 215,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	190,000	0	0	0	0	0	\$ 190,000
Tourism Fund	25,000	0	0	0	0	0	\$ 25,000
GRAND TOTAL	\$ 215,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 215,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-17	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	2016 Public Art Plan
Project Manager:	Lindsay Davis
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1901	PROJECT TITLE Public Safety Training Facility
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DESCRIPTION Develop an infrastructure package including roads and utilities for the Police and Fire Department training grounds. Review existing drainage conditions, and establish grades for road work and future pad sights for training, including preparation for a fire training prop and access to accommodate a fire engine. The prop will require road access, water, electrical, concrete pad, a canopy shade structure,
JUSTIFICATION Following in the success of the interim gun range, a fire training prop for the Fire Department to utilize for training will be installed. The roads are critical in order to provide access to the north end of the training grounds. The new fire training prop will provide the fire fighters with a number of training options, the most important aspect being the fire fighters will be able train in the City and not have to travel to nearby cities to train.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	250,000	0	0	0	0	0	\$ 250,000
Construction	1,100,000	810,000	0	0	0	0	\$ 1,910,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 1,350,000	\$ 810,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,160,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	650,000	810,000	0	0	0	0	\$ 1,460,000
Other Funding Sources	600,000	0	0	0	0	0	\$ 600,000
CIP Fund Balance	100,000	0	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 1,350,000	\$ 810,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,160,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Jan-19	Jun-19
Construction	Aug-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources are 2014 Tax Notes

City Goal:	Safest City
Reference:	2015 Facilities Master Plan
Project Manager:	Lane Wolf
Estimator:	Fire/Engineering Departments

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1902	PROJECT TITLE Fire/EMS Equipment
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DESCRIPTION Purchase of training aids, bunker gear replacement and mannequins for the EMS Training facility.
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IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION EMS training is related to the transport service expansion in 2015. Personnel are required by the Texas Department of State Health Services to obtain from 72 to 144 contact hours of training in particular content areas for each certification period. Much of this training, especially at the higher certification levels, requires use of training aids, bunker gear and mannequins.
--

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment	240,000	0	0	0	0	0	\$ 240,000
Contingency							
GRAND TOTAL	\$ 240,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 240,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Other Funding Sources	240,000	0	0	0	0	0	\$ 240,000
GRAND TOTAL	\$ 240,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 240,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment	Oct-18	Dec-19

OTHER: Other funding sources are 2014 Tax Notes

City Goal:	Safest City
Reference:	TX Dept of State Health Services
Project Manager:	Fire Department
Estimator:	Fire Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

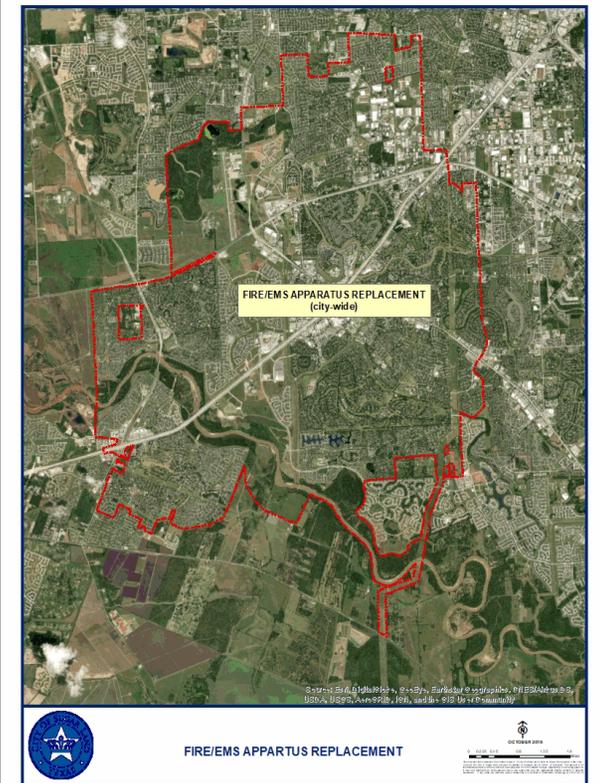
PROJECT NO. MU1903	PROJECT TITLE Fire/EMS Apparatus Replacement
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DESCRIPTION Replacement of Fire/EMS truck apparatus on the required replacement schedule to ensure first responder equipment is operable and adequate to meet demands.
JUSTIFICATION Replacement necessary for the safety and protection of Fire/EMS staff by replacing equipment as they near the useful life. This assists the Department in being able to respond to emergencies expeditiously.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment	1,440,000	0	0	0	0	0	\$ 1,440,000
Contingency							
GRAND TOTAL	\$ 1,440,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,440,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	1,440,000	0	0	0	0	0	\$ 1,440,000
GRAND TOTAL	\$ 1,440,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,440,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment	Oct-18	Dec-19

OTHER:

City Goal:	Responsible City Government
Reference:	Fire Apparatus Schedule
Project Manager:	Fire Department
Estimator:	Fire Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1905	PROJECT TITLE Fuel Tank/Dispenser Replacement - PH I
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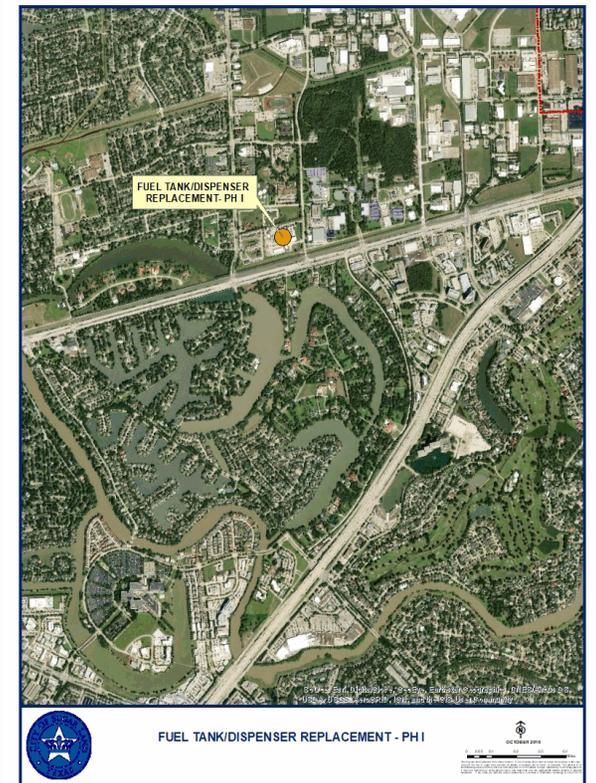
DESCRIPTION Take the three (3) oldest underground storage tanks out of service and install one (1), 10,000 gallon unleaded, above ground storage tank, including the necessary piping, dispensers, monitoring sensors, canopy and concrete pad.

JUSTIFICATION Three of the four tanks at the Public Works Service Center are over 30 years old and have exceeded their useful life. The Texas Commission on Environmental Quality (TCEQ) does not currently require tanks over 30 years of age be removed. However, many states are beginning to make this removal a requirement. While we continue to perform the tasks necessary to comply with TCEQ regulations, there is an increased risk that some of the City's underground tanks may leak.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	300,000	0	0	0	0	0	\$ 300,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	300,000	0	0	0	0	0	\$ 300,000
GRAND TOTAL	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Jan-20	Dec-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	TCEQ
Project Manager:	Engineering Department
Estimator:	ENS Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1906	PROJECT TITLE ERP Implementation-Phase II
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DESCRIPTION
An organizational project to update the City's current Enterprise Resource Planning (ERP) software. The ERP is the central application for all City business. This includes integrating critical City functions.

JUSTIFICATION
The current ERP is increasingly out of date in terms of both workflow and reporting. This has the effect of increasing both staff workload as well as increased cost to maintain multiple disparate systems across the City. A new system is needed to increase performance efficiency and enhance reporting.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment	2,025,000	1,560,000	0	0	0	0	\$ 3,585,000
Contingency							
GRAND TOTAL	\$ 2,025,000	\$ 1,560,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,585,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	2,025,000	1,560,000	0	0	0	0	\$ 3,585,000
GRAND TOTAL	\$ 2,025,000	\$ 1,560,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,585,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment	Oct-18	Dec-22

OTHER:

City Goal:	Responsible City Government
Reference:	
Project Manager:	I.T. Department
Estimator:	I.T. Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

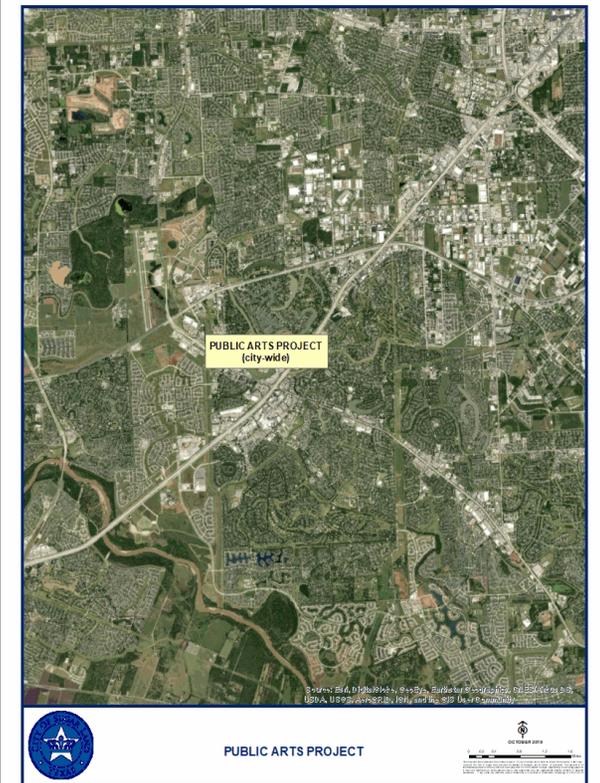
PROJECT NO. MU1907	PROJECT TITLE Public Arts Project
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DESCRIPTION The City of Sugar Land adopted its first Public Art Plan in December 2016. Each year the Public Art Plan call for the development of an Annual Work Plan and budget. FY19 proposed projects are: City Hall's 60th anniversary artwork in the atrium; temporary public art exhibition; recycled material temporary community art; and a future art planning reserve.
JUSTIFICATION The Public Art Program fulfills Priority D (Celebrate and Distinguish Sugar Land through the Cultural Arts), Recommendation 10 (Enliven Sugar Land's public spaces through public art) of the Cultural Arts Strategic Plan and Implementation Guide.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	260,000	0	0	0	0	0	\$ 260,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 260,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 260,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	210,000	0	0	0	0	0	\$ 210,000
Tourism Fund	50,000	0	0	0	0	0	\$ 50,000
GRAND TOTAL	\$ 260,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 260,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	2016 Public Art Plan
Project Manager:	Economic Development
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU1911	PROJECT TITLE High Site #2 Modifications
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<p>DESCRIPTION Relocate and modify the existing High Site #2 due to increasing technology upgrades and future redevelopment of the historic Imperial District.</p> <p>JUSTIFICATION The technology located on the high site is key to the wireless communication utilized by various City systems - including license plate recognition cameras, traffic management cameras and SCADA systems.</p>
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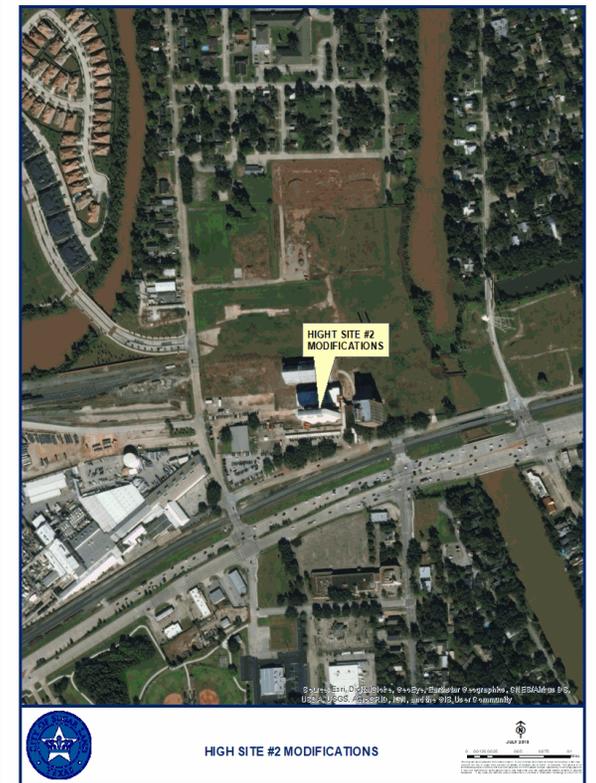
IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	320,000	0	0	0	0	0	\$ 320,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 320,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 320,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
General Revenue	80,000	0	0	0	0	0	\$ 80,000
CO's	0	0	0	0	0	0	\$ 0
System Revenues	240,000	0	0	0	0	0	\$ 240,000
GRAND TOTAL	\$ 320,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 320,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	May-19	Dec-19
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



HIGH SITE #2 MODIFICATIONS

City Goal:	Responsible City Government
Reference:	IT Assessment
Project Manager:	IT Department
Estimator:	IT Department

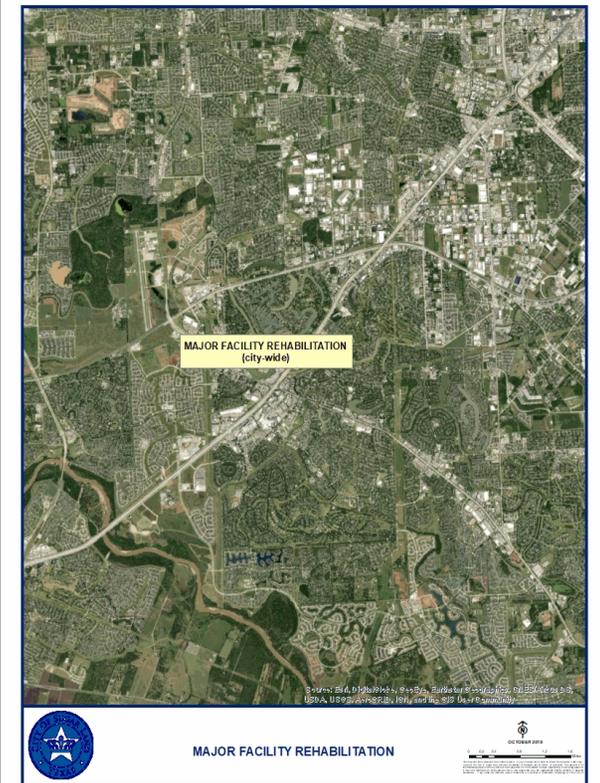
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU2001	PROJECT TITLE Major Facilities Rehabilitation
------------------------------	---

DESCRIPTION Project Includes major roof and mechanical replacements as well as other end of life appurtenances.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION Completion of improvements are required when damaged or nonfunctional systems are identified. Funding will reduce the continued deterioration & appearance of City buildings and extend the useful life of the facilities.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	1,250,000	0	0	0	0	\$ 1,250,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,250,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	1,250,000	0	0	0	0	\$ 1,250,000
GRAND TOTAL	\$ 0	\$ 1,250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,250,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Facilities Master Plan
Project Manager:	ENS Department
Estimator:	ENS Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU2002	PROJECT TITLE Public Arts Project
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DESCRIPTION Public Arts project identified each year through development of the annual work plan that achieve the goals of the Public Art Plan (adopted in Dec 2016).

JUSTIFICATION The Public Art Program fulfills Priority D (Celebrate and Distinguish Sugar Land through the Cultural Arts). Recommendation 10 (Enliven Sugar Land's public spaces through public art) of the Cultural Arts Strategic Plan and Implementation Guide.
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IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	260,000	260,000	260,000	260,000	260,000	\$ 1,300,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 260,000	\$ 1,300,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	0	210,000	210,000	210,000	210,000	210,000	\$ 1,050,000
Tourism Fund	0	50,000	50,000	50,000	50,000	50,000	\$ 250,000
GRAND TOTAL	\$ 0	\$ 260,000	\$ 1,300,000				

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Great Place To Live
Reference:	2016 Public Art Plan
Project Manager:	Economic Development
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU2003	PROJECT TITLE Senior Center Study
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<p>DESCRIPTION Study to address the growing needs of the existing T.E. Harman Senior Center. Study will include site location opportunities and constraints, building square footage needs, parking requirements, and operations. Also includes capacity/function analysis, case studies, location preferences, site testing, preliminary architecture/site design and associated cost estimate.</p> <p>JUSTIFICATION The Parks, Recreation, and Open Space Master Plan identifies the need to plan for the future to address the growing senior population and the popularity of the exiting program. Staff has completed initial in-house studies including demographics analysis, existing conditions, building needs and location issues.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">IMPACT ON OPERATING BUDGET</th> </tr> <tr> <th style="text-align: left;">Expenditures</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> </tr> </thead> <tbody> <tr> <td>Personnel</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Operating</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Capital</td> <td style="text-align: right;">0</td> </tr> <tr style="background-color: #e0e0e0;"> <td>GRAND TOTAL</td> <td style="text-align: right;">\$ 0</td> </tr> </tbody> </table>	IMPACT ON OPERATING BUDGET						Expenditures	2020	2021	2022	2023	2024	Personnel	0	0	0	0	0	Operating	0	0	0	0	0	Capital	0	0	0	0	0	GRAND TOTAL	\$ 0				
IMPACT ON OPERATING BUDGET																																					
Expenditures	2020	2021	2022	2023	2024																																
Personnel	0	0	0	0	0																																
Operating	0	0	0	0	0																																
Capital	0	0	0	0	0																																
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0																																

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	100,000	0	0	0	0	\$ 100,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	0	100,000	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Oct-19	Sep-20
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Great Place To Live
Reference:	PROSMP
Project Manager:	Engineering Department
Estimator:	Engineering Department

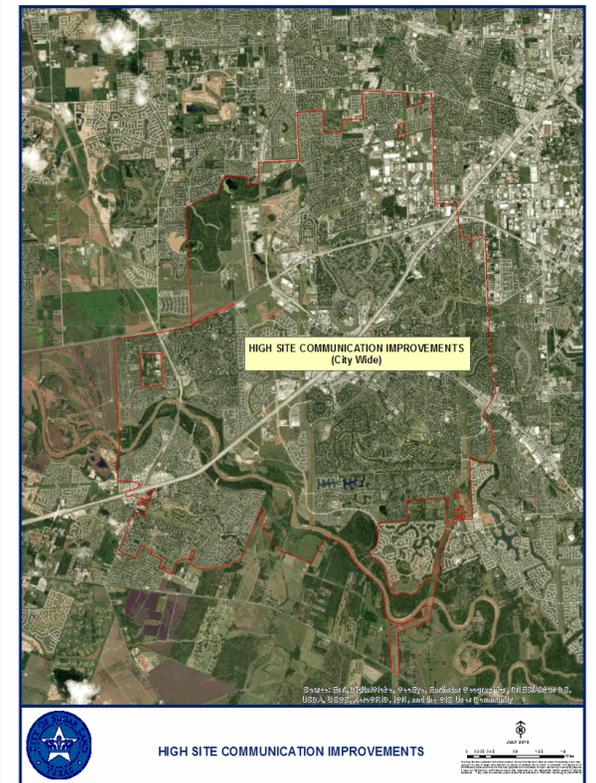
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MU2004	PROJECT TITLE High Site Communication Improvements
------------------------------	--

<p>DESCRIPTION Upgrade the 3-Tier network and switch out the hardware to provide long term functioning of the network that drives the Intelligent Transportation System (ITS) for Traffic Operations, the License Plate Recognition (LPR) for Police, and the Supervisory Control and Data Acquisition (SCADA) for water and wastewater infrastructure operations.</p> <p>JUSTIFICATION The traffic system needs reliable communications to operate efficiently and provide expanded technology of traffic management to the citizens. It also provides safe way to monitor the utility plants, providing a quality of life for residents. The City received a HGAC TIP Grant for the improvements and \$2.0M will be awarded in FY21.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">IMPACT ON OPERATING BUDGET</th> </tr> <tr> <th style="text-align: left;">Expenditures</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> </tr> </thead> <tbody> <tr> <td>Personnel</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Operating</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Capital</td> <td style="text-align: center;">0</td> </tr> <tr style="background-color: #cccccc;"> <td>GRAND TOTAL</td> <td style="text-align: center;">\$ 0</td> </tr> </tbody> </table>	IMPACT ON OPERATING BUDGET						Expenditures	2020	2021	2022	2023	2024	Personnel	0	0	0	0	0	Operating	0	0	0	0	0	Capital	0	0	0	0	0	GRAND TOTAL	\$ 0				
IMPACT ON OPERATING BUDGET																																					
Expenditures	2020	2021	2022	2023	2024																																
Personnel	0	0	0	0	0																																
Operating	0	0	0	0	0																																
Capital	0	0	0	0	0																																
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0																																

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	730,000	0	0	0	0	\$ 730,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 730,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 730,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	730,000	0	0	0	0	\$ 730,000
GRAND TOTAL	\$ 0	\$ 730,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 730,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment	Oct-19	Sep-21

OTHER:
The City received a HGAC TIP Grant for the improvements and \$2.0M will be awarded in FY21.

City Goal:	Responsible City Government
Reference:	ITS Master Plan
Project Manager:	IT Department
Estimator:	IT Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

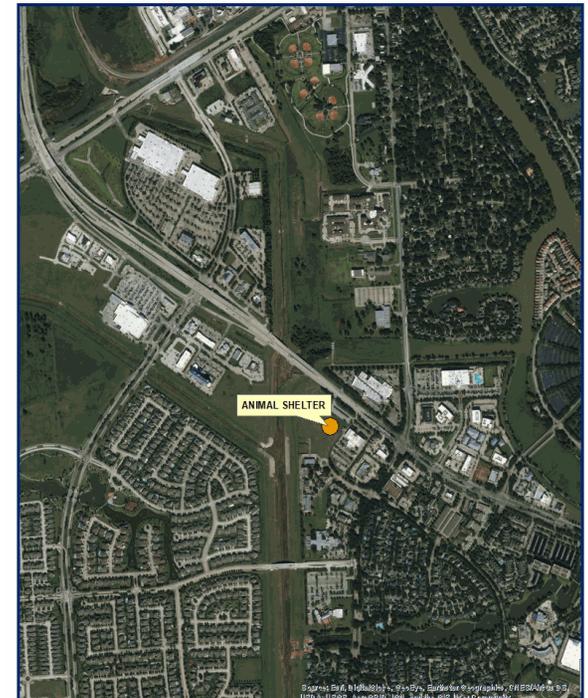
PROJECT NO. MUGOB1	PROJECT TITLE Animal Shelter (FY21-23 GO Bond Program)
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<p>DESCRIPTION Design a new animal shelter in conjunction with the PD/Court on SH6. The new shelter will accommodate the projected animal capacity needs due to annexation and growth. The project will include design and programming of the new shelter.</p> <p>JUSTIFICATION The existing animal shelter has exceeded its design capacity. Although the interim expansion provided some capacity relief, many identified needs are not met. The City Council has approved the new location for a new animal shelter.</p>	
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IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	500,000	0	0	0	0	0	\$ 500,000
Construction	0	0	0	9,000,000	0	0	\$ 9,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 500,000	\$ 0	\$ 0	\$ 9,000,000	\$ 0	\$ 0	\$ 9,500,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	500,000	0	0	0	0	0	\$ 500,000
Donations	0	0	0	2,400,000	0	0	\$ 2,400,000
GO Bonds	0	0	0	6,600,000	0	0	\$ 6,600,000
GRAND TOTAL	\$ 500,000	\$ 0	\$ 0	\$ 9,000,000	\$ 0	\$ 0	\$ 9,500,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	Facility Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

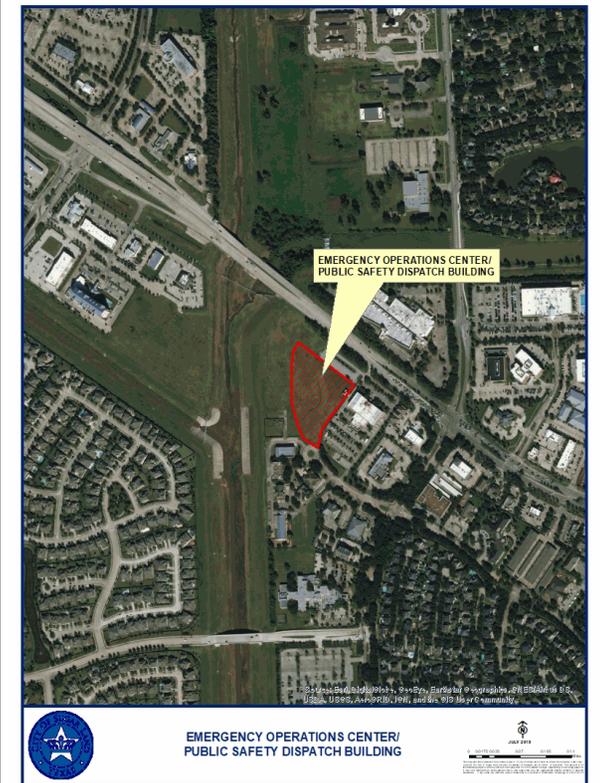
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MUGOB2	PROJECT TITLE Emergency Operations Center/Public Safety Dispatch Building (FY21-23 GO Bond Program)
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DESCRIPTION Design a new standalone building to accommodate emergency operations and public safety dispatch staff. The project will included building programming and security elements.	IMPACT ON OPERATING BUDGET																													
	<table border="1"> <thead> <tr> <th>Expenditures</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> </tr> </thead> <tbody> <tr> <td>Personnel</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> </tr> <tr> <td>Operating</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> </tr> <tr> <td>Capital</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> <td align="right">0</td> </tr> <tr> <td>GRAND TOTAL</td> <td align="right">\$ 0</td> </tr> </tbody> </table>	Expenditures	2020	2021	2022	2023	2024	Personnel	0	0	0	0	0	Operating	0	0	0	0	0	Capital	0	0	0	0	0	GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0
Expenditures	2020	2021	2022	2023	2024																									
Personnel	0	0	0	0	0																									
Operating	0	0	0	0	0																									
Capital	0	0	0	0	0																									
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0																									
JUSTIFICATION The existing Dispatch Center and Emergency Operations Center are located within the existing Police and Court Building at the Public Safety Campus. The existing Public Safety Campus site is comprised of approximately 13 acres and is planned to accommodate the renovation of the Police Department, new Municipal Court Building, a new Animal Services Building and a new Dispatch and Emergency Operations Center Building.																														

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	700,000	0	0	0	0	0	\$ 700,000
Construction	0	0	0	11,500,000	0	0	\$ 11,500,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 700,000	\$ 0	\$ 0	\$ 11,500,000	\$ 0	\$ 0	\$ 12,200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	700,000	0	0	0	0	0	\$ 700,000
GO Bonds	0	0	0	11,500,000	0	0	\$ 11,500,000
GRAND TOTAL	\$ 700,000	\$ 0	\$ 0	\$ 11,500,000	\$ 0	\$ 0	\$ 12,200,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Safest City
Reference:	Facility Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MUGOB3	PROJECT TITLE Public Safety & Public Services Building Rehabilitation (FY21-23 GO Bond Program)
------------------------------	---

DESCRIPTION Project to address building envelope repairs and/or roof replacements at locations such as City Hall, the Fire Admin/City Hall Annex building, the Police Dept, Fire Stations and Public Works. Interior renovations will be conducted at various Fire Stations the Fire Admin/City Hall Annex building and Public Works. The City's fuel system will be expanded to accommodate the City's fleet.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION The Facilities Condition Assessment (FCA) and Building Maintenance Records have identified City facilities in need of improvements to maintain functionality.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	3,000,000	0	0	\$ 3,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	3,000,000	0	0	\$ 3,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 3,000,000	\$ 0	\$ 0	\$ 3,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	FCA and Building Maintenance Records
Project Manager:	ENS Department
Estimator:	ENS Department

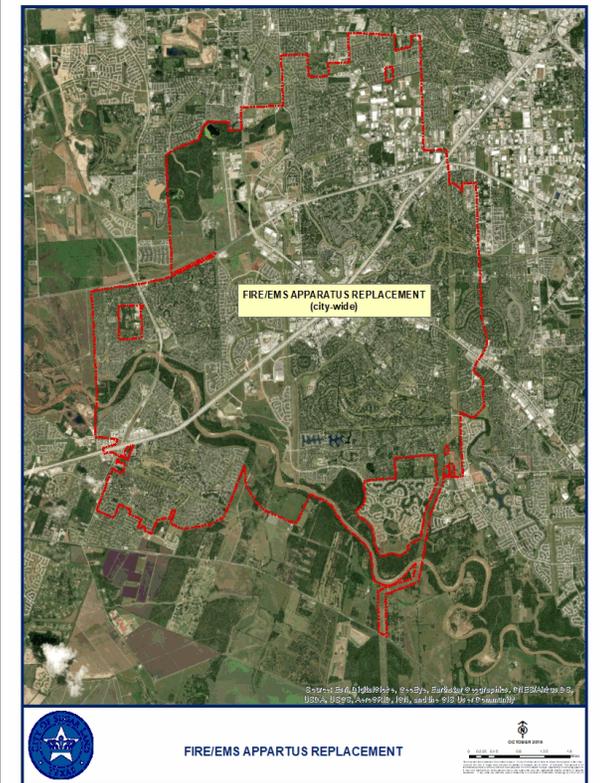
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MUGOB4	PROJECT TITLE Fire/EMS Apparatus Replacement (FY21-23 GO Bond Program)
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DESCRIPTION Replacement of two (2) Fire Apparatus and one (1) Ambulance on the required replacement schedule to ensure first responder equipment is operable and adequate to meet demands.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION As part of a routine Fire-EMS fleet replacement schedule, Fire equipment is replaced as it reaches the end of its usefulness.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment	0	0	0	1,800,000	0	0	\$ 1,800,000
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,800,000	\$ 0	\$ 0	\$ 1,800,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	1,800,000	0	0	\$ 1,800,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,800,000	\$ 0	\$ 0	\$ 1,800,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Safest City
Reference:	Fire Apparatus Schedule
Project Manager:	Fleet Division
Estimator:	Fleet Division

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Municipal**

PROJECT NO. MUGOB5	PROJECT TITLE Public Safety Training Facility- Phase II (FY21-23 GO Bond Program)
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DESCRIPTION Construction of a multi-purpose training facility, outdoor classrooms and restroom, live fire shoot house and associated paving and site work improvements for Fire and Police.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION The 2015 Facilities Master Plan identified the need for a Public Safety Training Facility for the City's public safety officers. The Public Safety Training Facility will allow the Police and Fire Departments the ability to conduct mandatory training within the City limits. Currently, police and fire train outside of Sugar Land at a shared facility in Richmond which prevents public safety responders from being available to respond to City emergencies in a timely manner.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	10,000,000	0	0	\$ 10,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 10,000,000	\$ 0	\$ 0	\$ 10,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	10,000,000	0	0	\$ 10,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 10,000,000	\$ 0	\$ 0	\$ 10,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Safest City
Reference:	2015 Facilities Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
PARKS**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
PK1506	First Colony Trail	\$ 83,375	\$ 1,550,000	\$ -	\$ -	\$ -	\$ -	\$ 1,550,000
PK1606	Brazos River Park PH II (Mid-Lake)	869,290	3,585,423	-	-	-	-	3,585,423
PK1702	Ditch H Trail	77,163	7,020,502	-	-	-	-	7,020,502
PK1704	Cullinan Park Improvements	1,073,717	-	-	-	-	-	-
PK1801	Joint Participation in CIP	147,480	-	-	-	-	-	-
PK1901	Mayfield Park Restroom	278,951	-	-	-	-	-	-
PK1902	Joint Participation in CIP	200,000	-	-	-	-	-	-
PK2001	Cullinan Park Improvements-Phase 2	-	100,000	1,000,000	-	-	-	1,100,000
PK2002	Joint Participation in CIP	-	200,000	200,000	200,000	200,000	200,000	1,000,000
	TOTAL FUNDING	\$ 2,729,976	\$ 12,455,925	\$ 1,200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 14,255,925

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	-	-	-	-	-	-	-
CDBG	278,951	-	-	-	-	-	-
2013 GO Bonds	1,029,828	12,155,925	-	-	-	-	12,155,925
SLDC	-	-	-	-	-	-	-
SL4B	347,480	200,000	200,000	200,000	200,000	200,000	1,000,000
Revenue Bonds	-	-	-	-	-	-	-
Airport Revenues	-	-	-	-	-	-	-
Tourism Fund	-	-	-	-	-	-	-
Other Funding (Donations & CIP Fund Balance)	1,073,717	100,000	1,000,000	-	-	-	1,100,000
TOTAL	\$ 2,729,976	\$ 12,455,925	\$ 1,200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 14,255,925

CITY OF SUGAR LAND
 2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
 SUMMARY BY FUNDING SOURCES - PARKS

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
First Colony Trail	\$ 1,550,000	\$ -	\$ -	\$ -	\$ -	\$ 1,550,000
Brazos River Park PH II (Mid-Lake)	3,585,423	-	-	-	-	3,585,423
Ditch H Trail	7,020,502	-	-	-	-	7,020,502
TOTAL - 2013 GO BONDS	\$ 12,155,925	\$ -	\$ -	\$ -	\$ -	\$ 12,155,925

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Joint Participation in CIP	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
TOTAL - SL4B	\$ 200,000	\$ 1,000,000				

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Cullinan Park Improvements	\$ 100,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,100,000
TOTAL - OTHER FUNDING	\$ 100,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,100,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1506	PROJECT TITLE First Colony Trail
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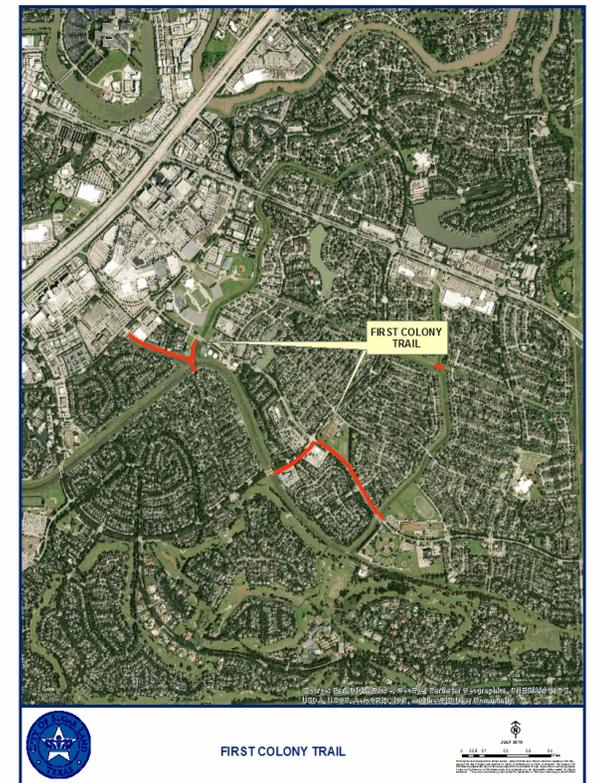
DESCRIPTION
This trail would fulfill the intent of creating a connected trail network within the First Colony area by building 10-foot wide trail connections from Lexington Blvd and Austin Parkway to the Woodstream Trail, installing a below-grade crossing on Sweetwater Blvd, and building the pedestrian bridge connecting from Mesquite Trail to Mesquite Park.

JUSTIFICATION
Completion of the 2013 Parks Bond Projects

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	83,375	100,000	0	0	0	0	\$ 183,375
Construction	0	1,450,000	0	0	0	0	\$ 1,450,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 83,375	\$ 1,550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,633,375

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	83,375	1,550,000	0	0	0	0	\$ 1,633,375
GRAND TOTAL	\$ 83,375	\$ 1,550,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,633,375



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	May-20
Construction	Jul-20	Apr-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Ped & Bike Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1606	PROJECT TITLE Brazos River Park PH II
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DESCRIPTION The final phase of this project includes a focus on the connection between the existing amenities of Brazos River Park and Sugar Land Memorial Park. Due to erosion issues from the Brazos River, City Council has recommended that the Mid-Lake and Boat House not be included in the project at this time.
JUSTIFICATION Completion of the 2013 Parks Bond Projects

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	5,000	5,000	5,000	5,000
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	150,000	0	0	0	0	\$ 150,000
Construction	869,290	3,435,423	0	0	0	0	\$ 4,304,713
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 869,290	\$ 3,585,423	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,454,713

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	869,290	3,585,423	0	0	0	0	\$ 4,454,713
GRAND TOTAL	\$ 869,290	\$ 3,585,423	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,454,713



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Jun-20
Construction	Aug-20	Apr-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	PROSMP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1702	PROJECT TITLE Ditch H Trail
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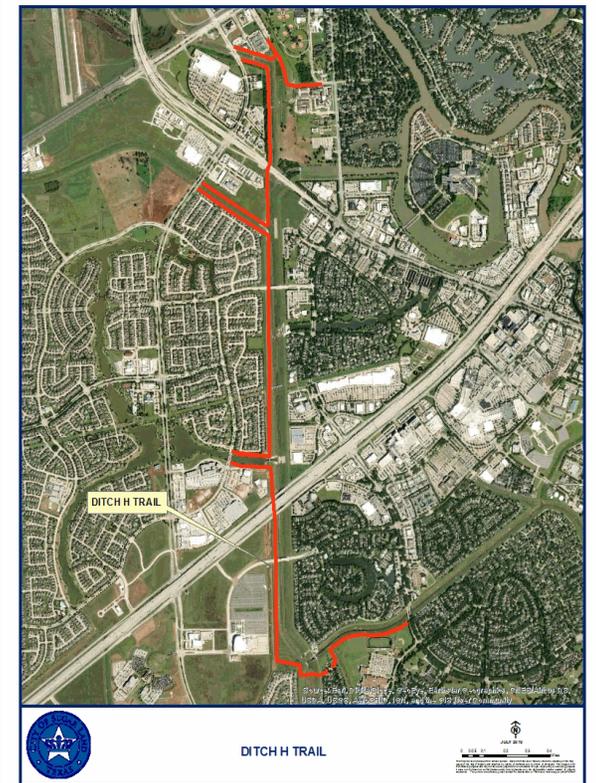
DESCRIPTION This project will provide a north/south connection between the Imperial Connector Trail and First Colony Trail network, with a 10-foot wide trail with pedestrian bridges and trailheads.

JUSTIFICATION Completion of 2013 Parks Bond Projects
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IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	77,163	500,000	0	0	0	0	\$ 577,163
Construction	0	6,520,502	0	0	0	0	\$ 6,520,502
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 77,163	\$ 7,020,502	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,097,665

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	77,163	7,020,502	0	0	0	0	\$ 7,097,665
GRAND TOTAL	\$ 77,163	\$ 7,020,502	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,097,665



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Jul-20
Construction	Sep-20	Jun-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Ped & Bike Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1704	PROJECT TITLE Cullinan Park Improvements
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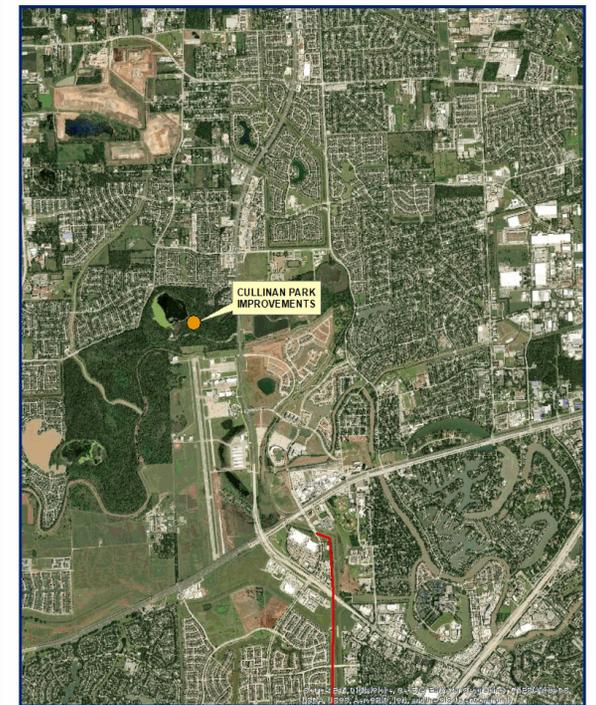
DESCRIPTION The Phase I improvements include a pre-fabricated restroom with aerobic treatment unit, connection to the Sugar Land Regional Airport waterline, electrical supply, selective under-story clearing, site furnishings, trail addition, landscape beautification and signage.

JUSTIFICATION In January 2016, the City of Sugar Land (CoSL) annexed the 754-acre Cullinan Park under an Interlocal Agreement with the City of Houston, along with a Memorandum of Understanding between the City and the Cullinan Park Conservancy. Accordingly, the City is responsible for maintaining and operating the park.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	1,073,717	0	0	0	0	0	\$ 1,073,717
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 1,073,717	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,073,717

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Donations	1,073,717	0	0	0	0	0	\$ 1,073,717
GRAND TOTAL	\$ 1,073,717	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,073,717



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Dec-19
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Interlocal Agreement/Cullinan Park
Project Manager:	Parks Department
Estimator:	Parks Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1801	PROJECT TITLE Joint Participation in CIP
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DESCRIPTION
Provide funds for joint participation in CIP projects between the City and citizen-based organizations that benefit the general public. Project takes advantage of partnering opportunities to enhance and preserve the quality of life for City residents.

JUSTIFICATION
Funding will provide community partnership opportunities. Impact to operating budget will be determined upon submission of the project requests and could determine if a project is recommended for funding.

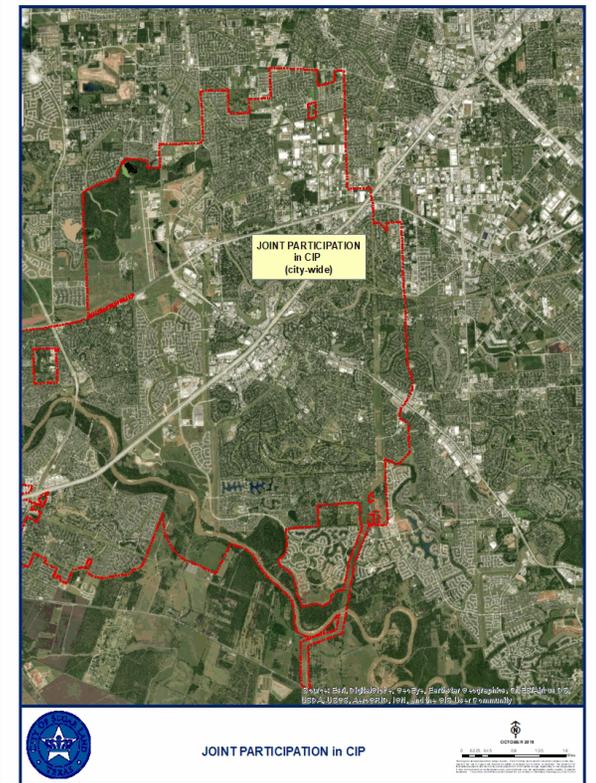
IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	147,480	0	0	0	0	0	\$ 147,480
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 147,480	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 147,480

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	147,480	0	0	0	0	0	\$ 147,480
GRAND TOTAL	\$ 147,480	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 147,480

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Apr-18	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Building Community
Reference:	Joint Participation Policy
Project Manager:	Economic Development
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1901	PROJECT TITLE Mayfield Park Restroom
------------------------------	--

DESCRIPTION
Add a restroom building to the recently expanded and renovated park. A prefabricated restroom would be procured through a cooperative purchasing method. It would be located at the site of the former Head Start school building utilizing the existing utilities.

JUSTIFICATION
During the public input phase of the original CIP project the community requested a restroom be added to the list of improvements to the park. At the time the project funding would not accommodate the restroom. A commitment was made to the community to pursue funding for the addition of the restroom.

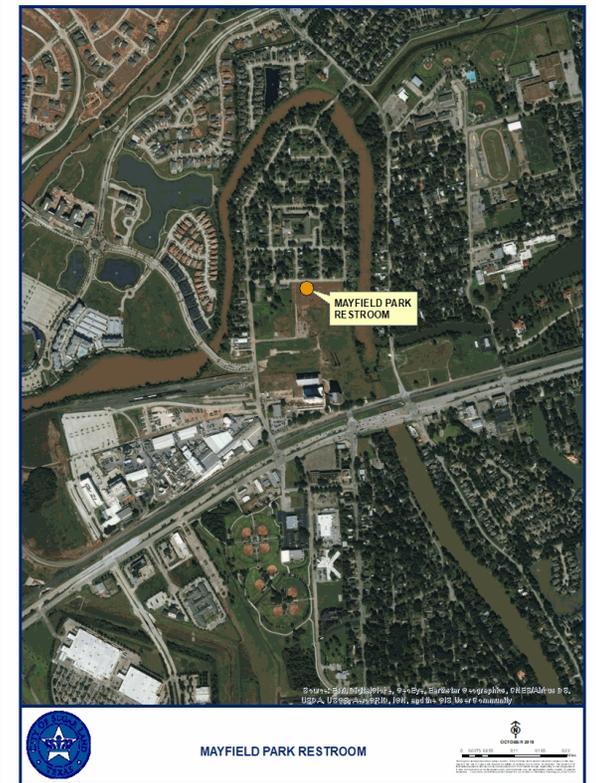
IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	25,000	0	0	0	0	0	\$ 25,000
Construction	253,951	0	0	0	0	0	\$ 253,951
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 278,951	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 278,951

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CDBG	278,951	0	0	0	0	0	\$ 278,951
GRAND TOTAL	\$ 278,951	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 278,951

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Nov-18	Apr-19
Construction	Jun-19	Apr-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal: Building Community
 Reference:
 Project Manager: Engineering Department
 Estimator: Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK1902	PROJECT TITLE Joint Participation in CIP
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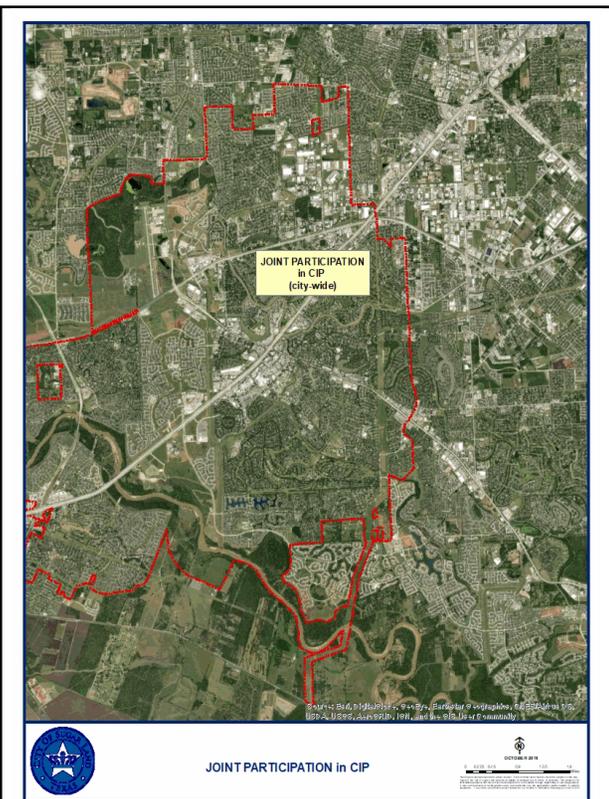
DESCRIPTION
Provide funds for joint participation in CIP projects between the City and citizen-based organizations that benefit the general public. Project takes advantage of partnering opportunities to enhance and preserve the quality of life for City residents.

JUSTIFICATION
Funding will provide community partnership opportunities. Impact to operating budget will be determined upon submission of the project request(s) and could determine if a project(s) is recommended for funding.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	200,000	0	0	0	0	0	\$ 200,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	200,000	0	0	0	0	0	\$ 200,000
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Building Community
Reference:	Joint Participation Policy
Project Manager:	Economic Development
Estimator:	Economic Development

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK2001	PROJECT TITLE Cullinan Park Improvements - PH II
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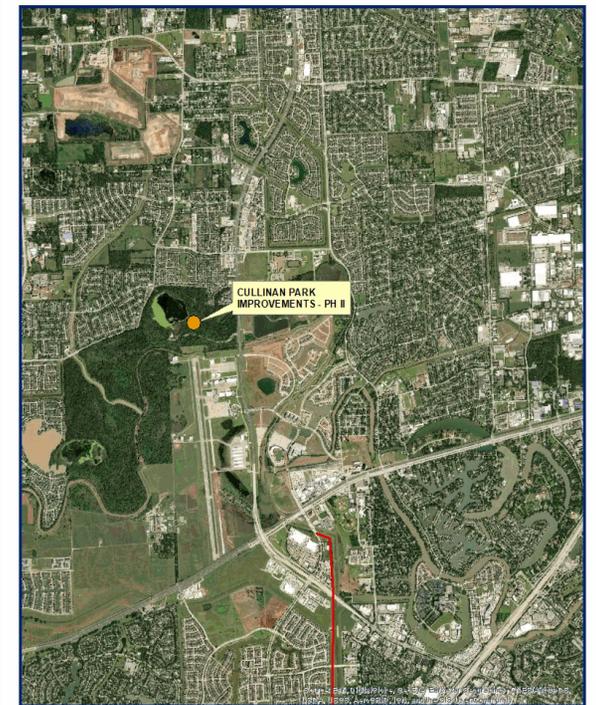
DESCRIPTION
The Phase II project will potentially include a Nature Play Area and a Loop Trail around White Lake, which was awarded funding from the Texas Parks and Wildlife grant. The Cullinan Park Conservancy will determine the next project to move forward pending the funding.

JUSTIFICATION
In January 2016, the City of Sugar Land (CoSL) annexed the 754-acre Cullinan Park under an Interlocal Agreement with the City of Houston, along with a Memorandum of Understanding between the City and the Cullinan Park Conservancy. Accordingly, the City is responsible for maintaining and operating the park.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	100,000	0	0	0	0	\$ 100,000
Construction	0	0	1,000,000	0	0	0	\$ 1,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 100,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Other Funding Sources	0	100,000	1,000,000	0	0	0	\$ 1,100,000
GRAND TOTAL	\$ 0	\$ 100,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,100,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Jan-20
Construction	Oct-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Interlocal Agreement/Cullinan Park
Project Manager:	Parks Department
Estimator:	Parks Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Parks**

PROJECT NO. PK2002	PROJECT TITLE Joint Participation in CIP
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DESCRIPTION
Provide funds for joint participation in CIP projects between the City and citizen-based organizations that benefit the general public. Project takes advantage of partnering opportunities to enhance and preserve the quality of life for City residents.

JUSTIFICATION
Funding will provide community partnership opportunities. Impact to operating budget will be determined upon submission of the project request(s) and could determine if a project(s) is recommended for funding.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	200,000	200,000	200,000	200,000	200,000	\$ 1,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 200,000	\$ 1,000,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	0	200,000	200,000	200,000	200,000	200,000	\$ 1,000,000
GRAND TOTAL	\$ 0	\$ 200,000	\$ 1,000,000				

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-23
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Building Community
Reference:	Joint Participation Policy
Project Manager:	Economic Development
Estimator:	Economic Development

CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
STREETS

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
ST1404	State Highway 6 Improvements - Brooks Street to Lexington Blvd	\$ 5,990,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ST1405	Dairy Ashford Widening Improvements	7,281,730	-	-	-	-	-	-
ST1408	Williams Trace - PH I (Austin Pkwy to SH6) Reconstruction	7,081,100	-	-	-	-	-	-
ST1703	SH6 Beautification Planning	100,000	-	-	-	-	-	-
ST1704	SH6 @ First Colony Intersection Improvements	460,000	-	-	-	-	-	-
ST1802	Wayfinding Signs	275,000	-	-	-	-	-	-
ST1903	Major Street Rehabilitation	3,082,056	-	-	-	-	-	-
ST2001	Bridge Rehabilitation	-	200,000	-	-	-	-	200,000
ST2002	Major Street Rehabilitation	-	5,000,000	-	-	-	-	5,000,000
ST2003	Owens Road Project - Mobility Bond Project	-	150,000	3,320,000	-	-	-	3,470,000
STGOB1	Soldiers Field Ext/Roundabout at First Colony Blvd & Brooks St Intersection Impr (FY21-23 GO Bond Program)	200,000	-	-	2,460,000	-	-	2,460,000
STGOB2	University Blvd Widening- Mobility Bond Project (FY21-23 GO Bond Program)	-	-	-	1,700,000	-	-	1,700,000
STGOB3	Citywide Transportation & Mobility Studies (FY21-23 GO Bond Program)	-	-	-	400,000	-	-	400,000
STGOB4	Major Street Rehabilitation (FY21-23 GO Bond Program)	-	-	-	4,000,000	-	-	4,000,000
STGOB5	Country Club Blvd Improvements from Sugar Creek to Chesterfield (FY21-23 GO Bond Program)	-	-	-	1,700,000	-	-	1,700,000
TOTAL FUNDING		\$ 24,469,886	\$ 5,350,000	\$ 3,320,000	\$ 10,260,000	\$ -	\$ -	\$ 18,930,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	15,840,336	5,200,000	-	-	-	-	5,200,000
SLDC		150,000	3,320,000	-	-	-	3,470,000
SL4B	757,000	-	-	-	-	-	-
Revenue Bonds	1,712,550	-	-	-	-	-	-
FY21-23 GO Bond Program	-	-	-	10,260,000	-	-	10,260,000
System Revenues	10,000	-	-	-	-	-	-
Other Funding	6,150,000	-	-	-	-	-	-
TOTAL	\$ 24,469,886	\$ 5,350,000	\$ 3,320,000	\$ 10,260,000	\$ -	\$ -	\$ 18,930,000

CITY OF SUGAR LAND
 2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
 SUMMARY BY FUNDING SOURCES - STREETS

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Bridge Rehabilitation	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Major Street Rehabilitation	5,000,000	-	-	-	-	5,000,000
TOTAL - CO's	\$ 5,200,000	\$ -	\$ -	\$ -	\$ -	\$ 5,200,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Owens Rd - Mobility Bond Project	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000
TOTAL - SLDC	\$ 150,000	\$ 3,320,000	\$ -	\$ -	\$ -	\$ 3,470,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Soldiers Field Ext/Roundabout at First Colony Blvd & Brooks St Intersection Impr (FY21-23 GO Bond Program)	\$ -	\$ -	\$ 2,460,000	\$ -	\$ -	\$ 2,460,000
University Blvd Widening- Mobility Bond Project (FY21-23 GO Bond Program)	-	-	1,700,000	-	-	1,700,000
Citywide Transportation & Mobility Studies (FY21-23 GO Bond Program)	-	-	400,000	-	-	400,000
Major Street Rehabilitation (FY21-23 GO Bond Program)	-	-	4,000,000	-	-	4,000,000
Country Club Blvd Improvements from Sugar Creek to Chesterfield (FY21-23 GO Bond Program)	-	-	1,700,000	-	-	1,700,000
TOTAL - FY21-23 GO BOND PROGRAM	\$ -	\$ -	\$ 10,260,000	\$ -	\$ -	\$ 10,260,000

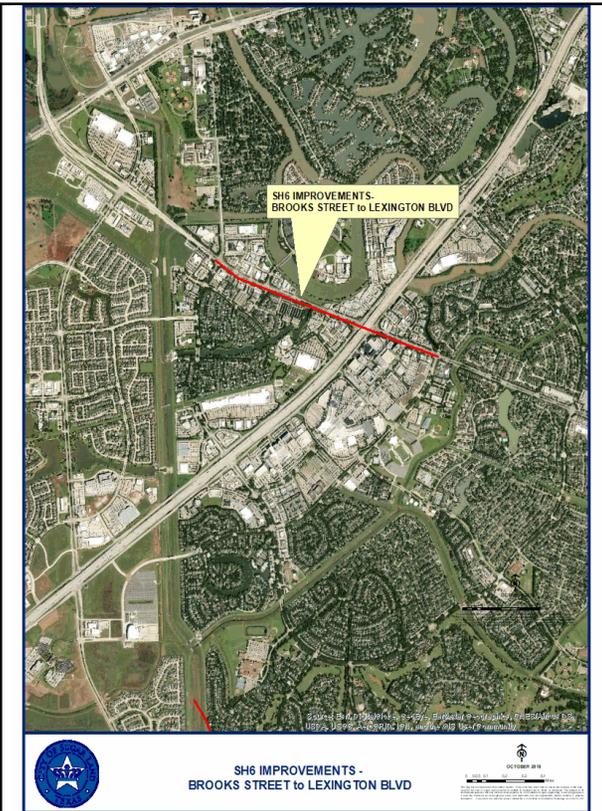
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1404	PROJECT TITLE State Highway 6 Improvements - Brooks Street to Lexington Blvd
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DESCRIPTION Construction and Right-of-way acquisition to facilitate expansion of SH6 to eight lanes from Brooks Street to Lexington Boulevard.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION In order to increase traffic flow and efficiency along SH6, this project will add additional pavement, extending turn lanes, modify portions of medians, and reconfigure current lane assignments.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	5,990,000	0	0	0	0	0	\$ 5,990,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 5,990,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,990,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	4,090,000	0	0	0	0	0	\$ 4,090,000
Revenue Bonds	500,000	0	0	0	0	0	\$ 500,000
Other Funding Sources	1,400,000	0	0	0	0	0	\$ 1,400,000
GRAND TOTAL	\$ 5,990,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,990,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Jun-15	Sep-16
Construction	Jun-19	Dec-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources are from grant funds, which include Fort Bend County and TXDOT

City Goal:	Safest City
Reference:	Comprehensive Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1405	PROJECT TITLE Dairy Ashford Widening
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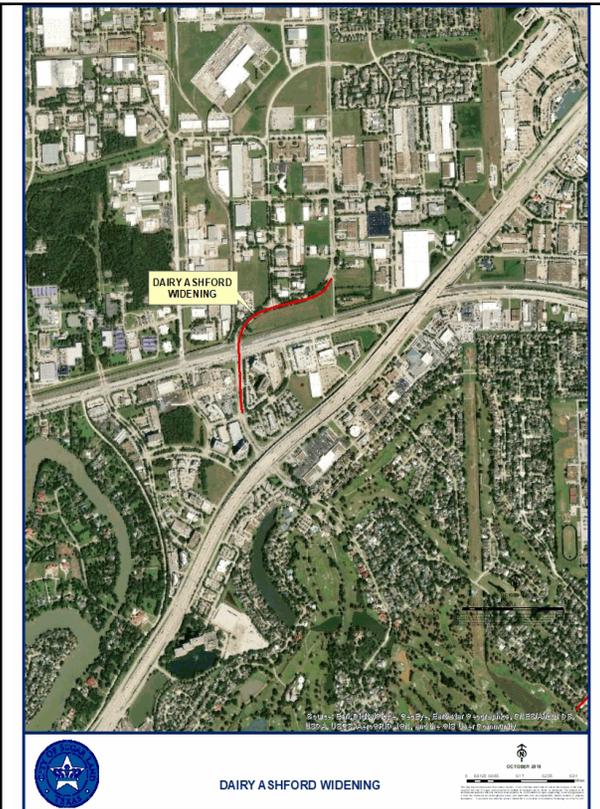
DESCRIPTION
The PER recommended additional through and turn lanes at Dairy Ashford at US90A. This requires an increase of one through lane in each direction north and south from Parklane Blvd to beyond Julie Rivers Drive. Installation of a directional median along Dairy Ashford at Parklane Blvd to restrict traffic exiting to a right-turn only.

JUSTIFICATION
The primary bottleneck for Dairy Ashford from US59 to Julie Rivers is the intersection at Dairy Ashford at US90A. All north and south bound movements are at a Level of Service (LOS) E or F.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	6,871,730	0	0	0	0	0	\$ 6,871,730
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency	410,000	0	0	0	0	0	\$ 410,000
GRAND TOTAL	\$ 7,281,730	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,281,730

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	1,664,730	0	0	0	0	0	\$ 1,664,730
SL4B	382,000	0	0	0	0	0	\$ 382,000
System Revenues	10,000	0	0	0	0	0	\$ 10,000
Revenue Bonds	475,000	0	0	0	0	0	\$ 475,000
Other Funding Sources	4,750,000	0	0	0	0	0	\$ 4,750,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Mar-14	May-18
Construction	Aug-18	Jan-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources include MUD21 fund balance, Fort Bend County, and CIP bond fund balance

City Goal:	Responsible City Government
Reference:	Comprehensive Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1408	PROJECT TITLE Williams Trace Blvd- PH I (Irrigation Replacement)
------------------------------	--

DESCRIPTION Replacement of Williams Trace Boulevard irrigation from Austin Parkway to State Highway 6.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
JUSTIFICATION Williams Trace Boulevard was reconstructed due to pavement depreciation, drainage issues and soil instabilities. The remaining funds are being used to replace the irrigation impacted by the reconstruction of the roadway.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	7,081,100	0	0	0	0	0	\$ 7,081,100
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 7,081,100	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,081,100

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	6,343,550	0	0	0	0	0	\$ 6,343,550
Revenue Bonds	737,550	0	0	0	0	0	\$ 737,550
GRAND TOTAL	\$ 7,081,100	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,081,100



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Aug-19	Feb-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Pavement Assessment
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1703	PROJECT TITLE SH6 Beautification Planning
------------------------------	---

DESCRIPTION Planning for landscaping improvements done after completion of the SH6 widening project from US90A to Dulles Avenue.
--

JUSTIFICATION Restoration of irrigation and landscaping disrupted from the construction project.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	100,000	0	0	0	0	0	\$ 100,000
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	100,000	0	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design	Jan-18	Jan-20
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Streetscape Policy
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

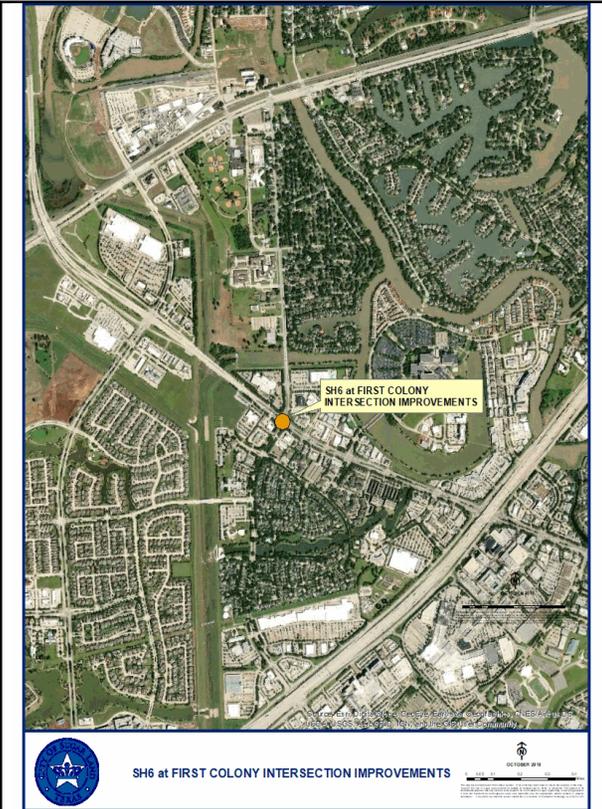
PROJECT NO. ST1704	PROJECT TITLE SH6 at First Colony Intersection Improvements
------------------------------	---

DESCRIPTION Design and construction of geometric and signal timing improvements to provide for concurrent left turn movements from the Brooks Street and First Colony Boulevard approaches.
JUSTIFICATION Provide better traffic mobility at the intersection.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	60,000	0	0	0	0	0	\$ 60,000
Construction	400,000	0	0	0	0	0	\$ 400,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 460,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 460,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	460,000	0	0	0	0	0	\$ 460,000
GRAND TOTAL	\$ 460,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 460,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Mar-17	Dec-17
Construction	Nov-21	Apr-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Traffic Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1802	PROJECT TITLE Wayfinding Signs
------------------------------	--

DESCRIPTION Installation of strategic signs at the selected locations on local routes to better direct Pedestrian/Bicycles/drivers to their destinations.
JUSTIFICATION Tourists and visitors to Sugar Land will be able to maneuver throughout the City's Pedestrian/Bicycles/vehicles with more efficiency with placement of the signs at selected locations to provide direction to destinations locations.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	60,000	0	0	0	0	0	\$ 60,000
Design	0	0	0	0	0	0	\$ 0
Construction	215,000	0	0	0	0	0	\$ 215,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 275,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 275,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	275,000	0	0	0	0	0	\$ 275,000
GRAND TOTAL	\$ 275,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 275,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Aug-20
Construction	Oct-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Great Place To Live
Reference:	Wayfinding Signs
Project Manager:	Engineering Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST1903	PROJECT TITLE Major Street Rehabilitation
------------------------------	---

DESCRIPTION Annual street pavement rehabilitation program as identified by the Pavement Management and Maintenance Program (PMMP). This project includes major street rehabilitation as identified by the pavement assessment rankings. Locations include West Airport, Austin Parkway, Longview, and Greenbriar.
JUSTIFICATION The PMMP was developed to assist in maximizing the usable life of pavement infrastructure through strategic maintenance practices including pavement replacement.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	3,082,056	0	0	0	0	0	\$ 3,082,056
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 3,082,056	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,082,056

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	3,082,056	0	0	0	0	0	\$ 3,082,056
GRAND TOTAL	\$ 3,082,056	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,082,056

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Dec-19
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	PMMP
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST2001	PROJECT TITLE Bridge Rehabilitation
------------------------------	---

DESCRIPTION Maintenance repairs to the Sweetwater westbound bridge over Alcorn Bayou. Maintenance will include partial depth repair of concrete deck, reconstruct sidewalk, replace existing wing walls and backfill approaches

JUSTIFICATION The weight limit capacity was downgraded due to the necessary repairs by the Texas Department of Transportation bi-annual bridge safety rating program.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	200,000	0	0	0	0	\$ 200,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	200,000	0	0	0	0	\$ 200,000
GRAND TOTAL	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	TxDOT Rating Report
Project Manager:	Public Works
Estimator:	Public Works

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST2002	PROJECT TITLE Major Street Rehabilitation
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DESCRIPTION
Annual street pavement rehabilitation program as identified by the Pavement Management and Maintenance Program (PMMP). This project includes Lexington Blvd (from SH 6 to Williams Trace Blvd), Pinecroft, Palm Royale, 7th Street (Bournewood to Woodlake), Dulles Avenue (Lexington Blvd to East Avenue) and other associated areas.

JUSTIFICATION
The PMMP was developed to assist in maximizing the usable life of pavement infrastructure through strategic maintenance practices including pavement replacement.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	5,000,000	0	0	0	0	\$ 5,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 5,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	5,000,000	0	0	0	0	\$ 5,000,000
GRAND TOTAL	\$ 0	\$ 5,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	PMMP
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. ST2003	PROJECT TITLE Owens Road - Mobility Bond Project
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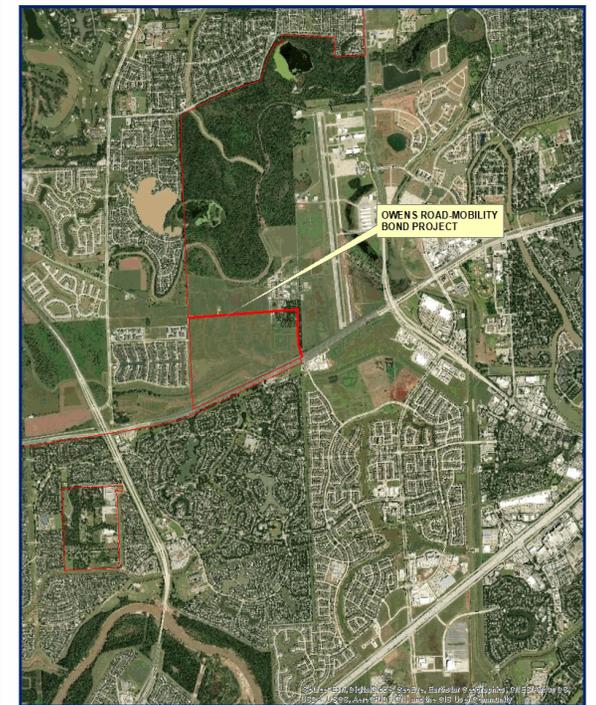
DESCRIPTION Design and construction of a 2-lane, boulevard section with curb and gutter, storm sewer. Section will accommodate future widening to 4-lanes. Also improvements to the intersection and traffic signal at US90A, upgrade the railroad crossing and construct and outfall/overflow channel.

JUSTIFICATION Improve mobility and enhance economic development within the Central Prison Unit Tract 2 area.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	150,000	0	0	0	0	\$ 150,000
Construction	0	0	3,320,000	0	0	0	\$ 3,320,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 150,000	\$ 3,320,000	\$ 0	\$ 0	\$ 0	\$ 3,470,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SLDC	0	150,000	3,320,000	0	0	0	\$ 3,470,000
GRAND TOTAL	\$ 0	\$ 150,000	\$ 3,320,000	\$ 0	\$ 0	\$ 0	\$ 3,470,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Nov-20
Construction	Jan-21	Sep-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Mobility Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

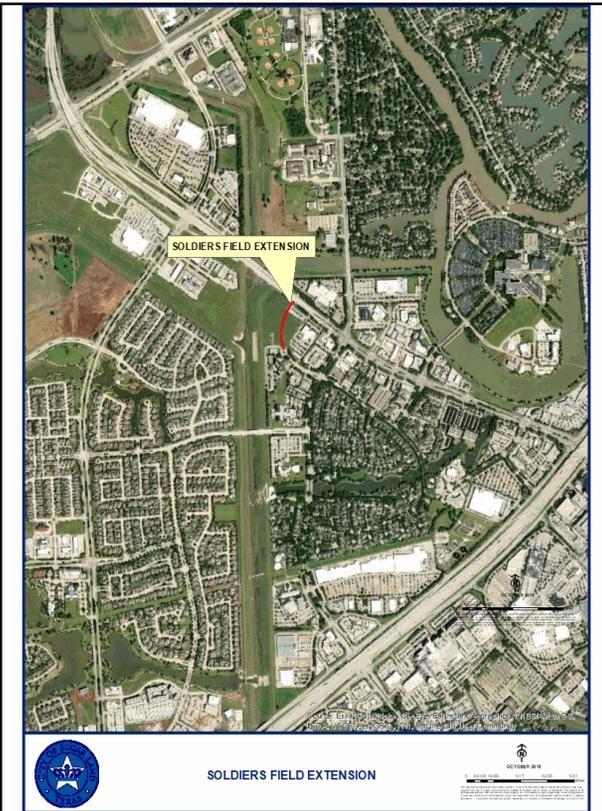
PROJECT NO. STGOB1	PROJECT TITLE Soldiers Field Ext/Roundabout at First Colony Blvd & Brooks St Impr (FY21-23 GO Bond Program)
------------------------------	---

DESCRIPTION Design and construction of a 2-lane, concrete pavement, storm sewer installation, and utilities from the existing Soldiers Field and First Colony Blvd intersection to State Highway 6. Project also includes a roundabout at the intersection of Soldiers Field Drive and First Colony Blvd.
JUSTIFICATION To improve efficiency at the Solders Field and First Colony Blvd. intersection, as traffic backs up from the First Colony/Highway 6 intersection. To improve access to the Police and Municipal Court building and to the proposed new EOC/Dispatch and Animal Shelter facilities.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	200,000	0	0	0	0	0	\$ 200,000
Construction	0	0	0	2,460,000	0	0	\$ 2,460,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 2,460,000	\$ 0	\$ 0	\$ 2,660,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	200,000	0	0	0	0	0	\$ 200,000
GO Bonds	0	0	0	2,460,000	0	0	\$ 2,460,000
GRAND TOTAL	\$ 200,000	\$ 0	\$ 0	\$ 2,460,000	\$ 0	\$ 0	\$ 2,660,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Funding subject to approval by voters in the GO bond election.
Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	Epic Transportation Group Study
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. STGOB2	PROJECT TITLE University Blvd Widening- Mobility Bond Project (FY21-23 GO Bond Program)
------------------------------	---

DESCRIPTION Widen existing University Blvd one-lane in each direction from New Territory Blvd to Wentworth Blvd. Included in Fort Bend County 2013 and 2017 Mobility Bonds.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION Improve mobility and enhance future economic development.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	204,000	0	0	\$ 204,000
Construction	0	0	0	1,496,000	0	0	\$ 1,496,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,700,000	\$ 0	\$ 0	\$ 1,700,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	1,700,000	0	0	\$ 1,700,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,700,000	\$ 0	\$ 0	\$ 1,700,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Great Place To Live
Reference:	Mobility Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. STGOB3	PROJECT TITLE Citywide Transportation & Mobility Studies (FY21-23 GO Bond Program)
------------------------------	--

DESCRIPTION Conduct localized street improvements in various locations around the City to upgrade infrastructure in neighborhood locations that have been identified through the Pavement Management and Maintenance Program (PMMP).	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION The PMMP was developed to assist in maximizing the usable life of pavement infrastructure through strategic maintenance practices including pavement replacement.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	400,000	0	0	\$ 400,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 400,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	400,000	0	0	\$ 400,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 400,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	PMMP
Project Manager:	Public Works
Estimator:	Public Works

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. STGOB4	PROJECT TITLE Major Street Rehabilitation (FY21-23 GO Bond Program)
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DESCRIPTION Reconstruction of roadways identified as part of the Pavement Management and Maintenance Program (PMMP): including Park One Drive, portion of West Airport Blvd and local streets such as: Abbott Circle and Audubon Ct. Funding is planned for pavement assessment and others as identified in the PMMP.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION The PMMP was developed to assist in maximizing the usable life of pavement infrastructure through strategic maintenance practices including pavement replacement.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	4,000,000	0	0	\$ 4,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 4,000,000	\$ 0	\$ 0	\$ 4,000,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	4,000,000	0	0	\$ 4,000,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 4,000,000	\$ 0	\$ 0	\$ 4,000,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	PMMP
Project Manager:	Public Works
Estimator:	Public Works

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Streets**

PROJECT NO. STGOB5	PROJECT TITLE Country Club Blvd Improvements from Sugar Creek to Chesterfield (FY21-23 GO Bond Program)
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DESCRIPTION Reconstruction of Country Club Boulevard from Sugar Creek Boulevard to Chesterfield Lane. The project is coordinated with drainage improvements for Montclair Drive.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION Annual street pavement rehabilitation program (Pavement Management/Maintenance Program-PMMP) has identified the portion of the street needing reconstruction to improve rideability quality.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	0	0	1,700,000	0	0	\$ 1,700,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,700,000	\$ 0	\$ 0	\$ 1,700,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
GO Bonds	0	0	0	1,700,000	0	0	\$ 1,700,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 1,700,000	\$ 0	\$ 0	\$ 1,700,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
 Funding subject to approval by voters in the GO bond election.
 Project timing subject to change after discussion with City Council.

City Goal:	Responsible City Government
Reference:	PMMP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SURFACE WATER**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
SW2001	Surface Water Treatment Plant Expansion	\$ -	\$ 605,250	\$ -	\$ 1,815,750	\$ 38,246,000	\$ -	\$ 40,667,000
SW2002	Surface Water Transmission Line to New Territory GWT/Route	-	160,000	-	417,750	8,795,000	-	9,372,750
SW2003	Surface Water Treatment Plant Yard Pipe & Aerial Crossing Recoating	-	300,000	-	-	-	-	300,000
SW2101	New Territory GWP Surface Water Conversion	-	-	165,000	495,000	10,428,000	-	11,088,000
SW2102	Automated Meter Integration (AMI)	-	-	1,710,700	9,656,400	-	-	11,367,100
	TOTAL FUNDING	\$ -	\$ 1,065,250	\$ 1,875,700	\$ 12,384,900	\$ 57,469,000	\$ -	\$ 72,794,850

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	-	-	-	-	-	-	-
SLDC	-	-	-	-	-	-	-
SL4B	-	-	-	-	-	-	-
Revenue Bonds	-	1,065,250	1,875,700	12,384,900	57,469,000	-	72,794,850
System Revenues	-	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 1,065,250	\$ 1,875,700	\$ 12,384,900	\$ 57,469,000	\$ -	\$ 72,794,850

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - SURFACE WATER**

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Surface Water Treatment Plant Expansion	\$ 605,250	\$ -	\$ 1,815,750	\$ 38,246,000	\$ -	\$ 40,667,000
Surface Water Transmission Line to New Territory GWT/Route	160,000	-	417,750	8,795,000	-	9,372,750
Surface Water Treatment Plant Yard Pipe and Aerial Crossing Recoating	300,000	-	-	-	-	300,000
New Territory GWP Surface Water Conversion Assessments/Design/Construction	-	165,000	495,000	10,428,000	-	11,088,000
Automated Meter Integration (AMI)	-	1,710,700	9,656,400	-	-	11,367,100
TOTAL - REVENUE BONDS	\$ 1,065,250	\$ 1,875,700	\$ 12,384,900	\$ 57,469,000	\$ -	\$ 72,794,850

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Surface Water**

PROJECT NO. SW2001	PROJECT TITLE Surface Water Treatment Plant Expansion
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DESCRIPTION Preliminary Engineering (PER), design and construction of the Surface Water Treatment Plant expansion from its current rated capacity of 10.85 MGD to 22 MGD.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION Fort Bend Subsidence District requires the City to convert to 60% surface water supply by 2025. To meet this second phase surface water conversion requirement, the existing Surface Water Treatment Plant will need to be expanded.
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PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	0	605,250	0	0	0	0	\$ 605,250
Design	0	0	0	1,815,750	0	0	\$ 1,815,750
Construction	0	0	0	0	38,246,000	0	\$ 38,246,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 605,250	\$ 0	\$ 1,815,750	\$ 38,246,000	\$ 0	\$ 40,667,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	605,250	0	1,815,750	38,246,000	0	\$ 40,667,000
GRAND TOTAL	\$ 0	\$ 605,250	\$ 0	\$ 1,815,750	\$ 38,246,000	\$ 0	\$ 40,667,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design	Oct-19	Sep-21
Design	Nov-21	Sep-22
Construction	Nov-22	Jan-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	IWRP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Surface Water**

PROJECT NO. SW2002	PROJECT TITLE Surface Water Transmission Line to New Territory GWT/Route
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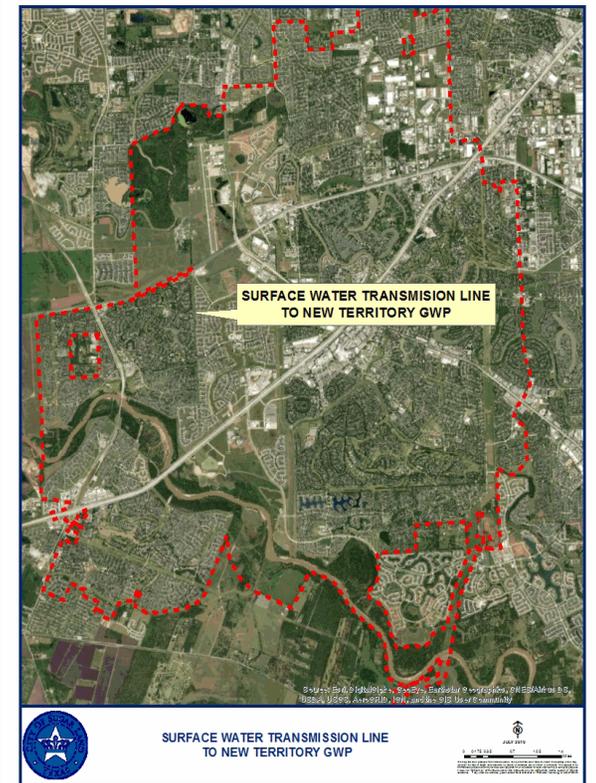
DESCRIPTION
Conduct an engineering assessment to identify the required size of the transmission line, most feasible route and any easement needs. Project also includes design and construction of the surface water transmission line.

JUSTIFICATION
Fort Bend Subsidence District requires the City to convert to 60% surface water supply by 2025. To meet this second phase surface water conversion requirement, the treated surface water will be delivered to the New Territory area per the 2012 Water Master Plan.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	160,000	0	0	0	0	\$ 160,000
Preliminary Engineering Design							
Design	0	0	0	417,750	0	0	\$ 417,750
Construction	0	0	0	0	8,795,000	0	\$ 8,795,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 160,000	\$ 0	\$ 417,750	\$ 8,795,000	\$ 0	\$ 9,372,750

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	160,000	0	417,750	8,795,000	0	\$ 9,372,750
GRAND TOTAL	\$ 0	\$ 160,000	\$ 0	\$ 417,750	\$ 8,795,000	\$ 0	\$ 9,372,750



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Oct-19	Sep-20
Preliminary Engineering Design		
Design	Nov-21	Aug-22
Construction	Oct-22	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	IWRP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Surface Water**

PROJECT NO. SW2003	PROJECT TITLE Surface Water Treatment Plant Yard Pipe and Aerial Crossings Recoating
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DESCRIPTION Recoating of above ground piping at the Surface Water Treatment Plant (SWTP) as well as three (3) aerial crossings along the surface water transmission system.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
	GRAND TOTAL	\$ 0				
JUSTIFICATION The Surface Water Treatment Plant (SWTP) has been in service since 2013. The above ground yard piping and aerial crossings throughout the City where water distribution pipes cross major water ways or drainage structures is beginning to peel on the yard pipes and rust at three (3) aerial crossings. Repairs are necessary to prevent further degradation and wear of the pipes which will cause them to fail.						

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	300,000	0	0	0	0	\$ 300,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	300,000	0	0	0	0	\$ 300,000
GRAND TOTAL	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Public Works Assessment
Project Manager:	Public Works
Estimator:	Public Works

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Surface Water**

PROJECT NO. SW2101	PROJECT TITLE New Territory GWP Surface Water Conversion
------------------------------	--

DESCRIPTION Conduct Preliminary Engineering (PER), design and construction at one of the existing New Territory Groundwater Treatment Plant to prepare for the second phase surface water conversion, including identify needed storage needs, pumping capacity assessments, and surface water and ground water blending study.
JUSTIFICATION Fort Bend Subsidence District requires the City to convert to 60% surface water supply by 2025. To meet this second phase surface water conversion requirement, the treated surface water will be delivered to the New Territory area per the 2012 Water Master Plan.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	0	0	165,000	0	0	0	\$ 165,000
Design	0	0	0	495,000	0	0	\$ 495,000
Construction	0	0	0	0	10,428,000	0	\$ 10,428,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 165,000	\$ 495,000	\$ 10,428,000	\$ 0	\$ 11,088,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	0	165,000	495,000	10,428,000	0	\$ 11,088,000
GRAND TOTAL	\$ 0	\$ 0	\$ 165,000	\$ 495,000	\$ 10,428,000	\$ 0	\$ 11,088,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design	Oct-20	Jul-21
Design	Oct-21	Sep-22
Construction	Nov-22	Dec-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	IWRP
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Surface Water**

PROJECT NO. SW2102	PROJECT TITLE Advanced Meter Infrastructure (AMI)
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DESCRIPTION Design and implementation of the City wide Advanced Meter Infrastructure (AMI) system to remotely monitor water consumption throughout the City.
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JUSTIFICATION The Integrated Water Resource Plan (IWRP) recommended the implementation of Advanced Meter Infrastructure (AMI) as a key to long term subsidence compliance. This project will begin in 2021 and will follow the schedule and costs outlined in the City's AMI feasibility study.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	1,710,700	0	0	0	\$ 1,710,700
Construction	0	0	0	9,656,400	0	0	\$ 9,656,400
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 1,710,700	\$ 9,656,400	\$ 0	\$ 0	\$ 11,367,100

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	0	1,710,700	9,656,400	0	0	\$ 11,367,100
GRAND TOTAL	\$ 0	\$ 0	\$ 1,710,700	\$ 9,656,400	\$ 0	\$ 0	\$ 11,367,100



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-20	Sep-21
Construction	Nov-21	Dec-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	IWRP
Project Manager:	Public Works
Estimator:	Public Works

**2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TRAFFIC**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
TR1503	Traffic Signal Management/ITS	\$ 4,263,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TR1701	Wayfinding for Pedestrian & Bikes Local Routes	115,000	-	-	-	-	-	-
TR1702	SH6 North Bound @ US59 Triple Left Turn Design and TxDOT Permit	50,000	-	-	-	-	-	-
TR1902	SH6/Settlers Way Improvements	45,000	-	-	-	-	-	-
TR1903	SH6 NB @ US59 Triple Left Turn	500,000	-	-	-	-	-	-
TR2001	Landscape Replacement for Major Roadway and Enhancement	-	200,000	200,000	200,000	200,000	200,000	1,000,000
TR2002	Traffic Evaluation & Safety Improvements	-	250,000	-	-	-	-	250,000
	TOTAL FUNDING	\$ 4,973,000	\$ 450,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,250,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	4,158,000	250,000	-	-	-	-	250,000
SLDC	-	-	-	-	-	-	-
SL4B	115,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Revenue Bonds	-	-	-	-	-	-	-
Tourism Fund	-	-	-	-	-	-	-
Other Funding Sources	700,000	-	-	-	-	-	-
TOTAL	\$ 4,973,000	\$ 450,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,250,000

CITY OF SUGAR LAND
 2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
 SUMMARY BY FUNDING SOURCES - TRAFFIC

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Traffic Evaluation & Safety Improvements	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
TOTAL - CO's	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Landscape Replacement for Major Roadway and Enhancement Projects	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
TOTAL - SL4B	\$ 200,000	\$ 1,000,000				

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR1503	PROJECT TITLE Traffic Signal Management / Intelligent Transportation System (ITS)
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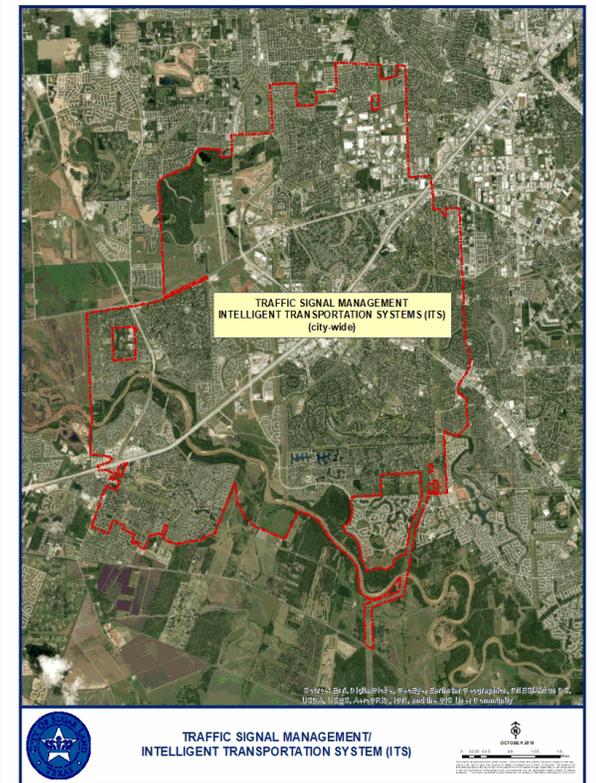
DESCRIPTION
Program to fund the Intelligent Transportation System (ITS) Operations Plan, which was updated November 2014, to continuously advance the City's ITS.

JUSTIFICATION
The ITS Operations plan listed several projects spread out over three years to stay ahead of mobility needs in the City. The program will build on the existing ITS and upgrade different systems to improve traffic flow, collect performance measures and help minimize congestion.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	100,000	0	0	0	0	0	\$ 100,000
Construction	3,211,000	0	0	0	0	0	\$ 3,211,000
Land/ROW							
Furniture, Fixtures, Equipment	952,000	0	0	0	0	0	\$ 952,000
Contingency							
GRAND TOTAL	\$ 4,263,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,263,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	4,063,000	0	0	0	0	0	\$ 4,063,000
Other Funding Sources	200,000	0	0	0	0	0	\$ 200,000
GRAND TOTAL	\$ 4,263,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,263,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-17	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment	Oct-20	Sep-21

OTHER:
Other funding sources are from the Red Light Camera fund

City Goal:	Safest City
Reference:	ITS Operations
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

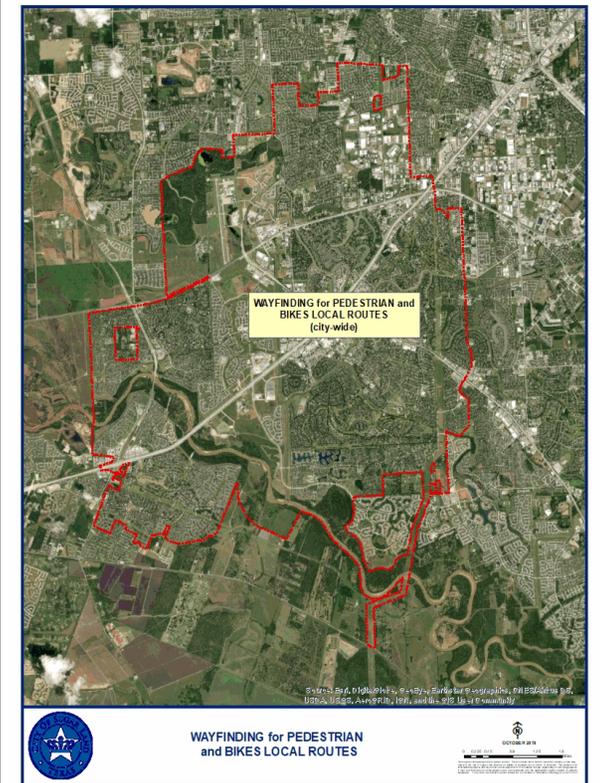
PROJECT NO. TR1701	PROJECT TITLE Wayfinding for Pedestrian and Bikes Local Routes
------------------------------	--

DESCRIPTION Installation of wayfinding signs along local routes. Program created for targeted visitor oriented destinations in the City. Includes placement of strategic signs at select locations on local routes to better direct Pedestrian/ Bicycle Facilities users to these destinations. This is a continuation of the implementation of the Pedestrian/ Bike Master Plan.
JUSTIFICATION Tourists and visitors to Sugar Land will be able to maneuver throughout the City's Pedestrian/ Bicycle Facilities with more efficiency with placement of signs at selected locations to provide direction to destination locations.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	20,000	0	0	0	0	0	\$ 20,000
Construction	95,000	0	0	0	0	0	\$ 95,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 115,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 115,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	115,000	0	0	0	0	0	\$ 115,000
GRAND TOTAL	\$ 115,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 115,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Aug-20
Construction	Oct-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	Wayfinding for Pedestrian and Bikes
Project Manager:	Engineering Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR1702	PROJECT TITLE SH6 North Bound at US59 Triple Left Turn Design and TxDOT Permit
------------------------------	--

DESCRIPTION Design triple left turn on the northbound US 59 frontage road at SH 6. The project will include in pavement lights and geometric improvements for the approach. A TxDOT right-of-way permit will be required.

JUSTIFICATION Additional capacity will help move more vehicles while lowering delay for motorists exiting the Mall and Town Square. The efficiency gained will not only help the NB frontage approach but the other approaches during high volume times by reallocating time where needed the most.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	50,000	0	0	0	0	0	\$ 50,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	50,000	0	0	0	0	0	\$ 50,000
GRAND TOTAL	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	May-17	Sep-20
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2011 Mobility Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR1902	PROJECT TITLE SH6/Settlers Way Improvements
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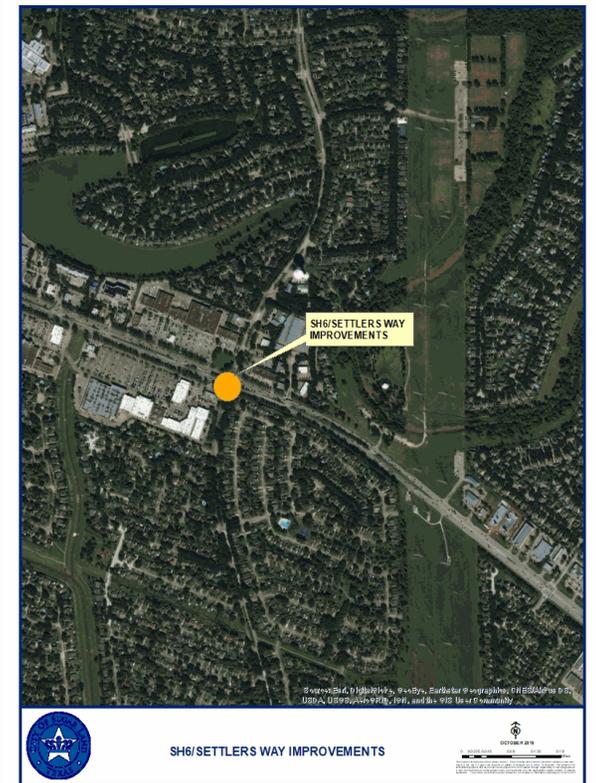
DESCRIPTION Design will address issues through access management and assess adding an additional left turn bay for added capacity. Intersection at Flintwood will be evaluated to determine if improvements are necessary since vehicles will be forced to make u-turns at the intersection.
--

JUSTIFICATION Address accidents and concerns reported by residents by improving access into and out of the existing development.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	45,000	0	0	0	0	0	\$ 45,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	45,000	0	0	0	0	0	\$ 45,000
GRAND TOTAL	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-18	Dec-19
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Safest City
Reference:	
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR1903	PROJECT TITLE SH6 NB at US59 Triple Left Turn
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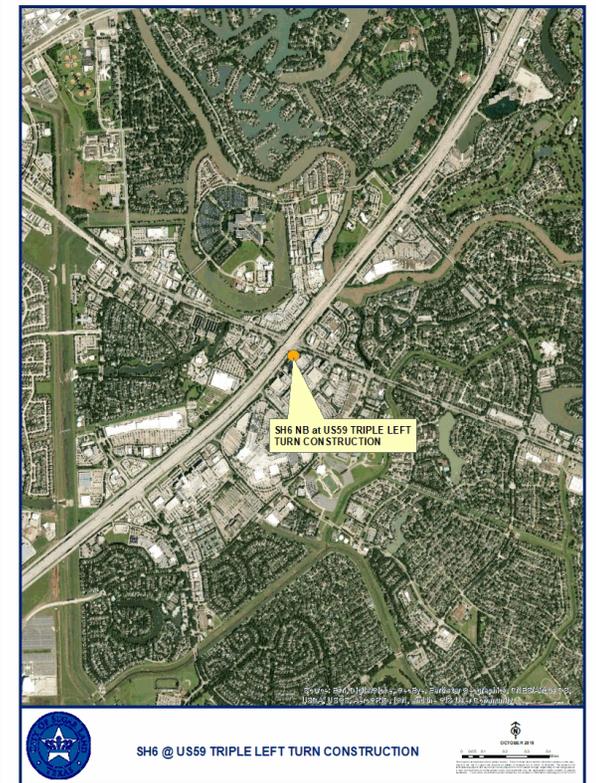
DESCRIPTION
Construction of a triple left turn on the northbound US 59 frontage road at SH 6. The project will include in-pavement lights and geometric improvements for the approach. A TxDOT right-of-way permit will be required.

JUSTIFICATION
Additional capacity will help move more vehicles while lowering delay for motorists exiting the Mall and Town Square. The efficiency gained will not only help the NB frontage approach but the other approaches during high volume times by reallocating time where needed the most.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	500,000	0	0	0	0	0	\$ 500,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Other Funding Sources	500,000	0	0	0	0	0	\$ 500,000
GRAND TOTAL	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Dec-19	Dec-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources are from the Safe Light Sugar Land program.

City Goal:	Responsible City Government
Reference:	2011 Mobility Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

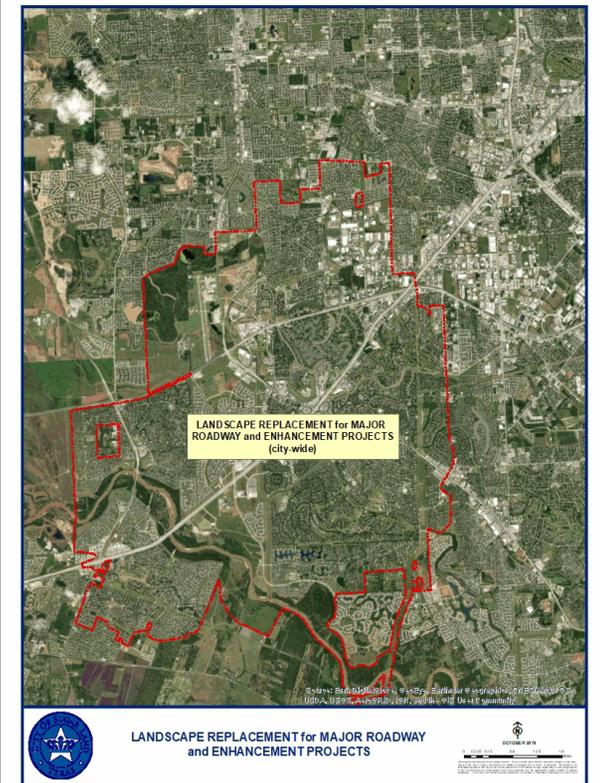
**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR2001	PROJECT TITLE Landscape Replacement for Major Roadway and Enhancement Projects
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DESCRIPTION Reconstruction of landscape beds along major routes through Sugar Land to improve the streetscape treatments of areas directly adjacent to interstate and state highways. Routes will include US 59/I-69, US 90A, SH6, which are classified as Imperial and Highway 6 routes according to the Beautification Policy.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION To replace or reconstruct all landscape in the various major routes due to damage from vehicular traffic and or weather.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	200,000	200,000	200,000	200,000	200,000	\$ 1,000,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 200,000	\$ 1,000,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
SL4B	0	200,000	200,000	200,000	200,000	200,000	\$ 1,000,000
GRAND TOTAL	\$ 0	\$ 200,000	\$ 1,000,000				



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Great Place To Live
Reference:	Beautification Policy
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Traffic**

PROJECT NO. TR2002	PROJECT TITLE Traffic Evaluation and Safety Improvements
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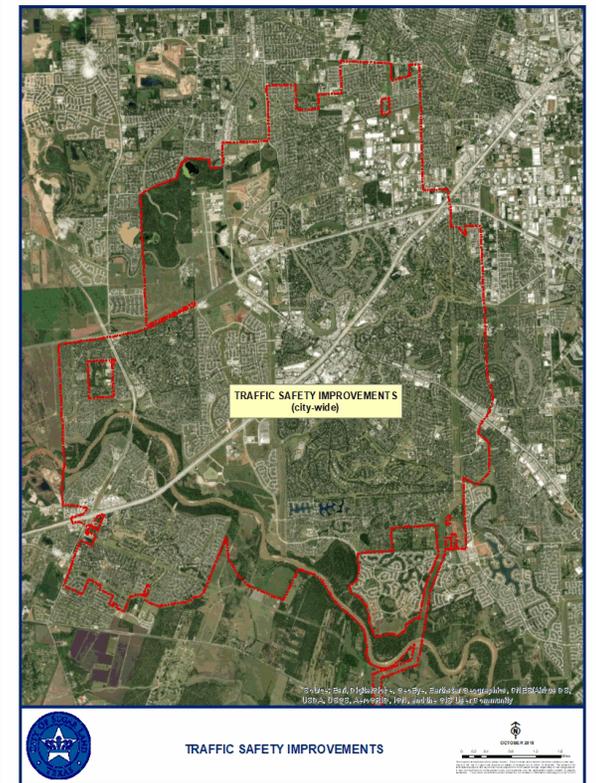
DESCRIPTION
Program addresses relatively low cost safety and operation improvements typically at intersections identified through traffic analysis, reported concerns, or studies. Improvements can vary from geometric improvements to technology upgrades.

JUSTIFICATION
Operations and safety are closely related. Program addresses one of our residents top concerns by providing improvements that improve mobility and safety.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	250,000	0	0	0	0	\$ 250,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CO's	0	250,000	0	0	0	0	\$ 250,000
Other Funding Sources	0	0	0	0	0	0	\$ 0
GRAND TOTAL	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:
Other funding sources are from the Safe Light Sugar Land program.

City Goal:	Safest City
Reference:	Traffic Management Center
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
WASTEWATER**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
WW1703	Wastewater Treatment Plants Improvements	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WW1802	Lift Station Assessment	400,000	-	-	-	-	-	-
WW1804	Oyster Creek Siphon Replacement	1,500,000	-	-	-	-	-	-
WW1901	Easement Acquisition - FM from North WWTP to West WWTP	350,000	-	-	-	-	-	-
WW1902	Lift Station Rehabilitation	1,350,000	-	-	-	-	-	-
WW2001	Collection System (Project E)	-	567,000	441,000	4,400,000	-	-	5,408,000
WW2002	Lift Station Rehabilitation	-	1,620,000	1,620,000	1,620,000	1,620,000	1,620,000	8,100,000
WW2003	Wastewater Treatment Plants Improvements	-	350,000	1,100,000	3,500,000	1,500,000	1,500,000	7,950,000
WW2301	Lift Station 48 (MUD 136 Reg. LS#1)	-	-	-	-	1,800,000	-	1,800,000
WW2302	Forcemain from north WWTP to West WWTP	-	-	-	-	800,000	-	800,000
WW2303	West WWTP Expansion - Phase I	-	-	-	-	1,200,000	-	1,200,000
WW2304	Collection System Rehabilitation Program	-	-	-	-	300,000	2,800,000	3,100,000
	TOTAL FUNDING	\$ 3,700,000	\$ 2,537,000	\$ 3,161,000	\$ 9,520,000	\$ 7,220,000	\$ 5,920,000	\$ 28,358,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	-	-	-	-	-	-	-
SLDC	-	-	-	-	-	-	-
SL4B	-	-	-	-	-	-	-
Revenue Bonds	3,700,000	1,537,000	2,161,000	8,520,000	6,220,000	4,920,000	23,358,000
System Revenues	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Other Funding	-	-	-	-	-	-	-
TOTAL	\$ 3,700,000	\$ 2,537,000	\$ 3,161,000	\$ 9,520,000	\$ 7,220,000	\$ 5,920,000	\$ 28,358,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - WASTEWATER**

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Collection System (Project E)	\$ 567,000	\$ 441,000	\$ 4,400,000	\$ -	\$ -	\$ 5,408,000
Lift Station Rehabilitation	620,000	620,000	620,000	620,000	620,000	3,100,000
Wastewater Treatment Plants Improvements	350,000	1,100,000	3,500,000	1,500,000	1,500,000	7,950,000
Lift Station 48 (MUD 136 Reg. LS#1)	-	-	-	1,800,000	-	1,800,000
Forcemain from north WWTP to West WWTP	-	-	-	800,000	-	800,000
West WWTP Expansion - Phase I	-	-	-	1,200,000	-	1,200,000
Collection System Rehabilitation Program	-	-	-	300,000	2,800,000	3,100,000
TOTAL - REVENUE BONDS	\$ 1,537,000	\$ 2,161,000	\$ 8,520,000	\$ 6,220,000	\$ 4,920,000	\$ 23,358,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Lift Station Rehabilitation	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
TOTAL - SYSTEM REVENUES	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW1703	PROJECT TITLE Wastewater Treatment Plants Improvements
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DESCRIPTION Complete an assessment of the north and south wastewater treatment plants for equipment and facility replacements and improvements.

JUSTIFICATION The North and South Wastewater Treatment Plants have aging infrastructure that need to be identified and recommended funding prioritized based on City asset management program.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	100,000	0	0	0	0	0	\$ 100,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	100,000	0	0	0	0	0	\$ 100,000
GRAND TOTAL	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Jan-18	Apr-20
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	BRA Assessment Report
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW1802	PROJECT TITLE Lift Station Assessment
------------------------------	---

DESCRIPTION
Develop a comprehensive lift station evaluation, which includes a condition assessment for each lift station, identifying the necessary capital investment for each lift station, and a recommended program for completing all improvements.

JUSTIFICATION
The lift stations are recommended for rehabilitation due to aging infrastructure, reliability concerns, extreme wet well deterioration, and pump and control panel wear.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	400,000	0	0	0	0	0	\$ 400,000
Preliminary Engineering Design							
Design							
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	400,000	0	0	0	0	0	\$ 400,000
GRAND TOTAL	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Nov-17	Jan-20
Preliminary Engineering Design		
Design		
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	Lift Station Rehabilitation Program Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW1804	PROJECT TITLE Oyster Creek Siphon Replacement
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DESCRIPTION
Construction of a new 24-inch siphon to replace an abandoned 18-inch siphon that crosses Oyster Creek along HWY 59 (within TxDOT ROW). There is an existing 24-inch siphon segment that is in service but an adjacent parallel 18-inch siphon segment was abandoned/grouted due to aged infrastructure. This project is a critical component of the City's sewer system.

JUSTIFICATION
Dual-siphon system is required to provide backup for the north wastewater collection system to convey wastewater to the North Wastewater Treatment Plant.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	200,000	0	0	0	0	0	\$ 200,000
Construction	1,300,000	0	0	0	0	0	\$ 1,300,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 1,500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,500,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	1,500,000	0	0	0	0	0	\$ 1,500,000
GRAND TOTAL	\$ 1,500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,500,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Jan-18	Jun-18
Construction	Dec-19	Oct-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Asset Management Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW1901	PROJECT TITLE Easement Acquisition - FM from North WWTP to West WWTP
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DESCRIPTION Acquisition of easements for a future forcemain to divert wastewater flow from the North Wastewater Treatment Plant to the West Wastewater Treatment Plant.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION Identified in the 2012 Wastewater Master Plan as the long-term solution to capacity constraints at the North Wastewater Treatment Plant. Wastewater diversion from the North Wastewater Treatment Plant to the West Wastewater Treatment Plant will require easements through Telfair and New Territory, predominately through Centerpoint power line corridors.	GRAND TOTAL					
	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction							
Land/ROW	350,000	0	0	0	0	0	\$ 350,000
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	350,000	0	0	0	0	0	\$ 350,000
GRAND TOTAL	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction		
Land/ROW	Oct-18	Sep-20
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2012 Wastewater Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW1902	PROJECT TITLE Lift Station Rehabilitation
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DESCRIPTION
The lift stations are recommended for rehabilitation due to aging infrastructure, reliability concerns, extreme wet well deterioration, and pump and control panel wear. Lift stations will be identified from the lift station assessment efforts.

JUSTIFICATION
The lift stations are recommended for rehabilitation due to aging infrastructure, reliability concerns, extreme wet well deterioration and pump and control panel wear.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	1,350,000	0	0	0	0	0	\$ 1,350,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 1,350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,350,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	1,350,000	0	0	0	0	0	\$ 1,350,000
GRAND TOTAL	\$ 1,350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,350,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Jan-19	Dec-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Lift Station Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2001	PROJECT TITLE Collection Systems (Project E)
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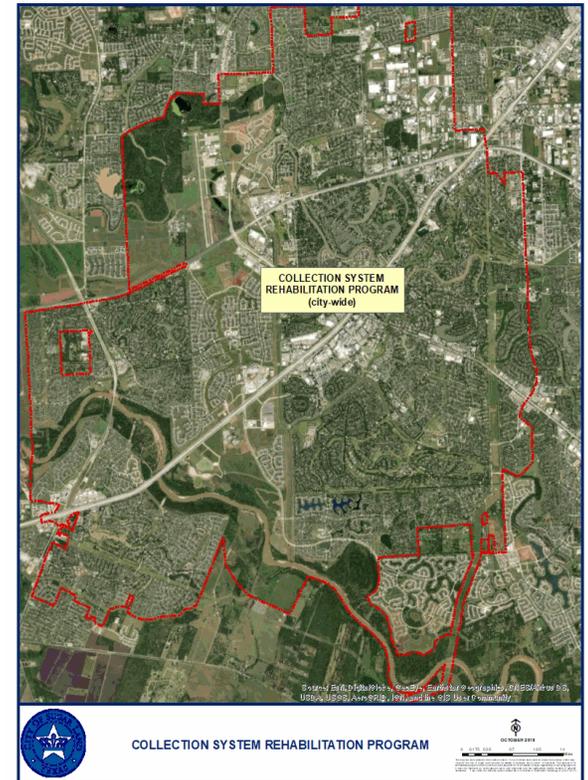
DESCRIPTION
Final project of the detailed evaluation and design for system deficiencies identified in the Asset Management Program and areas that experience sanitary sewer overflows (SSO's) during heavy storm events. Rehabilitate and replacement of wastewater collection system infrastructure that has reached the end of its useful life.

JUSTIFICATION
Continued rehabilitation of the sanitary sewer system (mains and manholes) is required due to existing infrastructure reaching the end of its design life. The completion of the Risk Based asset management systems has identified the collection system rehabilitation that is necessary to meet current service levels and to comply with TCEQ Sanitary Sewer Overflow (SSO) Program.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	567,000	0	0	0	0	\$ 567,000
Preliminary Engineering Design							
Design	0	0	441,000	0	0	0	\$ 441,000
Construction	0	0	4,400,000	0	0	0	\$ 4,400,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 567,000	\$ 441,000	\$ 4,400,000	\$ 0	\$ 0	\$ 5,408,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	567,000	441,000	4,400,000	0	0	\$ 5,408,000
GRAND TOTAL	\$ 0	\$ 567,000	\$ 441,000	\$ 4,400,000	\$ 0	\$ 0	\$ 5,408,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Oct-19	Aug-20
Preliminary Engineering Design		
Design	Oct-20	Sep-21
Construction	Nov-21	Sep-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Asset Management Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2002	PROJECT TITLE Lift Station Rehabilitation
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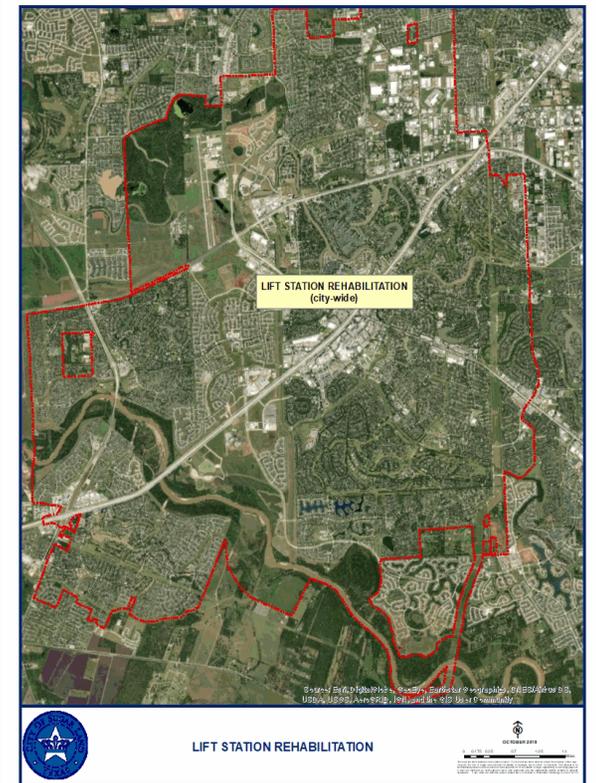
DESCRIPTION
The lift stations are recommended for rehabilitation due to aging infrastructure, reliability concerns, extreme wet well deterioration, and pump and control panel wear. Lift stations will be identified from the lift station assessment efforts.

JUSTIFICATION
The lift stations are recommended for rehabilitation due to aging infrastructure, reliability concerns, extreme wet well deterioration and pump and control panel wear.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	1,620,000	0	1,620,000	0	1,620,000	\$ 4,860,000
Construction	0	0	1,620,000	0	1,620,000	0	\$ 3,240,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,620,000	\$ 8,100,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
System Revenues	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$ 5,000,000
Revenue Bonds	0	620,000	620,000	620,000	620,000	620,000	\$ 3,100,000
GRAND TOTAL	\$ 0	\$ 1,620,000	\$ 8,100,000				



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Sep-20
Construction	Nov-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Lift Station Rehab Program Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2003	PROJECT TITLE Wastewater Treatment Plants Improvements
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DESCRIPTION Replacement of equipment and improvements to Wastewater Treatment Plants for key components identified through operations of the plants.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION The operators of the treatment plant have made recommendations for upgrades of different components of the facilities. The improvements will increase water quality, increase plant efficiencies, and reduce life cycle costs.
--

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	350,000	0	0	0	0	\$ 350,000
Preliminary Engineering Design							
Design	0	0	500,000	0	150,000	150,000	\$ 800,000
Construction	0	0	600,000	3,500,000	1,350,000	1,350,000	\$ 6,800,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 350,000	\$ 1,100,000	\$ 3,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,950,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	350,000	1,100,000	3,500,000	1,500,000	1,500,000	\$ 7,950,000
GRAND TOTAL	\$ 0	\$ 350,000	\$ 1,100,000	\$ 3,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,950,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment	Oct-19	Sep-20
Preliminary Engineering Design		
Design	Nov-20	Sep-21
Construction	Nov-21	Sep-22
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Assessment of WW Treatment Plant Ops
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2301	PROJECT TITLE Lift Station 48 (MUD 136 Reg. LS#1)
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DESCRIPTION
Construct a new second wet well, replace existing pumps with three new pumps, including electrical improvements, and install new gravity influent lines to accommodate firm capacity to serve future growth.

JUSTIFICATION
Lift Station No. 48, located in Telfair on University Blvd., will require pump upgrades to accommodate future growth from Tract 2/Central Prison Unit, Imperial Tract 3, and remaining growth within Telfair Tract 4.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	0	120,000	0	\$ 120,000
Construction	0	0	0	0	1,680,000	0	\$ 1,680,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,800,000	\$ 0	\$ 1,800,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	0	0	0	1,800,000	0	\$ 1,800,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,800,000	\$ 0	\$ 1,800,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-22	Sep-23
Construction	Nov-23	Dec-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	2012 Wastewater Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2302	PROJECT TITLE Forcemain from North WWTP to West WWTP
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DESCRIPTION Design of a new forcemain to divert up to approximately 2.2 MGD of wastewater flow from the North WWTP to the West WWTP.
--

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

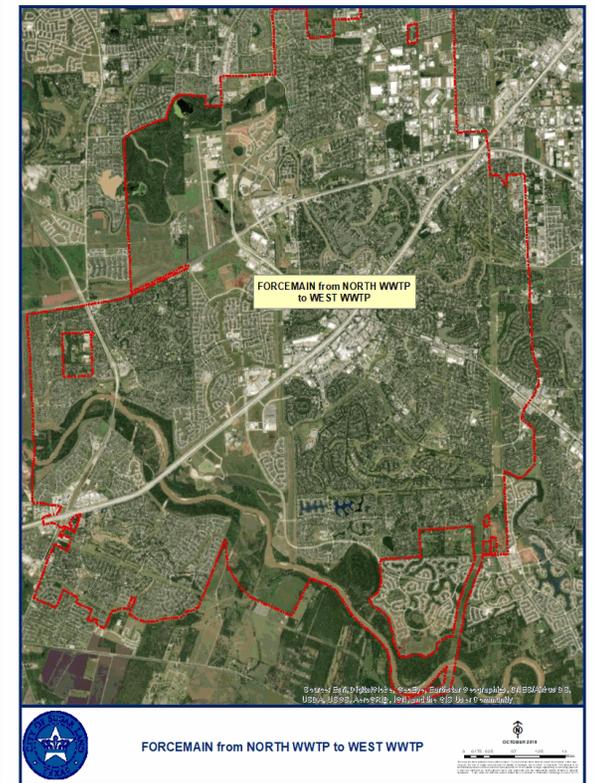
JUSTIFICATION The North Plant may reach 90 percent capacity by FY 2025. To prevent the North Plant flows from being exceeded, wastewater should be diverted from the North Plant to the West Plant. In addition, pending TCEQ nutrient removal regulations and age of the North WWTP may warrant an earlier decommissioning date.

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	0	0	800,000	0	\$ 800,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 800,000	\$ 0	\$ 800,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	0	0	0	800,000	0	\$ 800,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 800,000	\$ 0	\$ 800,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-22	Dec-23
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	2012 Wastewater Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2303	PROJECT TITLE West WWTP Expansion - PH I
------------------------------	--

DESCRIPTION Design of the Phase I expansion of the New Territory Wastewater Treatment Plant. FY23 includes preliminary engineering and design.
--

JUSTIFICATION The West Wastewater Treatment Plant has been identified as one of the most viable locations for regional wastewater treatment. Wastewater flow analysis indicates that additional treatment capacity will be needed by FY2025. The West Plant will provide the additional capacity to allow for continued development in the City until diversion of the South WWTP is no longer an option.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment	0	0	0	0	400,000	0	\$ 400,000
Preliminary Engineering Design	0	0	0	0	0	0	\$ 0
Design	0	0	0	0	600,000	0	\$ 600,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency	0	0	0	0	200,000	0	\$ 200,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,200,000	\$ 0	\$ 1,200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	0	0	0	1,200,000	0	\$ 1,200,000
GRAND TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,200,000	\$ 0	\$ 1,200,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design	Oct-22	Sep-23
Design	Nov-23	Nov-24
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Building Community
Reference:	2012 Wastewater Master Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Wastewater**

PROJECT NO. WW2304	PROJECT TITLE Collection System Rehabilitation Program
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DESCRIPTION
Continue detailed evaluation and design for system deficiencies identified in the 2009 Citywide Inflow & Infiltration Study and 2011 Pre-Design Report of areas that experience sanitary sewer overflows (SSOs) during heavy storm events.

JUSTIFICATION
Continue rehabilitation of the sanitary sewer system (mains and manholes) due to high levels of deterioration, grade deficiencies or point failures. Provide an updated plan for the City's collection system rehabilitation program and to comply with TCEQ Sanitary Sewer Overflow (SSO) Program.

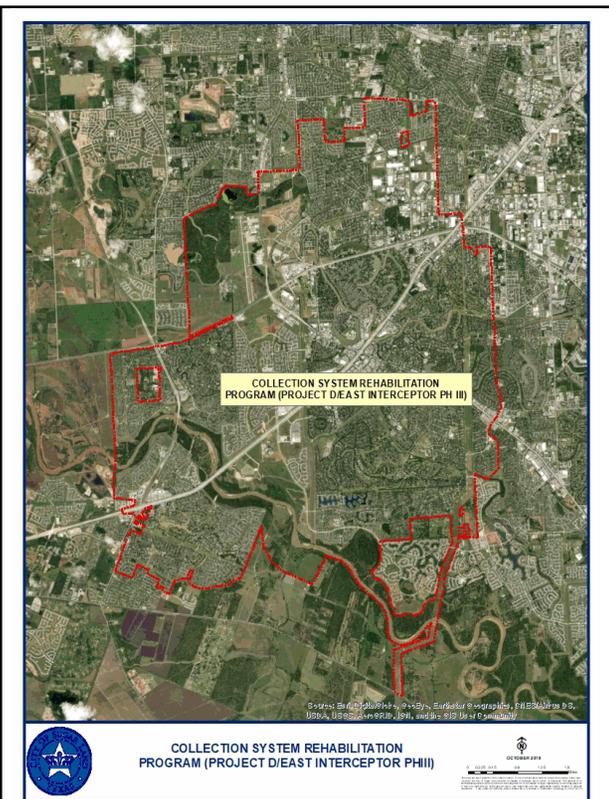
IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	450,000	0	0	0	0	0	\$ 450,000
Design	250,000	0	0	0	300,000	0	\$ 550,000
Construction	3,500,000	0	0	0	0	2,800,000	\$ 6,300,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 4,200,000	\$ 0	\$ 0	\$ 0	\$ 300,000	\$ 2,800,000	\$ 7,300,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
System Revenues	1,075,700	0	0	0	0	0	\$ 1,075,700
Revenue Bonds	1,354,300	0	0	0	300,000	2,800,000	\$ 4,454,300
CIP Fund Balance	1,770,000	0	0	0	0	0	\$ 1,770,000
GRAND TOTAL	\$ 4,200,000	\$ 0	\$ 0	\$ 0	\$ 300,000	\$ 2,800,000	\$ 7,300,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-22	Sep-23
Construction	Nov-23	Sep-24
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	2009 I/I Study & 2011 Pre-Des. Rep.
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
WATER**

PROJECT NO.	PROJECT NAME	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
WA1101	Utility Security - PH III	\$ 430,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WA1801	Distribution System Water Main Rehabilitation Program	235,000	-	-	-	-	-	-
WA1901	Well Rehabilitation	880,000	-	-	-	-	-	-
WA1902	Distribution System Water Main Rehabilitation Program	2,200,000	-	-	-	-	-	-
WA1903	Ground Storage Tank Rehabilitation	770,000	-	-	-	-	-	-
WA1904	Ground Water Plant Rehabilitation	2,120,000	-	-	-	-	-	-
WA1905	SH99 and US90A Waterline Relocation	60,000	350,000	-	-	-	-	350,000
WA2001	Well Rehabilitation	-	1,270,000	1,270,000	1,270,000	1,270,000	1,270,000	6,350,000
WA2002	Distribution System Water Main Rehabilitation Program	-	300,000	2,800,000	300,000	2,800,000	300,000	6,500,000
WA2003	Ground Storage Tank Rehabilitation	-	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
WA2004	Ground Water Plant Rehabilitation	-	1,100,000	2,160,000	1,100,000	2,160,000	1,100,000	7,620,000
WA2005	SCADA Improvements	-	76,000	152,000	228,000	304,000	380,000	1,140,000
WA2007	Utilities Costs for Drainage Projects	-	1,650,000	-	-	-	-	1,650,000
	TOTAL FUNDING	\$ 6,695,000	\$ 5,946,000	\$ 7,582,000	\$ 4,098,000	\$ 7,734,000	\$ 4,250,000	\$ 29,610,000

SOURCE OF FUNDS	PRIOR FUNDING	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
General Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO's	-	-	-	-	-	-	-
SLDC	-	-	-	-	-	-	-
SL4B	-	-	-	-	-	-	-
Revenue Bonds	6,460,000	4,946,000	6,582,000	3,098,000	6,734,000	3,250,000	24,610,000
System Revenues	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Other Funding	235,000	-	-	-	-	-	-
TOTAL	\$ 6,695,000	\$ 5,946,000	\$ 7,582,000	\$ 4,098,000	\$ 7,734,000	\$ 4,250,000	\$ 29,610,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
SUMMARY BY FUNDING SOURCES - WATER**

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
SH99 and US90A Waterline Relocation	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Well Rehabilitation	270,000	270,000	270,000	270,000	270,000	1,350,000
Distribution System Water Main Rehabilitation Program	300,000	2,800,000	300,000	2,800,000	300,000	6,500,000
Ground Storage Tank Rehabilitation	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
Ground Water Plant Rehabilitation	1,100,000	2,160,000	1,100,000	2,160,000	1,100,000	7,620,000
SCADA Improvements	76,000	152,000	228,000	304,000	380,000	1,140,000
Utilities Costs for Drainage Projects	1,650,000	-	-	-	-	1,650,000
TOTAL - REVENUE BONDS	\$ 4,946,000	\$ 6,582,000	\$ 3,098,000	\$ 6,734,000	\$ 3,250,000	\$ 24,610,000

PROJECT NAME	2020 BUDGET	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2020-2024 TOTAL
Well Rehabilitation	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
TOTAL - SYSTEM REVENUES	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1101	PROJECT TITLE Utility Security Phase III
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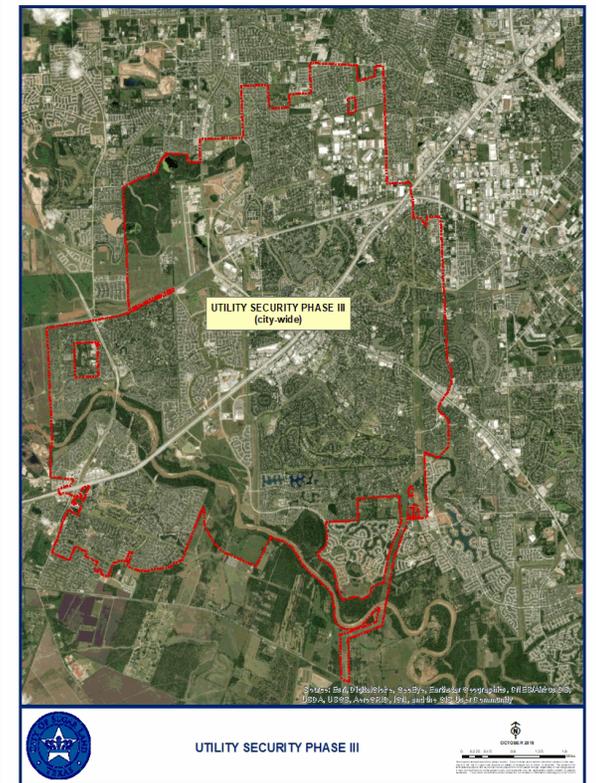
DESCRIPTION Construction of Phase III of Water Utility Security to include access control (ACMS) for elevated storage tanks, ground storage tanks, chlorine and pump control buildings, and wastewater treatment plants.
--

JUSTIFICATION This project completes the recommended security upgrades for the City Utility sites listed in the Vulnerability Assessment and recommended by the City security consultant. The threats being addressed during this phase are primarily related to stored water contamination, infrastructure damage and potential distribution system contamination.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	20,000	0	0	0	0	0	\$ 20,000
Construction	360,000	0	0	0	0	0	\$ 360,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency	50,000	0	0	0	0	0	\$ 50,000
GRAND TOTAL	\$ 430,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 430,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	430,000	0	0	0	0	0	\$ 430,000
GRAND TOTAL	\$ 430,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 430,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Jan-14	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	VA and Security MP
Project Manager:	Public Works Department
Estimator:	Public Works Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1801	PROJECT TITLE Distribution System Water Main Rehabilitation Program
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DESCRIPTION A waterline replacement analysis was conducted based on maintenance records to prioritize the water line rehabilitation. The biennial project include design and construction of distribution system water lines to replace aged and high maintenance existing waterlines. Design in one year and construction in the next year.
JUSTIFICATION A review and evaluation of maintenance records and distribution system infrastructure inventory determined the proposed areas require the highest level of maintenance in the system. Rehabilitation will improve water quality service.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	235,000	0	0	0	0	0	\$ 235,000
Construction							
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 235,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 235,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
CIP Fund Balance	235,000	0	0	0	0	0	\$ 235,000
GRAND TOTAL	\$ 235,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 235,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-18	Sep-20
Construction		
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Waterline Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1901	PROJECT TITLE Well Rehabilitation
------------------------------	---

DESCRIPTION
Design and construction of scheduled maintenance of water wells for one of the 23 City water wells. Maintenance of water wells includes pulling of pumps from wells and cleaning well screens. Repairs required for the wells and pumps are determined when the wells are pulled.

JUSTIFICATION
Preventative maintenance in accordance with the Well Rehabilitation Plan. Regularly scheduled maintenance is essential to ensure an adequate water supply during periods of peak usage.

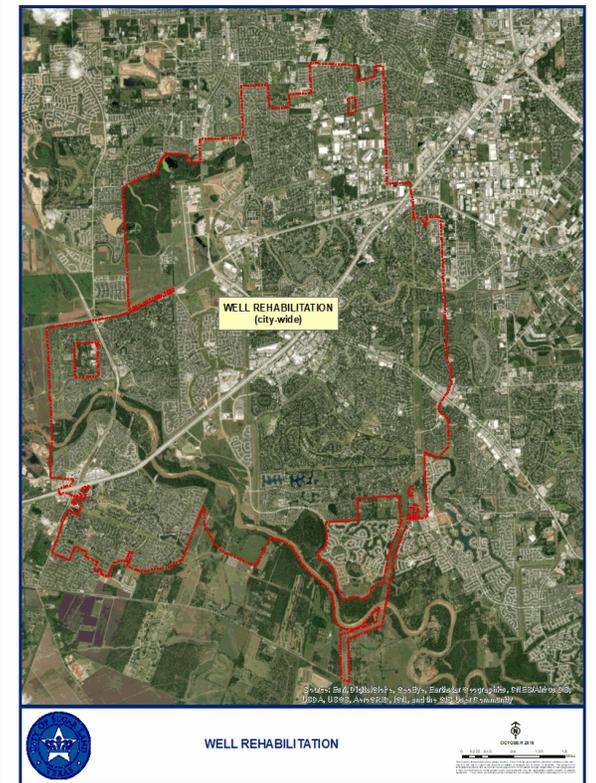
IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	880,000	0	0	0	0	0	\$ 880,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 880,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 880,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	880,000	0	0	0	0	0	\$ 880,000
GRAND TOTAL	\$ 880,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 880,000

PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Apr-19	Dec-19
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:



City Goal:	Responsible City Government
Reference:	Well Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1902	PROJECT TITLE Distribution System Water Main Rehabilitation Program
------------------------------	---

DESCRIPTION The bi-ennial projects include design and construction of distribution system waterlines to replace aged and high maintenance existing waterlines. Design in one year, construction in the next. This project includes waterline replacement in Sugar Creek area.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION A waterline replacement analysis was conducted based on the overall risk profile for the water distribution system. The risk profile included the consequence of failure as well as the likelihood of failure for each individual asset. This maintenance will improve overall water quality, minimize service interruptions, and help improve the City's overall performance measure of breaks per 100 miles of pipe.
--

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	2,200,000	0	0	0	0	0	\$ 2,200,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 2,200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,200,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	2,200,000	0	0	0	0	0	\$ 2,200,000
GRAND TOTAL	\$ 2,200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,200,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Waterline Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1903	PROJECT TITLE Ground Storage Tank Rehabilitation
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DESCRIPTION
Annual funding for refurbishment of existing ground storage water tanks at a site to be determined and prioritized by scheduled evaluation and assessment. Work includes structural repairs and modifications as needed, blasting and proper removal of old coatings and repainting.

JUSTIFICATION
Scheduled maintenance for water storage tanks is following the Department's Tank Rehabilitation Plan. The interior and exterior coatings are failing and replacement is recommended to extend the life of the tanks. Regularly scheduled maintenance is essential to ensure an adequate water supply during periods of peak usage.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	770,000	0	0	0	0	0	\$ 770,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 770,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 770,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	770,000	0	0	0	0	0	\$ 770,000
GRAND TOTAL	\$ 770,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 770,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	May-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Building Community
Reference:	Tank Rehab Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1904	PROJECT TITLE Ground Water Plant Rehabilitation
------------------------------	---

DESCRIPTION Annual investment in the ground water plants. Work includes: improvements to booster pumps, on site facilities, hydro-pneumatic tanks, yard piping, site grading and drainage. The first year of the program includes improvements to the Greatwood and New Territory water treatment plants. Improvements were identified through the conditions assessment completed prior to annexation.
JUSTIFICATION With the completion of the Ground Water Plant Asset Management Model in FY19, the City will have a clear picture of the investment needed to maintain the adopted service levels at each facility.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	2,120,000	0	0	0	0	0	\$ 2,120,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 2,120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,120,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	2,120,000	0	0	0	0	0	\$ 2,120,000
GRAND TOTAL	\$ 2,120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,120,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-18	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Ground Storage Tank Rehabilitation Prgn
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA1905	PROJECT TITLE SH99 and US90A Waterline Relocation
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DESCRIPTION Relocation of the City's existing 12-inch waterline and fire hydrants.	IMPACT ON OPERATING BUDGET					
	Expenditures	2020	2021	2022	2023	2024
	Personnel	0	0	0	0	0
	Operating	0	0	0	0	0
	Capital	0	0	0	0	0
JUSTIFICATION The Texas Department of Transportation (TxDOT) is widening the road and the City's waterline and hydrants inside TxDOT ROW will need to be relocated due to conflicts with the proposed improvements.	GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design	0	0	0	0	0	0	\$ 0
Design	60,000	0	0	0	0	0	\$ 60,000
Construction	0	350,000	0	0	0	0	\$ 350,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 60,000	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 410,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	60,000	350,000	0	0	0	0	\$ 410,000
GRAND TOTAL	\$ 60,000	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 410,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Sep-20
Construction	Nov-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	TxDOT
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA2001	PROJECT TITLE Well Rehabilitation
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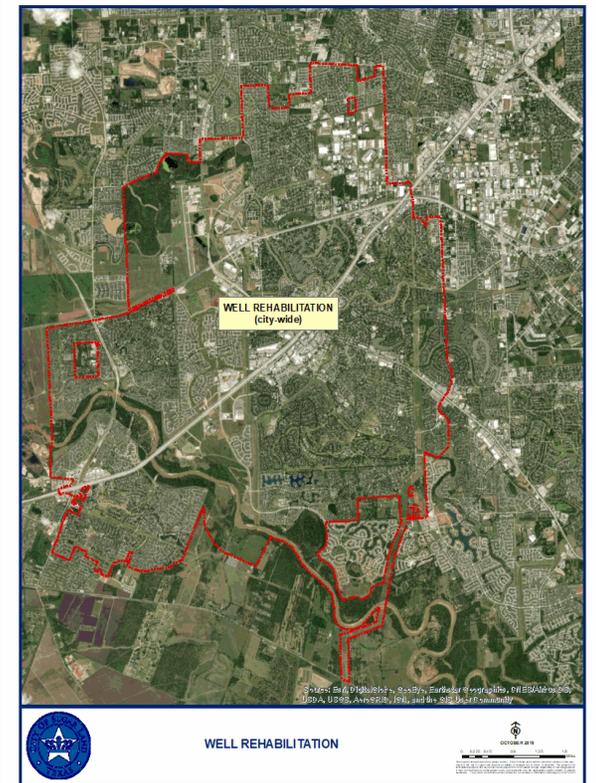
DESCRIPTION
Design and construction of scheduled maintenance of water wells for one of the 23 City water wells. Maintenance of water wells includes pulling of pumps from wells and cleaning well screens. Repairs required for the wells and pumps are determined when the wells are pulled.

JUSTIFICATION
Preventative maintenance in accordance with the Well Rehabilitation Plan. Regularly scheduled maintenance is essential to ensure an adequate water supply during periods of peak usage.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	1,270,000	0	1,270,000	0	\$ 2,540,000
Construction	0	1,270,000	0	1,270,000	0	1,270,000	\$ 3,810,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,270,000	\$ 6,350,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
System Revenues	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$ 5,000,000
Revenue Bonds	0	270,000	270,000	270,000	270,000	270,000	\$ 1,350,000
GRAND TOTAL	\$ 0	\$ 1,270,000	\$ 6,350,000				



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Nov-20	Sep-21
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Well Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA2002	PROJECT TITLE Distribution System Water Main Rehabilitation Program
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DESCRIPTION The bi-ennial projects include design and construction of distribution system waterlines to replace aged and high maintenance existing waterlines. Design in one year, construction in the next.
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IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

JUSTIFICATION A waterline replacement analysis was conducted based on the overall risk profile for the water distribution system. The risk profile included the consequence of failure as well as the likelihood of failure for each individual asset. This maintenance will improve overall water quality, minimize service interruptions, and help improve the City's overall performance measure of breaks per 100 miles of pipe.
--

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	300,000	0	300,000	0	300,000	\$ 900,000
Construction	0	0	2,800,000	0	2,800,000	0	\$ 5,600,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 300,000	\$ 2,800,000	\$ 300,000	\$ 2,800,000	\$ 300,000	\$ 6,500,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	300,000	2,800,000	300,000	2,800,000	300,000	\$ 6,500,000
GRAND TOTAL	\$ 0	\$ 300,000	\$ 2,800,000	\$ 300,000	\$ 2,800,000	\$ 300,000	\$ 6,500,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Sep-20
Construction	Nov-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Waterline Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

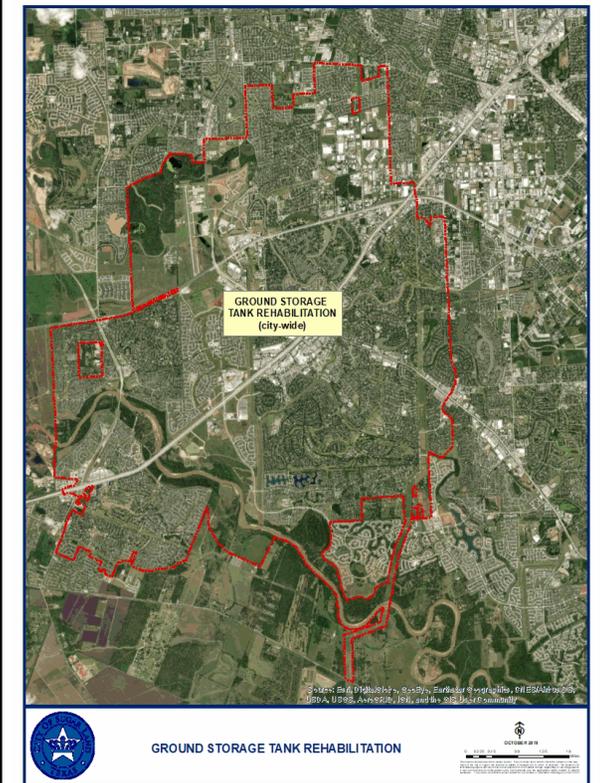
PROJECT NO. WA2003	PROJECT TITLE Ground Storage Tank Rehabilitation
------------------------------	--

DESCRIPTION Annual funding for refurbishment of existing ground storage water tanks at a site to be determined and prioritized by scheduled evaluation and assessment. Work includes structural repairs and modifications as needed, blasting and proper removal of old coatings and repainting.
JUSTIFICATION Scheduled maintenance for water storage tanks is following the Department's Tank Rehabilitation Plan. The interior and exterior coatings are failing and replacement is recommended to extend the life of the tanks. Regularly scheduled maintenance is essential to ensure an adequate water supply during periods of peak usage.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	0	1,200,000	0	1,200,000	0	\$ 2,400,000
Construction	0	1,200,000	0	1,200,000	0	1,200,000	\$ 3,600,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,200,000	\$ 6,000,000				

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	\$ 6,000,000
GRAND TOTAL	\$ 0	\$ 1,200,000	\$ 6,000,000				



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Nov-20	Sep-21
Construction	Oct-19	Sep-20
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Tank Rehabilitation Plan
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA2004	PROJECT TITLE Ground Water Plant Rehabilitation
------------------------------	---

DESCRIPTION Annual investment in the ground water plants. Work includes: improvements to booster pumps, on site facilities, hydro-pneumatic tanks, yard piping, site grading and drainage. The first year of the program includes improvements to the Greatwood and New Territory water treatment plants. Improvements were identified through the conditions assessment completed prior to annexation.
JUSTIFICATION With the completion of the Ground Water Plant Asset Management Model in FY19, the City will have a clear picture of the investment needed to maintain the adopted service levels at each facility.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	110,000	216,000	110,000	216,000	110,000	\$ 762,000
Construction	0	990,000	1,944,000	990,000	1,944,000	990,000	\$ 6,858,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,100,000	\$ 2,160,000	\$ 1,100,000	\$ 2,160,000	\$ 1,100,000	\$ 7,620,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	1,100,000	2,160,000	1,100,000	2,160,000	1,100,000	\$ 7,620,000
GRAND TOTAL	\$ 0	\$ 1,100,000	\$ 2,160,000	\$ 1,100,000	\$ 2,160,000	\$ 1,100,000	\$ 7,620,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Jan-20
Construction	Mar-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	Ground Storage Tank Rehabilitation Program
Project Manager:	Engineering Department
Estimator:	Engineering Department

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA2005	PROJECT TITLE SCADA Improvements
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DESCRIPTION
Annual program to maintain the Supervisory Control and Data Acquisition (SCADA) system for the city's utilities. Allows for the continuation of necessary repairs to failed parts of the system.

JUSTIFICATION
The City currently operates one surface water treatment plant, 12 groundwater plants, four wastewater treatment plants, and 134 wastewater lift stations. These facilities are monitored and operated by state licensed operators and technicians. Real-time monitoring and control of the facilities is provided by a remote SCADA system. This project is critical to the success of the city's facilities running efficiently and providing the quality services for the residents.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design	0	76,000	0	0	0	0	\$ 76,000
Construction	0	0	152,000	228,000	304,000	380,000	\$ 1,064,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 76,000	\$ 152,000	\$ 228,000	\$ 304,000	\$ 380,000	\$ 1,140,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	76,000	152,000	228,000	304,000	380,000	\$ 1,140,000
GRAND TOTAL	\$ 0	\$ 76,000	\$ 152,000	\$ 228,000	\$ 304,000	\$ 380,000	\$ 1,140,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design	Oct-19	Sep-20
Construction	Nov-20	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	IWRP
Project Manager:	Public Works
Estimator:	Public Works

**CITY OF SUGAR LAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
Water**

PROJECT NO. WA2007	PROJECT TITLE Utilities Costs for Drainage Projects
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DESCRIPTION Project will address utility improvements associated with various drainage projects for FY20.

JUSTIFICATION Utility Enterprise will fund the associated costs or utility improvements for various drainage projects for the FY20 CIP.

IMPACT ON OPERATING BUDGET					
Expenditures	2020	2021	2022	2023	2024
Personnel	0	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
GRAND TOTAL	\$ 0				

PROJECT COSTS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Analysis/Study/Assessment							
Preliminary Engineering Design							
Design							
Construction	0	1,650,000	0	0	0	0	\$ 1,650,000
Land/ROW							
Furniture, Fixtures, Equipment							
Contingency							
GRAND TOTAL	\$ 0	\$ 1,650,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,650,000

SOURCE OF FUNDS	Project Budget To Date	FISCAL YEAR PLAN					Project Total
		BUDGET	PLANNED				
		2020	2021	2022	2023	2024	
Revenue Bonds	0	1,650,000	0	0	0	0	\$ 1,650,000
GRAND TOTAL	\$ 0	\$ 1,650,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,650,000



PROJECT SCHEDULE	START	END
Analysis/Study/Assessment		
Preliminary Engineering Design		
Design		
Construction	Oct-19	Sep-21
Land/ROW		
Furniture, Fixtures, Equipment		

OTHER:

City Goal:	Responsible City Government
Reference:	
Project Manager:	Engineering Department
Estimator:	Engineering Department