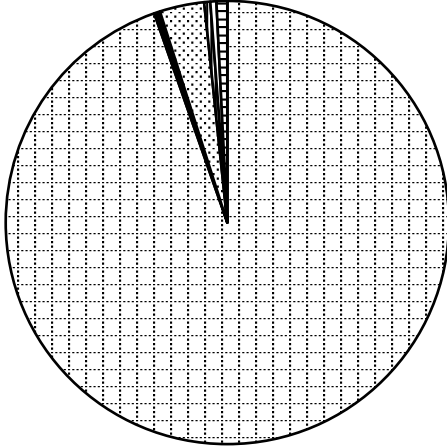


STORM SEWER SYSTEM

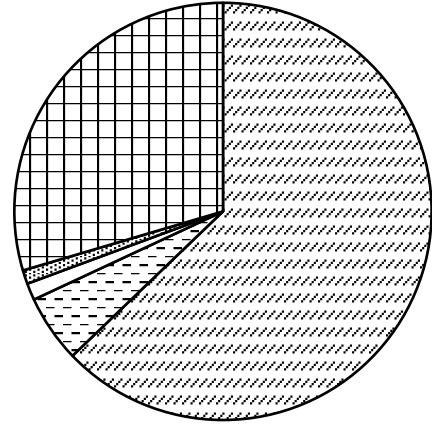
2023-2027 Capital Improvement Program

**2022-2023 Proposed
Source of Funds**



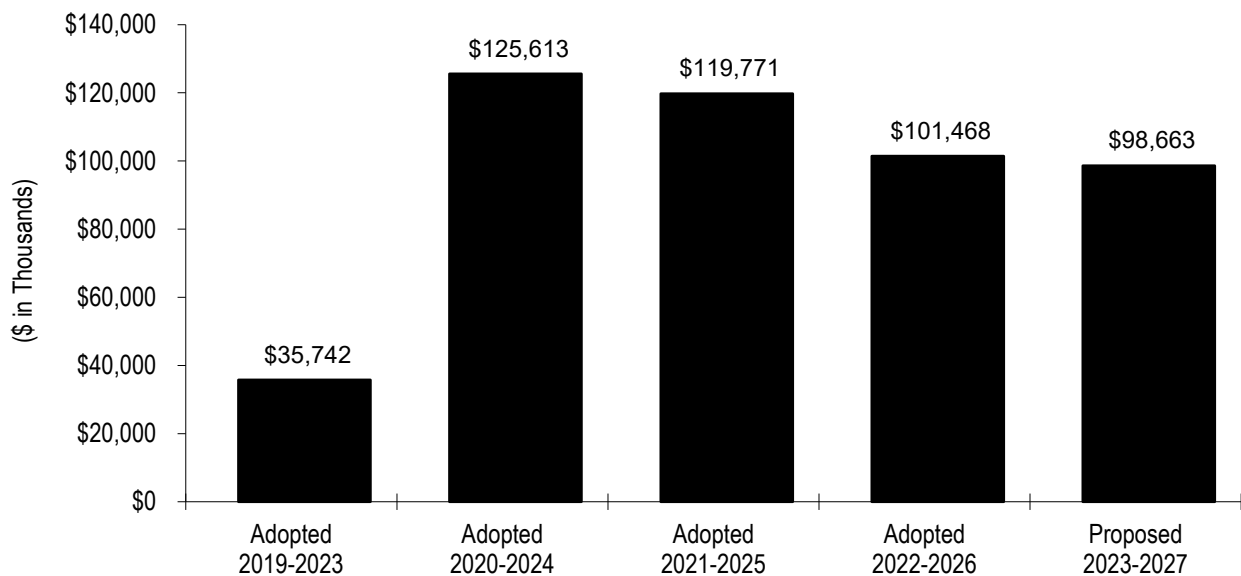
- Beginning Fund Balance
- Taxes, Fees, and Charges
- Transfers
- Rev. from Local Agencies
- Rev. from State of California
- Interest
- Measure T Proceeds

**2022-2023 Proposed
Use of Funds**



- Construction
- Non-Construction
- Allocations and Transfers
- Reserves
- Ending Fund Balance

CIP History

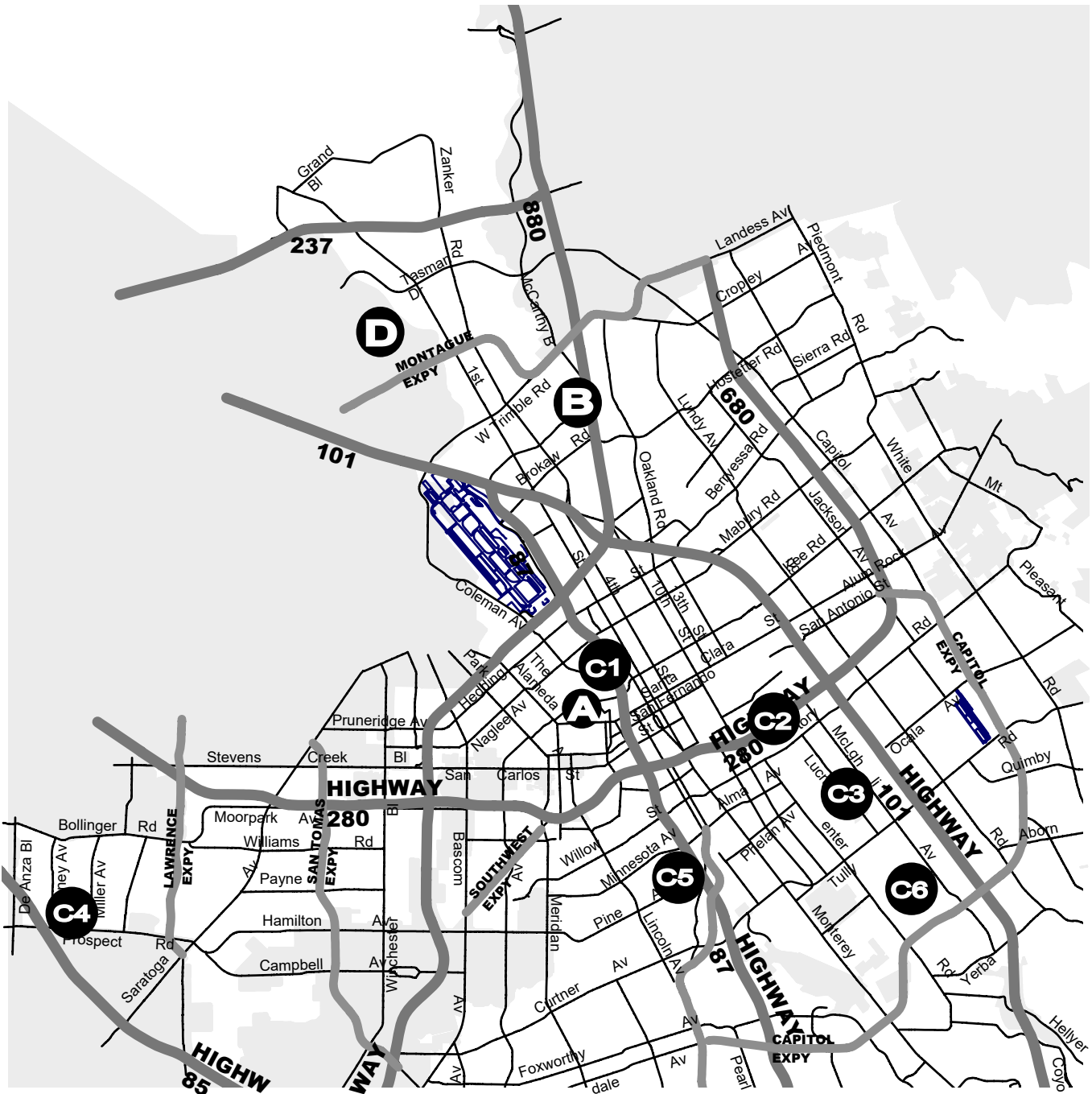


Storm Sewer System

2023-2027 Proposed Capital Improvement Program

North

- A)** Stockton Avenue/Cinnabar Street Storm Drain Improvements
- B)** Measure T - Charcot Area Storm Drain Improvements
- C)** Citywide Outfall Rehabilitation (1, 2, 3, 4, 5, 6)
- D)** Measure T - Clean Water Project (River Oaks Stormwater Capture Project)

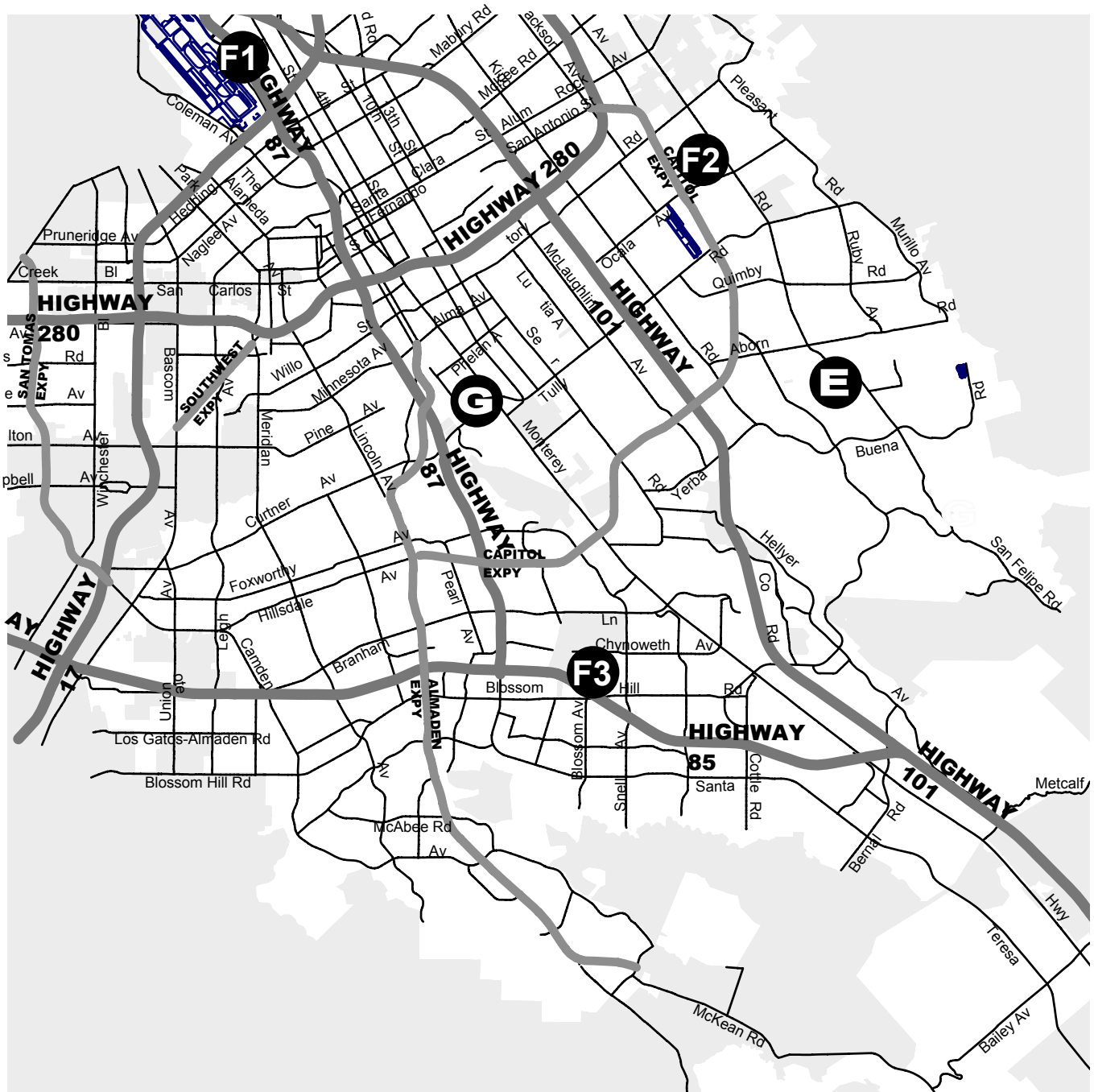


Storm Sewer System

2023-2027 Proposed Capital Improvement Program

South

- E)** Citywide Outfall Rehabilitation
- F)** Large Trash Capture Devices
- G)** Storm Sewer Improvements (City-wide)



Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

INTRODUCTION

The Storm Sewer System of the City of San José consists of approximately 1,130 miles of sewer mains and 31 stormwater pump stations. The Storm Sewer System, which is separate from the Sanitary Sewer System, collects storm water that is eventually conveyed into the Guadalupe River or Coyote Creek. The City is responsible for planning, designing, constructing, and maintaining facilities for conveyance of stormwater runoff within the City’s Urban Service Area to adjacent stream channels in accordance with the available budget and City Council priorities. Most of the design and construction of flood control facilities and the modification and maintenance of stream channels is the responsibility of Valley Water (formerly the Santa Clara Valley Water District) and the U.S. Army Corps of Engineers.

STORM SEWER SYSTEM PUBLIC INFRASTRUCTURE	
MILES OF STORM MAINS	
Smaller than 12” in diameter	80
12” to 18” in diameter	500
Over 18” in diameter	550
NUMBER OF INLETS	35,540
NUMBER OF MANHOLES	27,530
NUMBER OF OUTFALLS	1,727
NUMBER OF PUMP STATIONS	31

The 2023-2027 Proposed Capital Improvement Program (CIP) provides funding of \$98.7 million, of which \$46.2 million is allocated in 2022-2023. The program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcome: *Reliable Utility Infrastructure*.

PROGRAM PRIORITIES AND OBJECTIVES

The primary objective of the Storm Sewer Capital Program is to plan and construct improvements to the storm sewer collection system that reduce the risk of flooding and prevent property damage while managing the quality of stormwater runoff. Based on the CSA outcome supported by this program, the following list of priorities has been developed:

- Area-wide drainage capacity projects are identified and developed through the Storm Sewer Master Plan, which is based on the Envision San José 2040 General Plan (General Plan);
- Critical Storm Sewer System improvements addressing localized ponding and flooding that are generally identified through inspection and maintenance activities;
- Citywide Outfall Rehabilitation and Flap Gate Installation program addressing outfall failures/deterioration and localized flooding;
- Citywide Green Stormwater Infrastructure (GSI) Planning supporting the implementation of the GSI Plan that was approved by the City Council in September 2019; and
- Regulatory compliance as required by the Municipal Stormwater Regional Permit.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

SOURCES OF FUNDING

The 2023-2027 Proposed CIP provides funding of \$98.7 million, of which \$46.2 million is allocated in 2022-2023. The program funding level decreased by \$2.8 million from \$101.5 million in the 2022-2026 Adopted CIP. Revenues for this CIP are derived from the following sources: Measure T Bond proceeds, transfers from the Storm Sewer Operating Fund, grants, and Storm Drainage Fees. The Proposed CIP assumes no rate increase for the Storm Sewer Operating Fund for 2022-2023.

The decrease in the 2023-2027 CIP funding level from the 2022-2026 Adopted CIP funding level is due to the 3.8% reduction in revenues transferred from the Storm Sewer Operating Fund, which is funded through Storm Sewer Service Charge fees. In the 2022-2026 Adopted CIP, the revenue estimated from this transfer was \$26.5 million, compared to \$25.5 million in this CIP. With no rate increases resulting in the flat assessment revenue in the Storm Sewer Operating Fund, the need to maintain operations and maintenance costs for the storm sewer system are expected to result in reduced capacity to perform important capital rehabilitation projects in the Storm Sewer System, especially in the latter half of the five-year CIP. To prevent underinvestment, identifying additional funding for this capital program, including potentially from the General Fund, must be a priority within the next three years.

On November 6, 2018, the Measure T Bond measure was approved for \$650 million, of which \$60 million was allocated to fund Storm Sewer infrastructure projects. Assessments on the property taxes of San José residents are used to support these obligations. Measure T Bond Proceeds revenue of \$34.9 million was received in 2021-2022, with funding of the remaining \$15.7 million scheduled for issuance over in 2023-2024. Total allocated Measure T funding in the program decreased by \$5.9 million due to the scope change in the Storm Drainage at Charcot Ave, which was initially planned as a pump station. After a scope refinement, it was determined that a pump station is not required for the project, but instead a new storm drain system that connects the existing Rincon Pump Station II which outfalls to the Guadalupe Creek River will be constructed. The scope change is anticipated to result in \$5.9 million in project savings, which was transferred to the public safety program to fund critical projects.

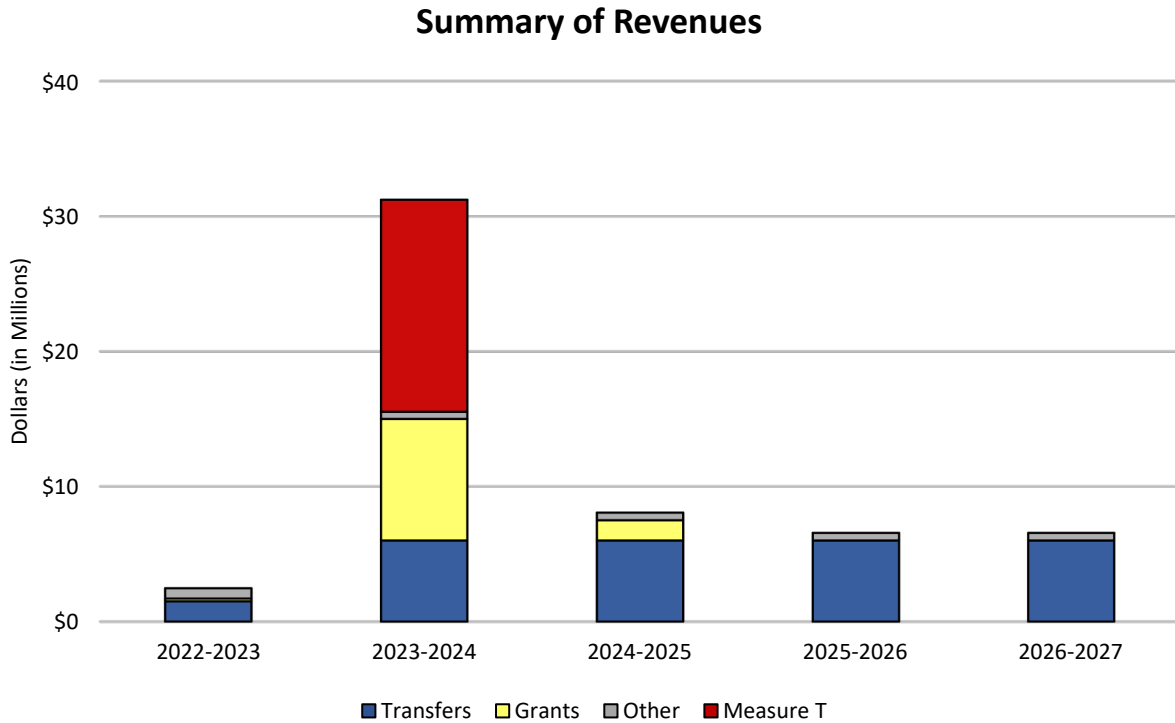
Two grants from the State of California totaling \$10.7 million are anticipated over the 2023-2027 CIP to support the construction of green stormwater infrastructure projects: a \$7.5 million grant to support the construction of Large Trash Capture Devices; and a \$3.2 million grant River Oaks Regional Stormwater Capture Project.

The Storm Drainage Fee is charged to developers as a connection fee for any project that will discharge storm water, surface water, or ground water runoff into the City's Storm Sewer System. The fee is based on the use and size of the parcel being developed.

Storm Sewer System 2023-2027 Proposed Capital Improvement Program

OVERVIEW

SOURCES OF FUNDING



PROGRAM HIGHLIGHTS

The Storm Sewer System Capital Program’s expenditures are organized to show the use of funds in several categories. The following highlights the major projects in the program. For further information on the program’s individual projects, please refer to the Detail Pages.

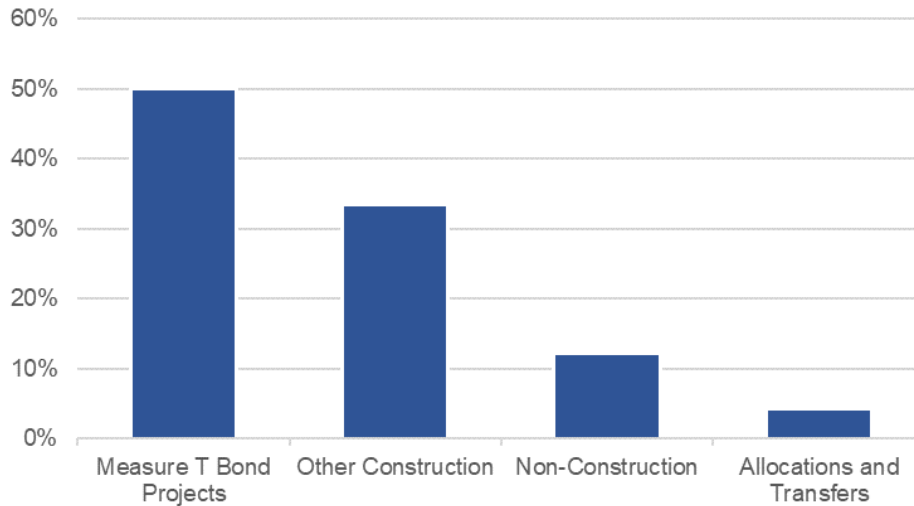
Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

**2023-2027 Storm Sewer System
Capital Program Expenditures
\$96.5 million
(excludes Ending Fund Balance)**



Projects in this Proposed CIP include the installation of technology and infrastructure to maximize the efficiency of the storm sewer collection system and the reliability of storm pump stations, manage the quality of storm water runoff, and minimize ponding and flooding in residential areas.

Measure T Bond Program

About 50% of Proposed CIP expenditures are allocated toward Measure T projects. The Measure T Bond Program, funded from the Public Safety and Infrastructure Bond Fund, will provide \$25.4 million for Storm System Conveyance and Flood Prevention Projects (Storm Drain Improvements at Charcot Avenue) and \$22.5 million for Clean Water Projects at River Oaks and other regional and green street projects. The remaining funds (\$1.2 million) are allocated for related administration costs (\$556,000) and Public Art (\$186,000).

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Storm Sewer Capacity Improvements, Rehabilitation, and Flood Prevention

Impacts from Storm Sewer Operating Fund Transfer Decrease

This Proposed CIP has incorporated significant reductions to a number of ongoing projects under this category as a result of an estimated decrease for the transfer from the Storm Sewer Operating Fund. The amount transferred from the Storm Sewer Operating Fund in the 2021-2025 Adopted CIP was \$50.0 million compared to \$25.5 million estimated to be transferred in the 2023-2027 Proposed CIP. Addressing the deferred infrastructure and maintenance backlog will be more challenging and the backlog will likely increase, with the current estimate of \$180.0 million for one-time needs and \$5.0 million for ongoing needs as indicated in the latest Deferred Maintenance and Infrastructure Backlog report, which was accepted by the Transportation and Environment Committee on April 4, 2022.

Storm Sewer Capacity Improvement and Rehabilitation

Capacity improvement projects are those that prevent flooding over larger areas or drainage basins by constructing large-diameter storm sewers or new pump stations that are identified through past area-specific capacity studies and validated through the ongoing master plan effort. The primary focus of rehabilitation projects is to address deteriorated conditions of storm drain piping and outfall structures and aging mechanical and electrical components at storm sewer pump stations. This 2023-2027 Proposed CIP includes \$1.0 million for the Storm Pump Station Rehabilitation and Replacement project, a decrease of \$0.6 million from the 2022-2026 Adopted CIP amount of \$1.6 million due to declining revenues transferred from the Storm Sewer Operating Fund. Comparatively, the 2021-2025 Adopted CIP included \$9.6 million for Storm Pump Station Rehabilitation and Replacement.

Citywide Outfall Rehabilitation and Flap Gate Installation

- Citywide Outfall Rehabilitation projects are those that address structural failures and deterioration of storm drain outfalls identified through inspection and maintenance activities; and
- Citywide Outfall Flap Gate Installation projects are those that address localized flooding caused by backwater effects from creeks and channels during storm events.



An outfall being rehabilitated on Thompson Creek

This Proposed CIP includes \$16.0 million for the rehabilitation of up to 22 outfalls and installation of up to 16 flap gates. This allocation, Citywide Outfall Improvements, has increased in the 2023-2027 Proposed CIP by \$3.0 million, from \$13.0 million in the 2022-2026 Adopted CIP to \$16.0 million due to the prioritization of rehabilitating and improving outfalls in San José.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Storm Sewer Capacity Improvements, Rehabilitation, and Flood Prevention

Local Flooding/Urgent Flood Prevention and Repair

Localized ponding and flooding can be improved by installing new or relocated storm inlets, laterals, and the reconstruction of displaced flow lines or minor extensions of local storm sewer systems that are generally identified through reoccurring maintenance activities at specific locations. Funding of \$1.3 million is proposed under Storm Sewer Improvements, a decrease from the 2022-2026 Adopted CIP of \$0.6 million, and funding of \$1.3 million for Urgent Storm Drain Repair Projects is also proposed to address issues that may fall into any of the above categories. These projects are developed during the year in response to urgent needs. The decrease to the Storm Sewer Improvements allocation is primarily due to the lower transfer revenue available from the Storm Sewer Operating Fund.

Compliance with the Municipal Stormwater Regional Permit



Top of Precast PCC vault

Citywide Green Infrastructure (GSI) Planning and GSI Plan Implementation

Provision C.3 (New Development and Redevelopment) of the San Francisco Bay Regional Water Quality Control Board Municipal Regional Permit (MRP) requires development and implementation of Green Infrastructure Plan. The City's Green Stormwater Infrastructure (GSI) Plan, which was approved by the City Council in September 2019, serves as an implementation guide for green infrastructure projects. The GSI Plan identifies the means and methods to prioritize particular areas and projects at appropriate geographic and time scales. As part of the implementation phase, the City will refine further the prioritization process to develop the GSI Implementation Plan, which will identify both long-term and near-term GSI projects. The River

Oaks Regional Stormwater Capture Project, funded under Measure T Bond Program and Storm Sewer Capital Fund, has been identified as one of the near-term projects that is being implemented. Other components under Provision C.3 of the MRP include the implementation of Green Streets and Low Impact Development (LID) techniques to address both soluble and insoluble stormwater runoff pollutant discharges and prevent increases in runoff flows to local water bodies. The goal of LID is to reduce runoff and mimic a site's predevelopment hydrology by minimizing disturbed areas and impervious cover and then infiltrating, storing, detaining, evapotranspiring, and/or biotreating stormwater runoff close to its source.

This Proposed CIP includes \$6.5 million for programming, planning and prioritizing green stormwater projects, and \$22.5 million for Measure T – Clean Water Projects, including the River Oaks Stormwater Capture Project. Staff has been working on preparing a feasibility study of the five sites that were identified as potential sites and will seek City Council approval this spring on which site to move forward and be funded by the Clean Water Program.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Trash Load Reduction

Provision C.10 (Trash Load Reduction) of the MRP requires timely implementation of control measures and other actions to reduce trash load to receiving waters. This Proposed CIP includes \$3.0 million for designing the large trash capture (LTC) devices to reduce the trash discharges to local waterways in compliance with the MRP. Funding for LTC projects that is unspent from 2021-2022 is expected to be rebudgeted to 2022-2023 for the award of the construction contract of the LTC Phase VII Project.

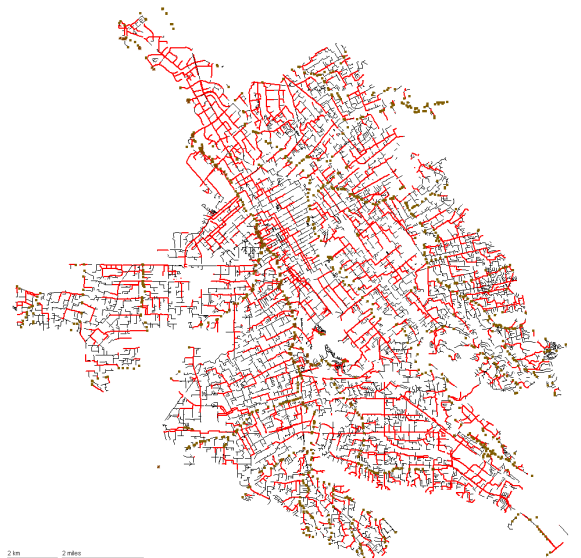


LTC device installation near Coyote Creek

Storm Sewer Master Plan

The Storm Sewer Master Plan is a comprehensive effort to identify and prioritize needed capacity-related improvements to the Storm Sewer System by analyzing current conditions and the anticipated future land use developments in the General Plan. Since the mid-1980s, the City's design standard required that storm drain systems be designed to convey a 10-year storm event. In December 2017, the City completed the first phase of the city-wide Storm Sewer Master Plan study using the fully dynamic, integrated Storm Sewer System and boundary condition using Valley Water's riverine network. The study has identified a preliminary list of storm drain capacity improvement projects.

Over 20 high priority projects totaling \$215 million, including the Charcot Area Storm Drain Improvements Project, were identified to address known flooding due to capacity concern and predicted flooding at a 3-year storm event. The ongoing Storm Sewer Master Plan will refine hydrologic and hydraulic model and incorporate the riverine boundary conditions based on Valley Water's updated models and continue to evaluate project alternatives. The Master Plan will also identify benefits that could be realized by implementing GSI projects in conjunction with the capacity improvement program. This effort will be used as the framework for development of future Storm Sewer CIPs. The ongoing planning efforts have a total allocation of \$7.4 million in the 2023-2027 Proposed CIP, which includes \$5.6 million for Master Planning and \$1.8 million for Flow Monitoring. Once the Master Plan study is completed, staff will develop and recommend a financing strategy to construct the desired improvements.



**Storm Sewer Master Plan Model
(Modeled Pipes in Red)**

Once the Master Plan study is completed, staff will develop and recommend a financing strategy to construct the desired improvements.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

OVERVIEW

MAJOR CHANGES FROM THE 2022-2026 ADOPTED CIP

The overall size of the Storm Sewer System CIP has decreased by \$2.8 million, from \$101.5 million in the 2022-2026 Adopted CIP to \$98.7 million in the 2023-2027 Proposed CIP. The changes to the size of the CIP are attributable to projects being completed and are therefore no longer funded in the future, or to projects that have been otherwise shifted out of the five-year planning horizon.

Major Changes to Project Budgets

The following table outlines the most significant changes to project budgets, including new/augmented allocations and reduced/eliminated allocations.

Project	Incr/(Decr)
Citywide Outfall Improvements	\$3.0 million
Large Trash Capture Devices	\$2.4 million
River Oaks Regional Stormwater Capture Project	\$0.5 million
Storm Pump Station Rehabilitation and Replacement	(\$0.6 million)
Storm Sewer Improvements	(\$0.6 million)

OPERATING BUDGET IMPACT

When completed, capital projects included in the 2023-2027 CIP may impact the General Fund Operating Budget. Additional detail on the individual projects with operating budget impacts is provided in Attachment A after this overview and in the Project Detail Pages. The Department of Transportation maintains the City's Storm Sewer System. The first GSI project (River Oaks Regional Stormwater Capture Project) is anticipated to be online beginning in 2023-2024. It is anticipated that the operating and maintenance costs for River Oaks will be approximately \$163,000 annually beginning in 2023-2024. These costs have been factored into the 2023-2027 Five-Year General Fund Forecast, released in February 2022.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program

Attachment A - Operating Budget Impact

	<u>2023-2024</u>	<u>2024-2025</u>	<u>2025-2026</u>	<u>2026-2027</u>
<u>Storm Sewer Capital Program</u>				
Measure T - Clean Water Projects	\$163,000	\$168,000	\$173,000	\$178,000
Total Storm Sewer Capital Program	\$163,000	\$168,000	\$173,000	\$178,000

Storm Sewer System
2023-2027 Proposed Capital Improvement Program
Source of Funds (Combined)

	Estimated						
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total*
Storm Sewer Capital Fund (469)							
Beginning Balance	19,281,605	9,893,055	953,605	7,466,605	6,459,605	3,937,605	9,893,055
Reserve for Encumbrance	2,032,778						
Transfers and Reimbursements							
Transfer from Storm Sewer Operating Fund (446)	11,500,000	1,500,000	6,000,000	6,000,000	6,000,000	6,000,000	25,500,000
TOTAL Transfers and Reimbursements	11,500,000	1,500,000	6,000,000	6,000,000	6,000,000	6,000,000	25,500,000
Revenue from Use of Money and Property							
Interest Income	370,000	344,000	344,000	344,000	344,000	344,000	1,720,000
TOTAL Revenue from Use of Money and Property	370,000	344,000	344,000	344,000	344,000	344,000	1,720,000
Revenue from Local Agencies							
San José Watershed Invasive Species Removal and Engagement	200,000	200,000					200,000
TOTAL Revenue from Local Agencies	200,000	200,000					200,000
Revenue from State of California							
River Oaks Stormwater Grant		203,550	1,500,000	1,500,000			3,203,550
Large Trash Capture - CALTRANS			7,500,000				7,500,000
TOTAL Revenue from State of California		203,550	9,000,000	1,500,000			10,703,550
Total Storm Sewer Capital Fund (469)	33,384,383	12,140,605	16,297,605	15,310,605	12,803,605	10,281,605	48,016,605

* The 2023-2024 through 2026-2027 Beginning Balances are excluded from in FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2023-2027 Proposed Capital Improvement Program
Source of Funds (Combined)

	Estimated						
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total*
Storm Drainage Fee Fund (413)							
Beginning Balance	539,167	484,167	441,407	417,647	403,887	390,127	484,167
Reserve for Encumbrance	172,546						
Revenue from Use of Money and Property							
Interest Income	12,000	19,240	19,240	19,240	19,240	19,240	96,200
TOTAL Revenue from Use of Money and Property	12,000	19,240	19,240	19,240	19,240	19,240	96,200
Revenue from Local Agencies							
Joint Participation with the City of Cupertino	4,000	4,000	4,000	4,000	4,000	4,000	20,000
TOTAL Revenue from Local Agencies	4,000	4,000	4,000	4,000	4,000	4,000	20,000
Fees, Rates and Charges							
Storm Drainage Fees	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
TOTAL Fees, Rates and Charges	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Storm Drainage Fee Fund (413)	927,713	707,407	664,647	640,887	627,127	613,367	1,600,367
Public Safety and Infrastructure Bond Fund - Storm Sewer (498)							
Beginning Balance	2,376,147	33,346,148	11,783,148	5,798,148	406,148	406,148	33,346,148

* The 2023-2024 through 2026-2027 Beginning Balances are excluded from in FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2023-2027 Proposed Capital Improvement Program
Source of Funds (Combined)

	Estimated						
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total*
Reserve for Encumbrance	111,737						
Financing Proceeds							
Measure T Bond Proceeds	34,900,000		15,700,000				15,700,000
TOTAL Financing Proceeds	34,900,000		15,700,000				15,700,000
Total Public Safety and Infrastructure Bond Fund - Storm Sewer (498)	37,387,884	33,346,148	27,483,148	5,798,148	406,148	406,148	49,046,148
TOTAL SOURCES	71,699,980	46,194,160	44,445,400	21,749,640	13,836,880	11,301,120	98,663,120

* The 2023-2024 through 2026-2027 Beginning Balances are excluded from in FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program Use of Funds (Combined)

	Estimated 2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total
<u>Storm Sewer System</u>							
2017 Flood - Bailey Ave Storm Drain Inlet Repair	105,502						
Alviso Storm Pump Station	64,448						
Citywide Outfall Improvements	3,555,066	3,000,000	3,000,000	3,000,000	3,500,000	3,500,000	16,000,000
Condition Assessment Storm Sewer Repairs	475,516	150,000	150,000	150,000	150,000	150,000	750,000
Green Infrastructure Improvements	1,650,000	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000
Large Trash Capture Devices	8,489,083	2,500,000	500,000				3,000,000
River Oaks Regional Stormwater Capture Project	2,191,550	500,000	500,000	500,000			1,500,000
Stockton-Cinnabar and Stockton-Taylor Storm Drain System Improvements	50,001	150,000	150,000	150,000	150,000	150,000	750,000
Storm Pump Station Rehabilitation and Replacement	756,900	200,000	200,000	200,000	200,000	200,000	1,000,000
Storm Sewer Improvements	1,478,235	250,000	250,000	250,000	250,000	250,000	1,250,000
Urgent Storm Drain Repair Projects	553,351	250,000	250,000	250,000	250,000	250,000	1,250,000
Other Storm Sewer - Construction	19,369,650	8,000,000	6,000,000	6,000,000	6,000,000	6,000,000	32,000,000
Measure T - Clean Water Projects	992,456	7,007,000	10,546,000	4,949,000			22,502,000
Measure T - Storm Drain Improvements at Charcot Avenue	2,501,281	14,016,000	10,988,000	392,000			25,396,000
Measure T Bond Projects - Storm	3,493,736	21,023,000	21,534,000	5,341,000			47,898,000
Storm Sewer - Construction	22,863,386	29,023,000	27,534,000	11,341,000	6,000,000	6,000,000	79,898,000
Charcot Storm Pump Rental	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Fee Administration - Storm Sewer	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Flow Monitoring Program	412,302	350,000	350,000	350,000	350,000	358,000	1,758,000

* The 2022-2023 through 2025-2026 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program Use of Funds (Combined)

	Estimated						
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total
Permit Review and Inspection for Outside Agencies - Storm Sewer	50,000	50,000	50,000	50,000	50,000	50,000	250,000
Preliminary Engineering - Storm Sewer	180,005	180,000	180,000	180,000	180,000	180,000	900,000
Program Management - Storm Sewer	150,000	150,000	150,000	150,000	150,000	150,000	750,000
San Jose Watershed Invasive Species Removal and Engagement	412,675	200,000					200,000
Storm Sewer Master Plan - City-wide	1,470,242	1,160,000	1,080,000	1,095,000	1,115,000	1,130,000	5,580,000
Pump Station SCADA Upgrade - Storm Sewer			150,000	150,000	150,000	150,000	600,000
General Non-Construction - Storm Sewer	3,000,224	2,415,000	2,285,000	2,300,000	2,320,000	2,343,000	11,663,000
Storm Sewer - Non Construction	3,000,224	2,415,000	2,285,000	2,300,000	2,320,000	2,343,000	11,663,000
Public Art Allocation	593,000	38,000	18,000	23,000	18,000	18,000	115,000
Measure T - Public Art Storm Sewer	341,000	17,000	118,000	51,000			186,000
Public Art Projects	934,000	55,000	136,000	74,000	18,000	18,000	301,000
Capital Program and Public Works Department Support Service Costs	852,000	860,000	635,000	625,000	625,000	624,000	3,369,000
Infrastructure Management System	12,000	12,000	12,000	12,000	12,000	12,000	60,000
Measure T - Admin Storm Sewer	207,000	31,000	33,000				64,000
Allocations	1,071,000	903,000	680,000	637,000	637,000	636,000	3,493,000
City Hall Debt Service Fund	98,000	122,000	122,000	122,000	122,000	121,000	609,000
Transfers to Special Funds	98,000	122,000	122,000	122,000	122,000	121,000	609,000
General Fund - Interest Income	10,000	6,000	6,000	6,000	6,000	6,000	30,000
Transfers to the General Fund	10,000	6,000	6,000	6,000	6,000	6,000	30,000
Transfers Expense	108,000	128,000	128,000	128,000	128,000	127,000	639,000
Measure T - Admin Reserve Storm Sewer		492,000					492,000
Expense Reserves - Non Construction		492,000					492,000

* The 2022-2023 through 2025-2026 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System

2023-2027 Proposed Capital Improvement Program Use of Funds (Combined)

	Estimated 2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	5-Year Total
Total Expenditures	27,976,610	33,016,000	30,763,000	14,480,000	9,103,000	9,124,000	96,486,000
Ending Fund Balance	43,723,370	13,178,160	13,682,400	7,269,640	4,733,880	2,177,120	2,177,120
TOTAL	71,699,980	46,194,160	44,445,400	21,749,640	13,836,880	11,301,120	98,663,120

* The 2022-2023 through 2025-2026 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

Large Trash Capture Devices

CSA	Environmental and Utility Services	Initial Start Date	3rd Qtr. 2014
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	2nd Qtr. 2016
Location	City-wide	Revised Start Date	
Dept Owner	Public Works	Revised End Date	2nd Qtr. 2024
Council Districts	City-wide	Initial Project Budget	\$11,480,000
Appropriation	A7676	FY Initiated	2014-2015

Description This project includes the installation of Large Trash Capture (LTC) devices throughout the City in order to meet the Municipal Regional Permit Provision C.10 trash reduction requirements. The City must install certified LTC units in order for the treated acreage to count toward the City's trash reduction goals.

Justification This project will reduce and/or remove trash from the City's storm sewer system prior to discharging into local water ways.

Notes Funding provided by the CalTrans Grant in the amount of \$7.5 million which can be used as reimbursements for this project.

Major Cost Changes 2017-2021 CIP - Increase of \$1.7 million to support the installation of additional LTC devices.
 2018-2022 CIP - Increase of \$11.9 million to support the installation of additional LTC devices.
 2022-2026 CIP - Increase of \$4.8 million to support the installation of additional LTC devices.
 2023-2027 CIP - Increase of \$5.3 million to support the installation of additional LTC devices.

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
Project Feasibility Development	828	0								828
Design	1,430	0								1,430
Bid & Award	258									258
Construction	21,564	8,489	2,500	500				3,000		33,053
Post Construction	274									274
Total	24,354	8,489	2,500	500				3,000		35,843

Funding Source Schedule (000s)										
Storm Sewer Capital Fund (469)	24,354	8,489	2,500	500				3,000		35,843
Total	24,354	8,489	2,500	500				3,000		35,843

Annual Operating Budget Impact (000s)										
Total										

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

Measure T - Clean Water Projects

CSA	Environmental and Utility Services	Initial Start Date	3rd Qtr. 2019
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	2nd Qtr. 2024
Location	City-wide	Revised Start Date	
Dept Owner	Public Works	Revised End Date	4th Qtr. 2024
Council Districts	City-wide	Initial Project Budget	\$25,000,000
Appropriation	A414V	FY Initiated	2019-2020

Description This appropriation provides funding to construct green infrastructures to capture, filter, and treat stormwater prior to discharge into local waterways in order to meet regulatory requirements. Where opportunities exist, the green infrastructures will provide additional community benefits such as enhancing public spaces, augmenting water supply, reducing flood peaks, and enhancing or creating ecological habitats.

Justification The projects are to comply with the regulatory requirements and the Baykeeper consent decree, meeting the San Francisco Bay Region Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit and in alignment with Envision San José 2040 General Plan and Climate Smart San José.

Notes River Oaks Regional Stormwater Capture Project has been identified as one of the projects under this appropriation. Six additional project sites that may be supported by the Measure T - Clean Water Projects allocation have been identified and were presented in the Status Report on the 2018 Ballot Measure T - The Disaster Preparedness, Public Safety and Infrastructure General Obligation Bond and approved by City Council on June 15, 2021.

Major Cost Changes

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
Project Feasibility Development	869	110	200					200		1,179
Design	0		800					800		800
Construction		882	6,007	10,546	4,949			21,502		22,384
Total	869	992	7,007	10,546	4,949			22,502		24,364

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Funding Source Schedule (000s)										
Public Safety and Infrastructure Bond Fund - Storm Sewer (498)	869	992	7,007	10,546	4,949			22,502		24,364
Total	869	992	7,007	10,546	4,949			22,502		24,364

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Annual Operating Budget Impact (000s)										
Operating				163	168	173	178			
Maintenance				163	173	183				
Total				326	341	356	178			

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

Measure T - Storm Drain Improvements at Charcot Avenue

CSA	Environmental and Utility Services	Initial Start Date	3rd Qtr. 2019
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	2nd Qtr. 2024
Location	Zanker Road between Trimble Road and Brokaw Road	Revised Start Date	
Dept Owner	Public Works	Revised End Date	3rd Qtr. 2024
Council Districts	4	Initial Project Budget	\$35,000,000
Appropriation	A414T	FY Initiated	2019-2020

Description This appropriation provides funding for planning, designing, California Environmental Quality Act (CEQA) evaluation, permitting, and construction of Storm Drain System Improvements to reduce flooding in the Charcot sub-drainage area. The project construction includes piping installation (about 7,300' of piping, 60" to 96" in diameter), pump station upgrade, and large diameter outfall upgrade. The project will service a tributary area east of Zanker Road between Trimble Road and Brokaw Road.

Justification The project is required to reduce flooding for the area east of Zanker Road between Trimble Road and Brokaw Road, approximately 420 acres in size, from a 10-year storm event.

Notes

Major Cost Changes 2021-2025 CIP - Decrease of \$6.7 million to reallocate funding to other Measure T public safety projects as well as setting aside funding for administration and Public Art allocations within the Storm Sewer CIP.

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
Project Feasibility Development	367	1								368
Design	2		1,000					1,000		1,002
Construction		2,500	13,016	10,988	392			24,396		26,896
Total	369	2,501	14,016	10,988	392			25,396		28,266

Funding Source Schedule (000s)										
Public Safety and Infrastructure Bond Fund - Storm Sewer (498)	369	2,501	14,016	10,988	392			25,396		28,266
Total	369	2,501	14,016	10,988	392			25,396		28,266

Annual Operating Budget Impact (000s)										
Total										

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

River Oaks Regional Stormwater Capture Project

CSA	Environmental and Utility Services	Initial Start Date	4th Qtr. 2020
CSA Outcome	Healthy Streams, Rivers, Marsh, and Bay	Initial End Date	2nd Qtr. 2022
Location	North First Street and River Oaks Parkway	Revised Start Date	
Dept Owner	Public Works	Revised End Date	4th Qtr. 2024
Council Districts	4	Initial Project Budget	\$3,204,000
Appropriation	A422S	FY Initiated	2020-2021

Description This project transforms the existing River Oaks Stormwater Pump Station into a regional green stormwater infrastructure to improve stormwater quality while providing other community benefits such as educational, recreational, and aesthetic amenities.

Justification This project will meet the requirements of the San Francisco Bay Regional Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) Permit, comply with the Baykeeper Consent Decree, and align with the Envision San José 2040 General Plan and Climate Smart San José goals.

Notes The total cost of the River Oaks Regional Stormwater Capture Project is \$11 million. This allocation represents the portion of the River Oaks Regional Stormwater Capture Project supported by a grant from the State of California in the amount of \$3.2M as approved by City Council on August 25, 2020. Additional project costs are accounted for in the Measure T - Clean Water Projects allocation in the Public Safety and Infrastructure Bond Fund - Storm Sewer Fund (498).

Major Cost Changes 2023-2027 CIP - Increase of \$500,00 due to a refined project scope and cost estimate.

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
General Administration										
Project Feasibility Development	12	1,006								1,018
Construction		1,186	500	500	500			1,500		2,686
Total	12	2,192	500	500	500			1,500		3,704

Funding Source Schedule (000s)										
Storm Sewer Capital Fund (469)	12	2,192	500	500	500			1,500		3,704
Total	12	2,192	500	500	500			1,500		3,704

Annual Operating Budget Impact (000s)										
Total										

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

San Jose Watershed Invasive Species Removal and Engagement

CSA	Environmental and Utility Services	Initial Start Date	3rd Qtr. 2017
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	2nd Qtr. 2023
Location	Coyote Creek Watershed	Revised Start Date	
Dept Owner	Public Works	Revised End Date	
Council Districts	2, 3, 4, 7, and 8	Initial Project Budget	\$1,000,000
Appropriation	A406I	FY Initiated	2017-2018

Description The allocation will be used to establish an invasive species identification and removal program on City-owned properties located along the Coyote Creek watershed. In addition, this will include outreach opportunities to increase community awareness about the impacts of invasive species to the local ecosystems. Funding for this program is provided through the D2 Partnership fund established by the Santa Clara Valley Water District under their Safe, Clean Water and Natural Flood Protection Program.

Justification This allocation is required as a result of the February 2017 flood event to help improve the health of the ecosystem within Coyote Creek watershed and to provide increased flow conveyance within Coyote Creek.

Notes

Major Cost Changes 2023-2027 CIP - Increase of \$111,000 due to a refined project scope and cost estimate.

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
Project Feasibility Development	196	348	200					200		744
Construction	302	65								367
Total	498	413	200					200		1,111

Funding Source Schedule (000s)										
Storm Sewer Capital Fund (469)	498	413	200					200		1,111
Total	498	413	200					200		1,111

Annual Operating Budget Impact (000s)										
Total										

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of One-Time Projects

Stockton-Cinnabar and Stockton-Taylor Storm Drain System

CSA	Environmental and Utility Services	Initial Start Date	3rd Qtr. 2019
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	2nd Qtr. 2024
Location	West of the Guadalupe River between Park Ave and Freeway 880	Revised Start Date	
Dept Owner	Public Works	Revised End Date	2nd Qtr. 2027
Council Districts	3, 6	Initial Project Budget	\$15,000,000
Appropriation	A416I	FY Initiated	2019-2020

Description The current funding level supports the planning, scoping, and preliminary design of the storm drain improvements for the Stockton-Cinnabar and Stockton-Taylor Storm Drain System. The final project, which includes final design and construction, will improve the storm drain system for a total tributary area of approximately 580 acres, located west of Guadalupe River between Interstate 880 and Park Avenue, including installation of approximately 13,000 feet of storm drain piping, from 24" to 54" in diameter, and two large outfalls into Guadalupe River.

Justification The area has experienced frequent street flooding and Taylor Street was often closed down. The storm drain system in this area is greatly undersized, and improvements are needed to protect the area from flooding.

Notes

Major Cost Changes 2021-2025 CIP - Decrease of \$12.5 million due to reallocation to more critical projects/programs including the Citywide Outfall Improvements and Storm Pump Station Rehabilitation projects.
 2022-2026 CIP - Decrease of \$1.8 million due to reallocation to more critical projects/programs.
 2023-2027 CIP - Increase of \$0.1 million to account for higher design costs.

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Expenditure Schedule (000s)										
Project Feasibility Development	9									9
Design		50	150					150		200
Construction				150	150	150	150	600		600
Total	9	50	150	150	150	150	150	750		809

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Funding Source Schedule (000s)										
Storm Sewer Capital Fund (469)	9	50	150	150	150	150	150	750		809
Total	9	50	150	150	150	150	150	750		809

	PRIOR YEARS	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Annual Operating Budget Impact (000s)										
Total										

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Charcot Storm Pump Rental

CSA Outcome	Reliable Utility Infrastructure	Council Districts	4
Department Owner	Public Works	Appropriation	A6580
Description	This project allocates funding for the rental of temporary storm pump equipment and permit fees from the Santa Clara Valley Water District (SCVWD), the owner of the property off of Charcot Avenue near Coyote Creek. Currently, the City maintains a two-year permit to use the SCVWD site.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Equipment, Materials and Supplies	300	300	300	300	300	300	300	1,500
Total	300	300	300	300	300	300	300	1,500

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	300	300	300	300	300	300	300	1,500
Total	300	300	300	300	300	300	300	1,500

Citywide Outfall Improvements

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A4245
Description	This allocation funds the construction or rehabilitation of storm drain outfalls at various locations throughout the City. The Department of Transportation (DOT) has identified more than 250 outfalls that are missing, deteriorated, or in need of improvement to bring them to current design standards. This ongoing allocation funds the most critical outfall construction based on priorities jointly established by DOT, the Public Works Department, and regulatory agencies.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	20	20						
Design	29	29						
Construction	5,507	3,507	3,000	3,000	3,000	3,500	3,500	16,000
Total	5,555	3,555	3,000	3,000	3,000	3,500	3,500	16,000

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	5,555	3,555	3,000	3,000	3,000	3,500	3,500	16,000
Total	5,555	3,555	3,000	3,000	3,000	3,500	3,500	16,000

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Condition Assessment Storm Sewer Repairs

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A7801
Description	This allocation funds contracts to identify and repair damaged pipes in the storm sewer system, and includes multiple projects each year as they are identified. Areas with groundwater infiltration and significant structural deficiencies will be the focus of these identify-and-repair contracts.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	5	5	5	5	5	5	5	25
Design	25	25	25	25	25	25	25	125
Bid & Award	5	5	5	5	5	5	5	25
Construction	441	441	115	115	115	115	115	575
Total	476	476	150	150	150	150	150	750

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	476	476	150	150	150	150	150	750
Total	476	476	150	150	150	150	150	750

Fee Administration - Storm Sewer

CSA Outcome	Reliable Utility Infrastructure	Council Districts	N/A
Department Owner	Public Works	Appropriation	A5411
Description	This allocation provides funding for the Department of Public Works Development Program to collect Storm Drainage Fees.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
General Administration	25	25	25	25	25	25	25	125
Total	25	25	25	25	25	25	25	125

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Drainage Fee Fund (413)	25	25	25	25	25	25	25	125
Total	25	25	25	25	25	25	25	125

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Flow Monitoring Program

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A5867
Description	This allocation funds the installation of flow monitors and rain gauges, which measure the actual amount of flow in storm drains and precipitation at strategic locations. The data and information are used to calibrate and validate the flow/rainfall relationship in the hydrologic and hydraulic model of the storm drain system as part of the master plan study.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	350	350	350	350	350	350	358	1,758
Design	62	62						
Total	412	412	350	350	350	350	358	1,758

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	412	412	350	350	350	350	358	1,758
Total	412	412	350	350	350	350	358	1,758

Green Infrastructure Improvements

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A402P
Description	This allocation funds projects that will implement Green Infrastructure as required by the Municipal Regional Permit. The goal is to reduce impervious surfaces through the use of Low Impact Development that will reduce the flow rate and improve water quality by treating the urban stormwater runoff before it enters into waterways such as creeks and rivers in San José.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Construction	1,650	1,650	1,000	1,000	1,500	1,500	1,500	6,500
Total	1,650	1,650	1,000	1,000	1,500	1,500	1,500	6,500

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	1,650	1,650	1,000	1,000	1,500	1,500	1,500	6,500
Total	1,650	1,650	1,000	1,000	1,500	1,500	1,500	6,500

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Permit Review and Inspection for Outside Agencies - Storm Sewer

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A7075
Description	This allocation funds the review and inspection of Santa Clara Valley Water District (SCVWD) projects. The City and the SCVWD do not charge one another for these services.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
General Administration	50	50	50	50	50	50	50	250
Total	50	50	50	50	50	50	50	250

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	50	50	50	50	50	50	50	250
Total	50	50	50	50	50	50	50	250

Preliminary Engineering - Storm Sewer

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A400P
Description	This allocation supports preliminary engineering, including surveys and evaluations, that evaluates the potential effects of projects not yet funded in this program.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Design	180	180	180	180	180	180	180	900
Total	180	180	180	180	180	180	180	900

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	180	180	180	180	180	180	180	900
Total	180	180	180	180	180	180	180	900

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Program Management - Storm Sewer

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A400Q
Description	This allocation funds the administration and management of this Capital Improvement Program.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
General Administration	150	150	150	150	150	150	150	750
Total	150	150	150	150	150	150	150	750

Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	150	150	150	150	150	150	150	750
Total	150	150	150	150	150	150	150	750

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Storm Pump Station Rehabilitation and Replacement

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A5150
Description	This allocation funds the rehabilitation, reconstruction, or replacement of aging pump stations that require high levels of maintenance.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	3	3	3	3	3	3	3	15
Design	50	50	50	50	50	50	50	250
Bid & Award	3	3	3	3	3	3	3	15
Construction	701	701	144	144	144	144	144	720
Total	757	757	200	200	200	200	200	1,000

Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	757	757	200	200	200	200	200	1,000
Total	757	757	200	200	200	200	200	1,000

Storm Sewer Improvements

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A4483
Description	This allocation funds minor storm drain projects, such as construction of new inlets and laterals (storm pipe connections from the inlet to the main), and the establishment of flow-lines in various neighborhoods. Resources will be allocated to address these needs as funding permits.		

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	10	10	10	10	10	10	10	50
Design	40	40	40	40	40	40	40	200
Bid & Award	6	6	6	6	6	6	6	30
Construction	1,422	1,422	194	194	194	194	194	970
Total	1,478	1,478	250	250	250	250	250	1,250

Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	1,478	1,478	250	250	250	250	250	1,250
Total	1,478	1,478	250	250	250	250	250	1,250

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Detail of Ongoing Projects

Storm Sewer Master Plan - City-wide

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A5252

Description The first phase of the Storm Sewer Master Plan study was completed in 2017, which recommended capital costs totaling \$230 million for high priority capacity projects. This allocation funds an ongoing master planning effort for the storm sewer system, which will incorporate the Green Infrastructure Plan into the hydrologic and hydraulic computer model and recommend optimized green (infrastructure) plus grey (conveyance) projects for the future CIPs.

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	1,300	1,300	1,160	1,080	1,095	1,115	1,130	5,580
Maintenance, Repairs, Other	170	170						
Total	1,470	1,470	1,160	1,080	1,095	1,115	1,130	5,580

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	1,100	1,100	960	880	895	915	930	4,580
Storm Drainage Fee Fund (413)	370	370	200	200	200	200	200	1,000
Total	1,470	1,470	1,160	1,080	1,095	1,115	1,130	5,580

Urgent Storm Drain Repair Projects

CSA Outcome	Reliable Utility Infrastructure	Council Districts	City-wide
Department Owner	Public Works	Appropriation	A4287

Description This allocation funds unscheduled engineering and construction projects on an as-needed basis, including participation in cooperative projects with other agencies in support of the City's storm sewer system.

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Expenditure Schedule (000s)								
Project Feasibility Development	5	5	5	5	5	5	5	25
Design	10	10	10	10	10	10	10	50
Bid & Award	5	5	5	5	5	5	5	25
Construction	531	531	230	230	230	230	230	1,150
Maintenance, Repairs, Other	2	2						
Total	553	553	250	250	250	250	250	1,250

	FY22 Budget	FY22 EST	FY23	FY24	FY25	FY26	FY27	5 Year Total
Funding Source Schedule (000s)								
Storm Sewer Capital Fund (469)	551	551	250	250	250	250	250	1,250
Storm Drainage Fee Fund (413)	2	2						
Total	553	553	250	250	250	250	250	1,250

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Summary of Reserves

Project Name	Measure T - Admin Reserve Storm Sewer
5-Yr CIP Budget	\$ 492,000
Total Budget	\$ 492,000
Council Districts	N/A
Description	This reserve sets aside funding for the administrative costs associated with the oversight and management of the Measure T Public Safety and Infrastructure Bond Program.

Storm Sewer Capital Program
2023-2027 Proposed Capital Improvement Program
Summary of Projects that Start After 2022-2023

Project Name	Pump Station SCADA Upgrade - Storm Sewer	Initial Start Date	3rd Qtr 2023
5-Yr CIP Budget	\$ 600,000	Initial End Date	2nd Qtr 2027
Total Budget	\$ 600,000	Revised Start Date	
Council Districts	Citywide	Revised End Date	
Description	This project will upgrade the Supervisory Control and Data Acquisition (SCADA) systems at the City's storm sewer pump stations.		
