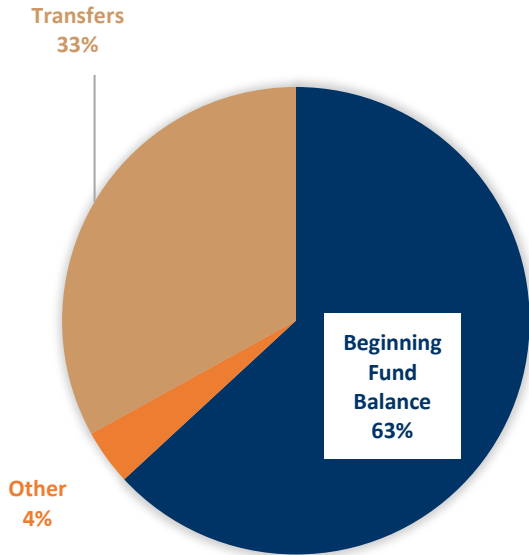


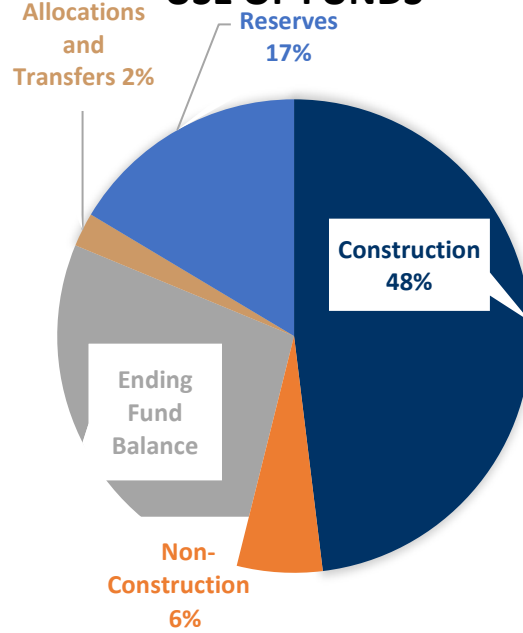
SANITARY SEWER SYSTEM

2024-2028 Proposed Capital Improvement Program

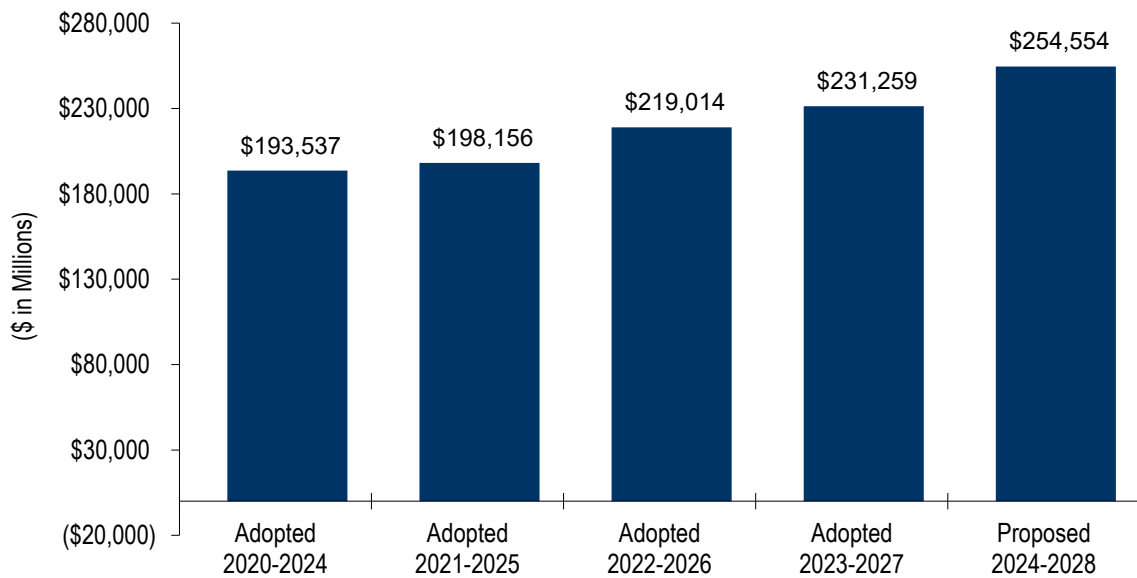
**2023-2024 PROPOSED
SOURCE OF FUNDS**



**2023-2024 PROPOSED
USE OF FUNDS**



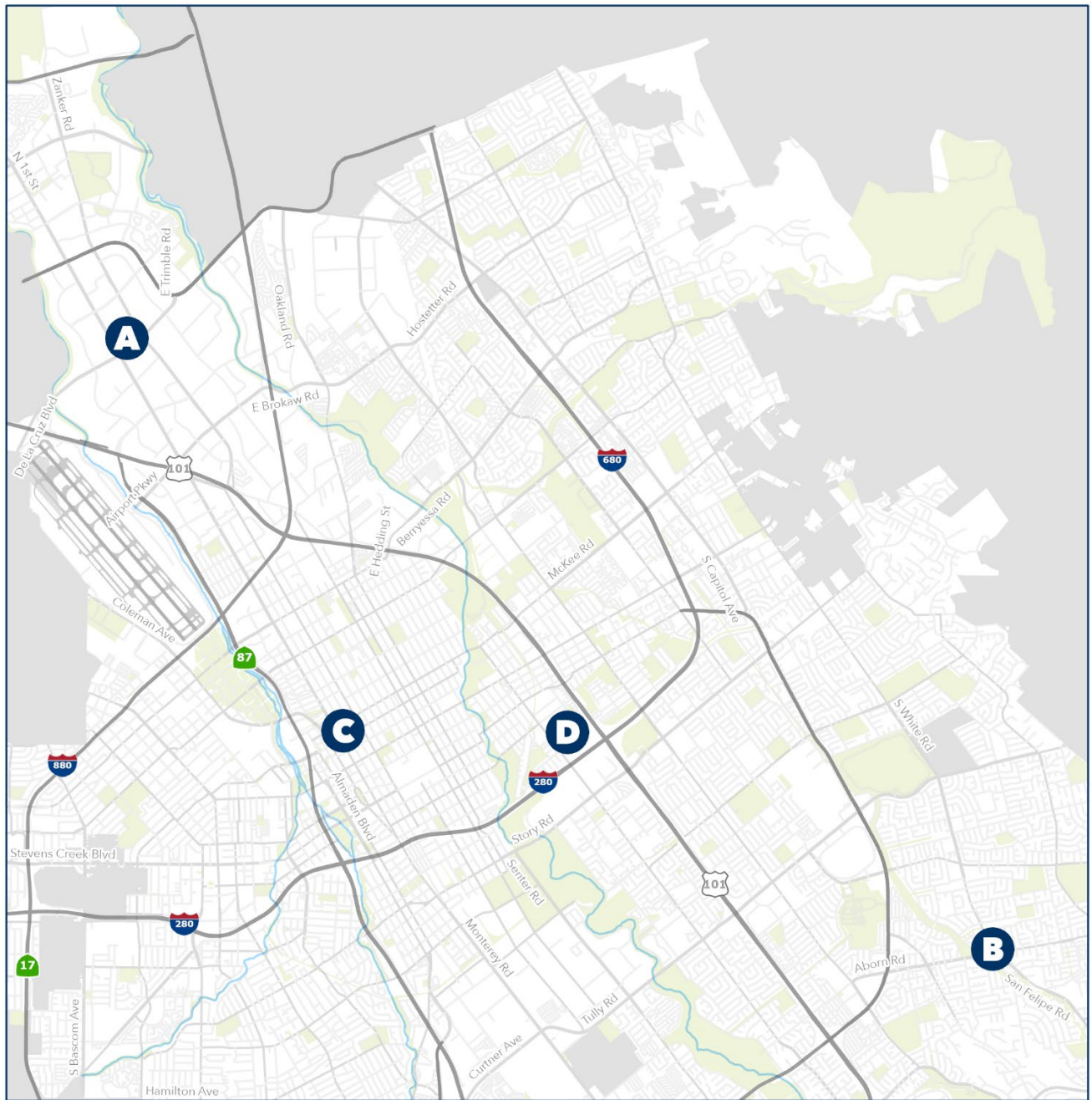
CIP History



Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

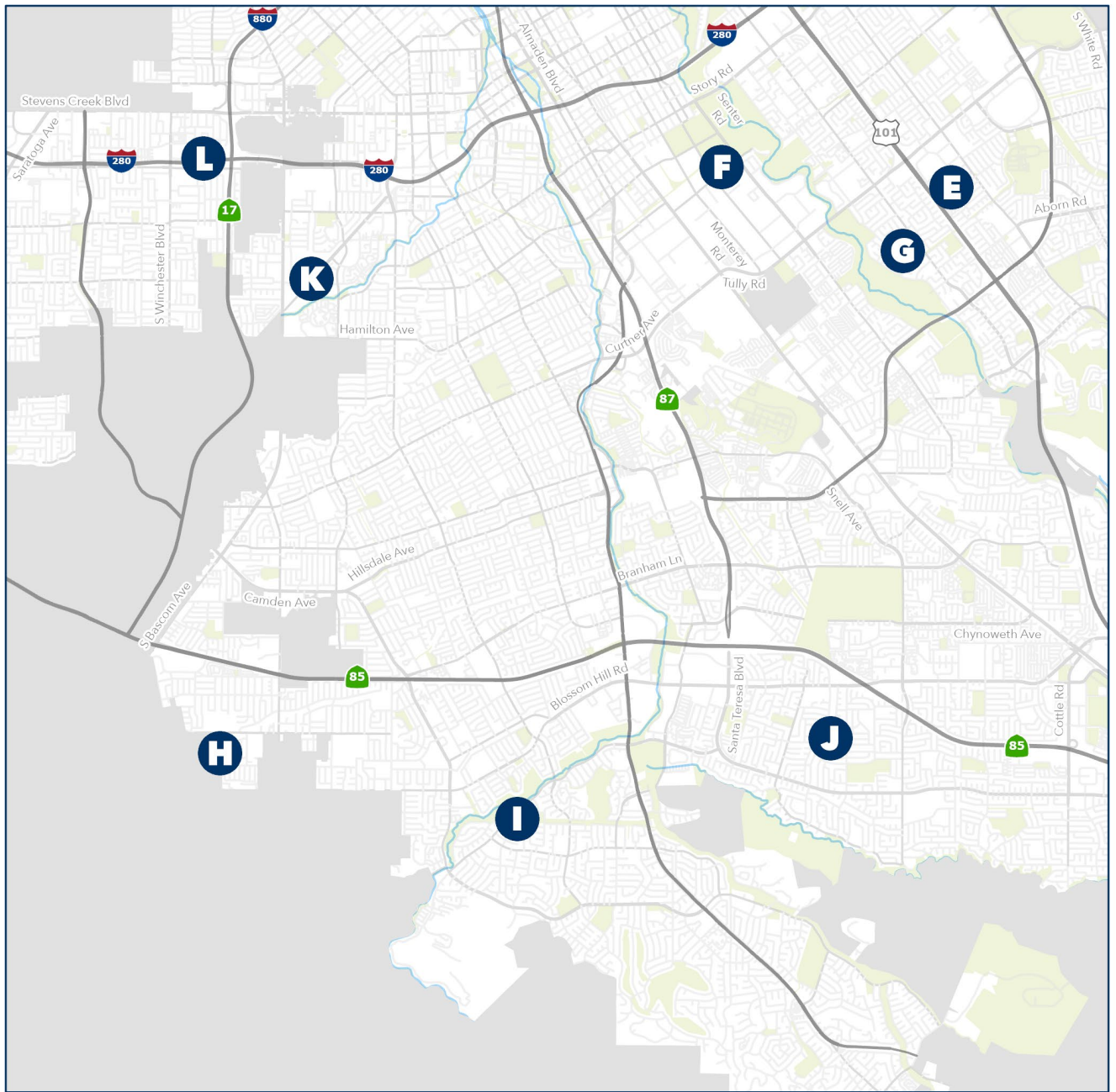
North East



- A** North 1st St Sanitary Sewer Improvement
- B** South White Road Sanitary Sewer Improvement
- C** Fourth Major Interceptor, Phase VIIA
- D** McLaughlin Ave-24th St Sanitary Sewer Improvement

Sanitary Sewer System 2024-2028 Proposed Capital Improvement Program

South West



- E** Fontaine Rd Sanitary Sewer Improvement
- F** Almaden Supplement Sewer Rehabilitation (North)
- G** McLaughlin Ave-Idlewood Dr Sanitary Sewer Improvement
- H** Blossom Hill Road and Leigh Avenue
- I** Coleman Road Sanitary Sewer Improvements - Phase 3
- J** Chesbro Avenue Sanitary Sewer Improvement
- K** Southwest Expressway Sanitary Sewer Improvement
- L** Tisch Way Sanitary Sewer Improvement

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Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

OVERVIEW

INTRODUCTION

The Sanitary Sewer System of the City of San José consists of approximately 2,040¹ miles of sewer mains ranging in diameter from 6 to 90 inches. The system serves the City, as well as several other jurisdictions, including West Valley Sanitation District (WVSD), City of Santa Clara, County Sanitation Districts 2-3, and Burbank Sanitation District, and conveys sewage to the San José-Santa Clara Regional Wastewater Facility (RWF). The replacement value of the system is estimated at approximately \$3.5 billion.

| SANITARY SEWER SYSTEM PUBLIC INFRASTRUCTURE | |
|--|--------|
| MILES OF SEWER MAINS | |
| 6" TO 8" in diameter | 1,580 |
| 10" TO 12" in diameter | 200 |
| OVER 12" in diameter | 250 |
| FORCE MAIN | 10 |
| NUMBER OF MANHOLES | 39,469 |
| NUMBER OF PUMP STATIONS | 17 |

The 2024-2028 Proposed Capital Improvement Program (CIP) provides funding of \$254.6 million, of which \$106.0 million is allocated in 2023-2024. This 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 2024-2028 Proposed Sanitary Sewer System CIP supports the priorities and objectives of the Environmental and Utility Services CSA by maintaining the following strategic priorities:

- Ensure adequate capacity within the system and to reduce Sanitary Sewer Overflows (SSOs);
- Support the goal of preventing SSOs by providing sufficient system capacity and maintaining system structure integrity;
- Manage system capacity, assess the system's condition, and construct sewer improvement projects;
- Improve sewer capacity in substantially built-out areas and less-developed areas to accommodate economic development; and
- Rehabilitate existing sewers with a higher priority given to those with extensive, severe deterioration, and evaluated alongside race and income data of neighborhoods served by deteriorating infrastructure to ensure that rehabilitation efforts are equitably provided to the fullest extent legally permissible.

The Sanitary Sewer System CIP is guided by several interrelated plans, and chief among them is the Envision San José 2040 General Plan (General Plan). The General Plan provides a guide for all capital improvement programs to align public infrastructure investment with San José's plans for future growth. This means that the projects included in the Sanitary Sewer System CIP ensure adequate sewer capacity and reliability to safely convey sewage city-wide, as well as within those areas designated for future development. The land uses and growth included in the General Plan were also used in the development of the Sanitary Sewer Master Plan – Phase II and Update of Phase I (Master Plan Phase II) that was completed in April 2013, and in the development of the Phase III and Update of Phase II (Master Plan Phase III) that is currently being drafted.

¹ Total length was updated in 2020 based on the latest GIS data to exclude sewer mains that were abandoned or owned by adjacent agencies or private developers.

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

OVERVIEW

PROGRAM PRIORITIES AND OBJECTIVES

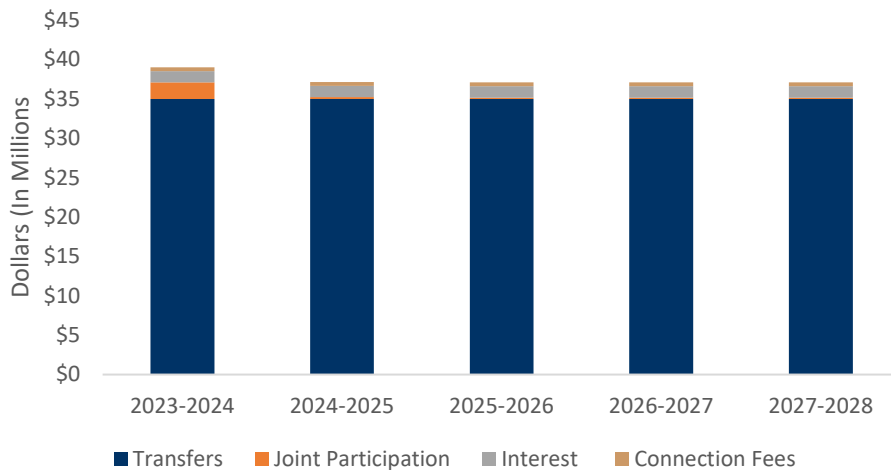
The Master Plan Phase II helped identify and address trunk sewer capacity improvement needs in the existing system and forecasted additional capacity-enhancing projects required to meet future demands in the context of the General Plan. Master Plan Phase III will identify and address smaller diameter (6-inch and 8-inch) sewer capacity improvement needs.

As identified in the Status Report on Deferred Maintenance and Infrastructure Backlog accepted by the Transportation and Environment Committee on April 4, 2022, the Sanitary Sewer Collection System has estimated unfunded needs of approximately \$900,000 per year. The City will continue to evaluate staffing levels, resources, and overall strategic capital improvement priorities at both the RWF and the sanitary collection system to address the remaining unfunded needs in the future.

SOURCES OF FUNDING

The 2024-2028 Proposed CIP provides funding of \$254.6 million, of which \$106.0 million is allocated in 2023-2024. Revenue for this CIP is mainly derived from the following sources: transfers from the Sewer Service and Use Charge (SSUC) Fund, Sanitary Sewer Connection Fees, and Joint Participation contributions from other jurisdictions served by the Sanitary Sewer System for the use of San José sewer lines. Among these revenues, the SSUC Fund transfer continues to be the primary funding source for the program.

Summary of Revenues



Sanitary Sewer System

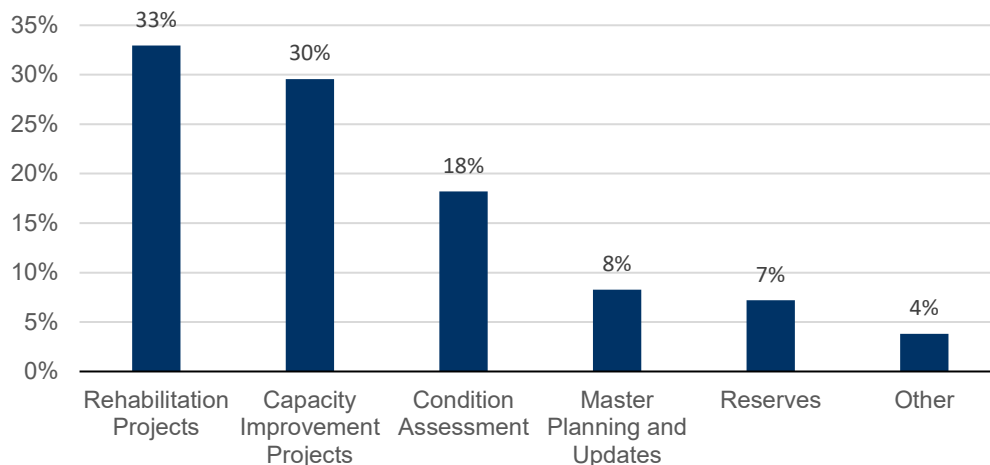
2024-2028 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

The Sanitary 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.

2024-2028 Sanitary Sewer Utility System Capital Program Expenditures
\$241.6 million
(excludes Ending Fund Balance)



Capacity Improvement

Approximately 30% of the Proposed CIP (\$71.4 million) is programmed Sanitary Sewer system capacity enhancement. These capacity improvement projects include \$40.6 million for site-specific projects, and \$30.8 million for Immediate Replacement and Diversion Projects. Projects are selected using a computerized sewer flow model (which uses the General Plan to project sewage flows in the system), City maintenance records, and flow monitoring to identify sewer capacity constraints.

This CIP allocates \$5.5 million within the North Interceptor System for the design of the Fourth Major Interceptor, Phase VIIA, with an additional \$15.0 million reserved for future construction. Though not programmed in this CIP, the total project cost for Phase VIIA is approximately \$50 million, and funding scenarios will be considered in a subsequent CIP. The North Interceptor System is a collection of very large sanitary sewer pipes with diameters ranging from 54 to 90 inches. In general, an interceptor is a large pipe serving as a primary sewage collector. Interceptors carry flows from the sub-collector sewers in the drainage basin to the point of treatment or disposal of the wastewater. Capital improvements to the interceptor system consist of large, interrelated projects that must be staged in a specified sequence for logical construction of the system.

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Presently, the City has three major sewer interceptors in the North Interceptor System that originate at the intersection of Seventh and Empire Streets and continue northward to the RWF, mostly along the full length of Zanker Road. A new, multi-phased fourth major interceptor is also under construction with six of seven phases completed. The construction of the Fourth Street 84-inch Interceptor, Phase VI, was completed in spring 2022. When all seven phases are completed, the fourth major interceptor will allow one of the three older interceptors to be removed from service during dry weather periods for the purpose of routine maintenance or rehabilitation. Such flexibility is important and currently not available in all reaches of the system.

Rehabilitation



A total of \$108.6 million is programmed for sewer rehabilitation and replacement in other areas of the City, mostly targeted toward older neighborhoods facing structural deterioration or changes in sewage flow patterns. Rehabilitation projects are selected based on hydrogen sulfide studies that analyze pipe corrosion, condition assessment studies, video inspections, maintenance records and reports, and actual pipe failures, whether due to pipe corrosion or other physical deficiencies. The City is also evaluating the incorporation of race and income data of neighborhoods served by deteriorating infrastructure as an additional factor, to the

fullest extent legally permissible, to ensure that rehabilitation projects are equitably provided to the community.

This funding also is used to support the Exfiltration Abatement Program, a program implemented across a variety of ongoing repair and rehabilitation projects to assess and prioritize possible exfiltration risks. This program facilitates the search and repair of damaged sewer mains in order to prevent leakage into adjacent storm sewer mains.

In addition, rehabilitation funding will be used to support the Sanitary Sewer Interceptor Management Program with an annual budget of \$3.0 million for the next five years, for a total of \$15.0 million. Condition assessments will be performed and will include removing accumulated debris, cleaning and evaluating of the interceptors, and then prioritizing the portions of pipe that may require rehabilitation and/or repair. The program will also include the evaluation of the City's soil bed filters that assist with removing odors and corrosive sewer gases from the interceptors.

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

OVERVIEW

PROGRAM HIGHLIGHTS

Other Project Highlights

The Master Planning Program actively monitors and manages sewer system capacity needs using a computerized hydraulic model of the San José sewer system, supported by sewer flow monitoring that collects flow data at strategic locations within the system. The Master Planning Program continues to enhance the accuracy of the computerized model by incorporating land use changes and updated sewer and flow data. The Master Planning Program also supports economic development in the City by providing sewer capacity review and planning using the models.

The Sanitary Sewer Condition Assessment Program, initiated in 2009, is an ongoing program to assess the structural integrity of the collection system including pipes, force mains, manholes, junction structures, and pump stations. Data collected through visual and closed-circuit television inspection and as-built information will be reviewed, analyzed, and prioritized based on a risk analysis approach using information such as pipe size, location, design flow, physical conditions, and maintenance histories. With this information, rehabilitation budgets and preventive maintenance and improvement programs can be planned and prioritized.

MAJOR CHANGES FROM THE 2023-2027 ADOPTED CIP

The overall size of the Sanitary Sewer System CIP has increased by \$23.3 million from \$231.3 million in the 2023-2027 Adopted CIP to \$254.6 million in the 2024-2028 Proposed CIP. The changes are primarily attributable to a number of new sewer improvement projects included in the Proposed CIP offset by 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) |
|---|--------------------|
| Chesbro Avenue Sanitary Sewer Improvement | \$9.6 million |
| Southwest Expressway Sanitary Sewer Improvement | \$9.0 million |
| South White Road Sanitary Sewer Improvement | \$3.0 million |
| Tisch Way Sanitary Sewer Improvement | \$1.8 million |

OPERATING BUDGET IMPACT

There are no additional maintenance and operating costs associated with the projects in the 2024-2028 Proposed CIP.

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Sanitary Sewer System
2024-2028 Proposed Capital Improvement Program
Source of Funds (Combined)

| | Estimated | | | | | | 5-Year Total* |
|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | | | | | |
| Beginning Balance | 71,216,700 | 64,801,998 | 27,729,898 | 6,658,898 | 8,113,898 | 10,385,898 | 64,801,998 |
| Reserve for Encumbrance | 7,831,935 | | | | | | |
| Transfers and Reimbursements | | | | | | | |
| Transfer from the Sewer Service and Use Charge Fund (541) | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 175,000,000 |
| TOTAL Transfers and Reimbursements | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 35,000,000 | 175,000,000 |
| Revenue from Use of Money and Property | | | | | | | |
| Interest Income | 1,375,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 7,000,000 |
| TOTAL Revenue from Use of Money and Property | 1,375,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 7,000,000 |
| Revenue from Local Agencies | | | | | | | |
| Sanitary Sewer Joint Participation- | 100,000 | 2,020,000 | 120,000 | 70,000 | 70,000 | 70,000 | 2,350,000 |
| TOTAL Revenue from Local Agencies | 100,000 | 2,020,000 | 120,000 | 70,000 | 70,000 | 70,000 | 2,350,000 |
| Total Sewer Service and Use Charge Capital Improvement Fund (545) | 115,523,635 | 103,221,998 | 64,249,898 | 43,128,898 | 44,583,898 | 46,855,898 | 249,151,998 |

* The 2024-2025 through 2027-2028 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System
2024-2028 Proposed Capital Improvement Program
Source of Funds (Combined)

| | Estimated | | | | | | 5-Year Total* |
|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | |
| Sanitary Sewer Connection Fee Fund (540) | | | | | | | |
| Beginning Balance | 2,858,967 | 2,101,910 | 1,274,010 | 751,010 | 262,010 | 293,010 | 2,101,910 |
| Reserve for Encumbrance | 19,968 | | | | | | |
| Revenue from Use of Money and Property | | | | | | | |
| Interest Income | 57,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 |
| TOTAL Revenue from Use of Money and Property | 57,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 |
| Revenue from Local Agencies | | | | | | | |
| Sanitary Sewer Joint Participation- | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 550,000 |
| TOTAL Revenue from Local Agencies | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 110,000 | 550,000 |
| Fees, Rates and Charges | | | | | | | |
| Sanitary Sewer Connection Fees | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 2,500,000 |
| TOTAL Fees, Rates and Charges | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 2,500,000 |
| Total Sanitary Sewer Connection Fee Fund (540) | 3,545,935 | 2,761,910 | 1,934,010 | 1,411,010 | 922,010 | 953,010 | 5,401,910 |
| TOTAL SOURCES | 119,069,570 | 105,983,909 | 66,183,909 | 44,539,909 | 45,505,909 | 47,808,909 | 254,553,909 |

* The 2024-2025 through 2027-2028 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System
2024-2028 Adopted Capital Improvement Program
 Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total* |
|--|------------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|
| Sanitary Sewer System | | | | | | | |
| 60 inch Brick Interceptor, Phase VIA and VIB | 1,332,003 | | | | | | |
| Blossom Hill Road and Leigh Avenue Sanitary Sewer Improvement | 508,000 | 4,200,000 | 300,000 | | | | 4,500,000 |
| Chesbro Avenue Sanitary Sewer Improvement | | 600,000 | 8,500,000 | 500,000 | | | 9,600,000 |
| Coleman Road Sanitary Sewer Improvement - Phase III | 300,000 | 2,100,000 | | | | | 2,100,000 |
| Fontaine Rd Sanitary Sewer Improvement | 300,000 | 1,200,000 | | | | | 1,200,000 |
| Fourth Major Interceptor, Phase VIIA | | 5,500,000 | | | | | 5,500,000 |
| Immediate Replacement and Diversion Projects | 7,849,264 | 4,350,000 | 6,600,000 | 6,600,000 | 6,600,000 | 6,600,000 | 30,750,000 |
| McLaughlin Ave-24th Street Sanitary Sewer Improvement | 50,000 | 100,000 | 1,890,000 | 200,000 | | | 2,190,000 |
| McLaughlin Ave-Idlewood Dr Sanitary Sewer Improvement | 150,000 | 3,500,000 | 100,000 | | | | 3,600,000 |
| South White Road Sanitary Sewer Improvement | | 200,000 | 2,800,000 | | | | 3,000,000 |
| Southwest Expressway Sanitary Sewer Improvement | | 500,000 | 8,000,000 | 500,000 | | | 9,000,000 |
| Westmont Avenue and Harriet Avenue Sanitary Sewer Improvements | 309,227 | | | | | | |
| Capacity Improvement Projects | 10,798,493 | 22,250,000 | 28,190,000 | 7,800,000 | 6,600,000 | 6,600,000 | 71,440,000 |
| Almaden Supplement Sewer Rehabilitation (North) | | 3,108,000 | 22,000 | | | | 3,130,000 |
| Cast Iron Pipe - Remove and Replace | 7,149,299 | 4,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 24,000,000 |
| Condition Assessment Sewer Repairs | 7,876,312 | 5,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 29,000,000 |

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

Sanitary Sewer System
2024-2028 Adopted Capital Improvement Program
 Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total* |
|--|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| Inflow and Infiltration Reduction | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 1,000,000 |
| North 1st Street Sanitary Sewer Improvements | 1,000,000 | 5,000,000 | 1,000,000 | | | | 6,000,000 |
| Rehabilitation of Sanitary Sewer Pump Stations | 18,508 | 1,679,000 | | | | | 1,679,000 |
| Reinforced Concrete Pipe Rehabilitation Program | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 2,500,000 |
| Sanitary Sewer Interceptor Management Program | | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 15,000,000 |
| Tisch Way Sanitary Sewer Improvement | | 1,700,000 | 100,000 | | | | 1,800,000 |
| Urgent Rehabilitation and Repair Projects | 11,492,338 | 4,500,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 24,500,000 |
| Rehabilitation Projects | 28,236,456 | 28,687,000 | 20,822,000 | 19,700,000 | 19,700,000 | 19,700,000 | 108,609,000 |
| Sanitary Sewer - Construction | 39,034,950 | 50,937,000 | 49,012,000 | 27,500,000 | 26,300,000 | 26,300,000 | 180,049,000 |
| City of Sunnyvale Sanitary Sewer Settlement | 800,000 | | | | | | |
| Fee Administration - Sanitary Sewer | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 425,000 |
| Flow Monitoring Program (Master Planning) | 691,008 | 660,000 | 663,000 | 666,000 | 668,000 | 671,000 | 3,328,000 |
| Infrastructure - Sanitary Sewer Condition Assessment | 4,501,764 | 2,200,000 | 3,200,000 | 3,200,000 | 3,200,000 | 3,200,000 | 15,000,000 |
| Master Planning Updates | 1,927,683 | 1,814,000 | 1,849,000 | 1,884,000 | 1,920,000 | 1,957,488 | 9,424,488 |
| Payments to West Valley Sanitation District | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 |
| Permit Review and Inspection for Outside Agencies - Sanitary Sewer | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 125,000 |
| Preliminary Engineering - Sanitary Sewer | 950,000 | 950,000 | 950,000 | 950,000 | 950,000 | 950,000 | 4,750,000 |
| Program Management - Sanitary Sewer | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 |
| Public Works Engineering Services Equipment (Materials Lab) | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 200,000 |

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

Sanitary Sewer System
2024-2028 Adopted Capital Improvement Program
 Use of Funds (Combined)

| | Estimated 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 5-Year Total* |
|--|------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Pump Station SCADA Upgrade - Sanitary Sewer | 300,000 | 100,000 | 100,000 | | | | 200,000 |
| General Non-Construction - Sanitary Sewer | 9,630,455 | 6,184,000 | 7,222,000 | 7,160,000 | 7,198,000 | 7,238,488 | 35,002,488 |
| Sanitary Sewer - Non Construction | 9,630,455 | 6,184,000 | 7,222,000 | 7,160,000 | 7,198,000 | 7,238,488 | 35,002,488 |
| Public Art Allocation | 781,498 | 113,000 | 246,000 | 77,000 | 65,000 | 65,000 | 566,000 |
| Public Art Projects | 781,498 | 113,000 | 246,000 | 77,000 | 65,000 | 65,000 | 566,000 |
| Capital Program and Public Works Department Support Service Costs | 2,422,000 | 2,029,000 | 1,969,000 | 1,100,000 | 935,000 | 935,000 | 6,968,000 |
| Infrastructure Management System | 58,000 | 55,000 | 57,000 | 59,000 | 61,000 | 63,000 | 295,000 |
| Allocations | 2,480,000 | 2,084,000 | 2,026,000 | 1,159,000 | 996,000 | 998,000 | 7,263,000 |
| City Hall Debt Service Fund | 201,162 | 262,000 | 268,000 | 268,000 | 268,000 | 268,000 | 1,334,000 |
| Transfers to Special Funds | 201,162 | 262,000 | 268,000 | 268,000 | 268,000 | 268,000 | 1,334,000 |
| Transfer to the General Fund | 37,596 | | | | | | |
| Transfers to the General Fund | 37,596 | | | | | | |
| Transfers Expense | 238,758 | 262,000 | 268,000 | 268,000 | 268,000 | 268,000 | 1,334,000 |
| Montague Sanitary Sewer Pump Station Reserve | | 2,400,000 | | | | | 2,400,000 |
| Fourth Major Interceptor Phase VII Reserve | | 15,000,000 | | | | | 15,000,000 |
| Expense Reserves - Non Construction | | 17,400,000 | | | | | 17,400,000 |
| Total Expenditures | 52,165,661 | 76,980,000 | 58,774,000 | 36,164,000 | 34,827,000 | 34,869,488 | 241,614,488 |
| Ending Fund Balance | 66,903,909 | 29,003,909 | 7,409,909 | 8,375,909 | 10,678,909 | 12,939,421 | 12,939,421 |
| TOTAL | 119,069,570 | 105,983,909 | 66,183,909 | 44,539,909 | 45,505,909 | 47,808,909 | 254,553,909 |

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

Sanitary Sewer System
2024-2028 Proposed Capital Improvement Program
Detail of One-Time Projects

Almaden Supplement Sewer Rehabilitation (North)

| | | | |
|--------------------------|--|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2020 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2022 |
| Location | East Alma Avenue between Monterey Highway and South 9th Street | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | 3rd Qtr. 2024 |
| Council Districts | 7 | Initial Project Budget | \$3,130,000 |
| Appropriation | A420V | FY Initiated | 2020-2021 |

Description This project will rehabilitate approximately 3,690 feet of 42-inch and 48-inch diameter reinforced concrete pipe located on East Alma Avenue between Monterey Highway and South 9th Street with a Cured-In-Place-Pipe (CIPP) liner.

Justification This project is required to restore structural integrity and extend the service life of the system.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|-----------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 1 | | | | | | | | | 1 |
| Design | 48 | | 282 | | | | | 282 | | 330 |
| Construction | | | 2,826 | | | | | 2,826 | | 2,826 |
| Post Construction | | | | 22 | | | | 22 | | 22 |
| Total | 48 | | 3,108 | 22 | | | | 3,130 | | 3,178 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|-----------|--|--------------|-----------|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 48 | | 3,108 | 22 | | | | 3,130 | | 3,178 |
| Total | 48 | | 3,108 | 22 | | | | 3,130 | | 3,178 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Blossom Hill Road and Leigh Avenue Sanitary Sewer Improvement

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2021 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2024 |
| Location | Willow Drive and Chevalier Drive to Little Branham Lane and Aspen Court | Revised Start Date | 2nd Qtr. 2021 |
| Dept Owner | Public Works | Revised End Date | 4th Qtr. 2024 |
| Council Districts | 9 | Initial Project Budget | \$5,400,000 |
| Appropriation | A420W | FY Initiated | 2020-2021 |

Description This project will install approximately 1,900 linear feet of new 10-inch diameter sanitary sewer along Blossom Hill Road and Leigh Avenue and upsize approximately 4,300 linear feet of 8-inch to 12-inch diameter sanitary sewer along Leigh Avenue to reroute sewage flow to another system.

Justification This project is required to relieve the deficiency in 8-inch diameter pipe on various streets from the intersection of Willow Drive and Chevalier Drive to the intersection of Little Branham Lane and Aspen Court.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|------------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Project Feasibility Development | 170 | | | | | | | | | 170 |
| Design | 23 | 315 | | | | | | | | 338 |
| Bid & Award | | 7 | | | | | | | | 7 |
| Construction | | 186 | 4,200 | 285 | | | | 4,485 | | 4,671 |
| Post Construction | | | | 15 | | | | 15 | | 15 |
| Total | 192 | 508 | 4,200 | 300 | | | | 4,500 | | 5,200 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|---|----------------|-------------|--------------|------------|------|------|------|-----------------|-------------------|------------------|
| Funding Source Schedule (000s) | | | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 192 | 508 | 4,000 | 300 | | | | 4,300 | | 5,000 |
| Sanitary Sewer Connection Fee Fund (540) | | | 200 | | | | | 200 | | 200 |
| Total | 192 | 508 | 4,200 | 300 | | | | 4,500 | | 5,200 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System
2024-2028 Proposed Capital Improvement Program
Detail of One-Time Projects

Chesbro Avenue Sanitary Sewer Improvement

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2023 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2026 |
| Location | Chesbro Avenue from Los Huecos Drive to Blossom Hill Road | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 10 | Initial Project Budget | \$9,600,000 |
| Appropriation | TEMP_979 | FY Initiated | 2023-2024 |

Description This project will upsize approximately 5,230 linear feet of 18-inch diameter sanitary sewer main to 21 to 30-inch diameter.

Justification This project is required to provide more capacity to meet existing and future demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | | 600 | 500 | | | | 1,100 | | 1,100 |
| Construction | | | | 8,000 | 500 | | | 8,500 | | 8,500 |
| Total | | | 600 | 8,500 | 500 | | | 9,600 | | 9,600 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--|------------|--------------|------------|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | 600 | 8,318 | 500 | | | 9,418 | | 9,418 |
| Sanitary Sewer Connection Fee Fund (540) | | | | 182 | | | | 182 | | 182 |
| Total | | | 600 | 8,500 | 500 | | | 9,600 | | 9,600 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Coleman Road Sanitary Sewer Improvement - Phase III

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2024 |
| Location | Coleman Road between Alvarado Court and Sentinel Street | Revised Start Date | |
| Dept Owner | Public Woks | Revised End Date | |
| Council Districts | 10 | Initial Project Budget | \$2,400,000 |
| Appropriation | A429U | FY Initiated | 2022-2023 |

Description This project will upsize 3,060 linear feet of existing 8-inch diameter sanitary sewer main to 12-inch diameter.

Justification This project is required to provide more capacity to meet existing demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | 300 | | | | | | | | 300 |
| Construction | | | 2,100 | | | | | 2,100 | | 2,100 |
| Total | | 300 | 2,100 | | | | | 2,100 | | 2,400 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|------------|--------------|--|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 300 | 2,092 | | | | | 2,092 | | 2,392 |
| Sanitary Sewer Connection Fee Fund (540) | | | 8 | | | | | 8 | | 8 |
| Total | | 300 | 2,100 | | | | | 2,100 | | 2,400 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Fontaine Rd Sanitary Sewer Improvement

| | | | |
|--------------------------|--|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2024 |
| Location | Fontaine Road between Tully Road and Flannigan Drive | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 7 | Initial Project Budget | \$1,500,000 |
| Appropriation | A429V | FY Initiated | 2022-2023 |

Description This project will remove and replace approximately 1,370 linear feet of 10-inch diameter sanitary sewer main and will divert upstream flow to this system.

Justification This project is required to provide more capacity by diverting upstream flow to meet existing demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | 300 | | | | | | | | 300 |
| Construction | | | 1,200 | | | | | 1,200 | | 1,200 |
| Total | | 300 | 1,200 | | | | | 1,200 | | 1,500 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|------------|--------------|--|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 300 | 1,193 | | | | | 1,193 | | 1,493 |
| Sanitary Sewer Connection Fee Fund (540) | | | 7 | | | | | 7 | | 7 |
| Total | | 300 | 1,200 | | | | | 1,200 | | 1,500 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Fourth Major Interceptor, Phase VIIA

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2018 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2020 |
| Location | North 5th Street/Commercial Street and North 7th Street/Empire Street | Revised Start Date | 3rd Qtr. 2023 |
| Dept Owner | Public Works | Revised End Date | 2nd Qtr. 2024 |
| Council Districts | 3 | Initial Project Budget | \$5,500,000 |
| Appropriation | A410E | FY Initiated | 2013-2014 |

Description This project manages and completes the design of the Fourth Major Interceptor, Phase VIIA. After design, this project will install approximately 7,200 linear feet of 66-inch reinforced concrete pipe. Completion of the Phase VIIA project will conclude capacity improvements for the Fourth Major Interceptor system between the intersections of North 5th Street and Commercial Street, and North 7th Street and Empire Street.

Justification The Fourth Major Interceptor is required for capacity, in addition to maintenance redundancy for the other three existing interceptors.

Notes Current funding amount is 2023-2024 is for design only. A total of \$15.0 million is included in the Fourth Major Interceptor Phase VII Reserve to build-up funding for the construction of this project that is estimated to be \$50.0 million.

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|----------|--------------|------|------|------|------|--------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | | 5,500 | | | | | 5,500 | | 5,500 |
| Construction | | | | | | | | | | |
| Total | | | 5,500 | | | | | 5,500 | | 5,500 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--|--------------|--|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | 5,500 | | | | | 5,500 | | 5,500 |
| Total | | | 5,500 | | | | | 5,500 | | 5,500 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

McLaughlin Ave-24th Street Sanitary Sewer Improvement

| | | | |
|--------------------------|--|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2024 |
| Location | McLaughlin Avenue/24th Street between Appian Lane and San Antonio Street | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | 3rd Qtr. 2025 |
| Council Districts | 3 | Initial Project Budget | \$2,400,000 |
| Appropriation | A429W | FY Initiated | 2022-2023 |

Description This project will upsize approximately 2,170 linear feet of 15-inch diameter sanitary sewer main to 18-inch diameter.

Justification This project is required to provide more capacity to meet existing and future demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | 50 | 100 | | | | | 100 | | 150 |
| Bid & Award | | | | 25 | | | | 25 | | 25 |
| Construction | | | | 1,865 | 150 | | | 2,015 | | 2,015 |
| Post Construction | | | | | 50 | | | 50 | | 50 |
| Total | | 50 | 100 | 1,890 | 200 | | | 2,190 | | 2,240 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|---|----------------|-------------|------------|--------------|------------|------|------|-----------------|-------------------|------------------|
| Funding Source Schedule (000s) | | | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 50 | 100 | 1,875 | 180 | | | 2,155 | | 2,205 |
| Sanitary Sewer Connection Fee Fund (540) | | | | 15 | 20 | | | 35 | | 35 |
| Total | | 50 | 100 | 1,890 | 200 | | | 2,190 | | 2,240 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|--|----------------|-------------|------|------|------|------|------|-----------------|-------------------|------------------|
| Annual Operating Budget Impact (000s) | | | | | | | | | | |
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

McLaughlin Ave-Idlewood Dr Sanitary Sewer Improvement

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2025 |
| Location | McLaughlin Avenue between Idlewood Drive and Tully Road | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 7 | Initial Project Budget | \$3,700,000 |
| Appropriation | A429X | FY Initiated | 2022-2023 |

Description This project will upsize approximately 1,700 linear feet of 12-inch diameter sanitary sewer main to 15-inch diameter.

Justification This project is required to provide more capacity to meet existing and future demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|--------------|------------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | 150 | 250 | | | | | 250 | | 400 |
| Bid & Award | | | 25 | | | | | 25 | | 25 |
| Construction | | | 3,225 | 100 | | | | 3,325 | | 3,325 |
| Total | | 150 | 3,500 | 100 | | | | 3,600 | | 3,750 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|------------|--------------|------------|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 150 | 3,140 | 100 | | | | 3,240 | | 3,390 |
| Sanitary Sewer Connection Fee Fund (540) | | | 360 | | | | | 360 | | 360 |
| Total | | 150 | 3,500 | 100 | | | | 3,600 | | 3,750 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

North 1st Street Sanitary Sewer Improvements

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 3rd Qtr. 2024 |
| Location | North 1st Street from Trimble Road to Montague Expressway | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 4 | Initial Project Budget | \$7,000,000 |
| Appropriation | A429Y | FY Initiated | 2022-2023 |

Description This project will rehabilitate, remove and replace approximately 4,406 linear feet of 27-inch diameter sanitary sewer main using trenchless and open cut methods of installation. The project will also remove a bulkhead at the upstream manhole to divert flow into the 27-inch sanitary sewer system.

Justification This project is required to rehabilitate and replace corroded sanitary sewer system and extend the service life of the system. Likewise, diverting flow into the 27-inch system will provide more capacity to an existing 15-inch parallel system.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|--------------|--------------|--------------|------|------|------|--------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | 1,000 | 1,000 | | | | | 1,000 | | 2,000 |
| Construction | | | 4,000 | 1,000 | | | | 5,000 | | 5,000 |
| Total | | 1,000 | 5,000 | 1,000 | | | | 6,000 | | 7,000 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--------------|--------------|--------------|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 1,000 | 5,000 | 1,000 | | | | 6,000 | | 7,000 |
| Total | | 1,000 | 5,000 | 1,000 | | | | 6,000 | | 7,000 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Pump Station SCADA Upgrade - Sanitary Sewer

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2022 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2027 |
| Location | City-wide | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | City-wide | Initial Project Budget | \$500,000 |
| Appropriation | A429Z | FY Initiated | 2022-2023 |

Description This project will upgrade the Supervisory Control and Data Acquisition (SCADA) systems at the City's sanitary sewer pump stations.

Justification The SCADA upgrade is necessary to reduce or eliminate both physical and cyber vulnerabilities. Upgrading to a modern SCADA system will allow the City to take advantage of the new security capabilities and ensure the sanitary pump stations are protected from attacks.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|------------|------------|------------|------|------|------|--------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Construction | | 200 | | | | | | | | 200 |
| Maintenance, Repairs, Other | | 100 | 100 | 100 | | | | 200 | | 300 |
| Total | | 300 | 100 | 100 | | | | 200 | | 500 |

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|---|-------------|------------|------------|------------|------|------|------|--------------|----------------|---------------|
| Funding Source Schedule (000s) | | | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | | 300 | 100 | 100 | | | | 200 | | 500 |
| Total | | 300 | 100 | 100 | | | | 200 | | 500 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

South White Road Sanitary Sewer Improvement

| | | | |
|--------------------------|---|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2023 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2025 |
| Location | South White Road between Keaton Loop and Westgrove Lane | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 8 | Initial Project Budget | \$3,000,000 |
| Appropriation | TEMP_976 | FY Initiated | 2023-2024 |

Description This project will upsize approximately 1,450 linear feet of 12-inch diameter sanitary sewer main to 15-inch diameter.

Justification This project is required to provide more capacity to meet existing and future demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|----------------|-------------|------------|--------------|------|------|------|-----------------|-------------------|------------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | | 200 | 150 | | | | 350 | | 350 |
| Bid & Award | | | | 2,350 | | | | 2,350 | | 2,350 |
| Construction | | | | 300 | | | | 300 | | 300 |
| Total | | | 200 | 2,800 | | | | 3,000 | | 3,000 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--|------------|--------------|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | 200 | 2,500 | | | | 2,700 | | 2,700 |
| Sanitary Sewer Connection Fee Fund (540) | | | | 300 | | | | 300 | | 300 |
| Total | | | 200 | 2,800 | | | | 3,000 | | 3,000 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Southwest Expressway Sanitary Sewer Improvement

| | | | |
|--------------------------|--|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2023 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2026 |
| Location | Southwest Expressway from Stokes Street to Fruitdale Avenue; Fruitdale Avenue from Southwest Expressway to Meridian Avenue | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 6 | Initial Project Budget | \$9,000,000 |
| Appropriation | TFMP 977 | FY Initiated | 2023-2024 |

Description This project will upsize approximately 4,790 linear feet of 8-inch diameter sanitary sewer main to 10 to 15-inch diameter.

Justification This project is required to provide more capacity to meet existing and future demand.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|----------|------------|--------------|------------|------|------|--------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | | 500 | 500 | | | | 1,000 | | 1,000 |
| Bid & Award | | | | 30 | | | | 30 | | 30 |
| Construction | | | | 7,470 | 500 | | | 7,970 | | 7,970 |
| Total | | | 500 | 8,000 | 500 | | | 9,000 | | 9,000 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--|------------|--------------|------------|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | 500 | 8,000 | | | | 8,500 | | 8,500 |
| Sanitary Sewer Connection Fee Fund (540) | | | | | 500 | | | 500 | | 500 |
| Total | | | 500 | 8,000 | 500 | | | 9,000 | | 9,000 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of One-Time Projects

Tisch Way Sanitary Sewer Improvement

| | | | |
|--------------------------|------------------------------------|-------------------------------|---------------|
| CSA | Environmental and Utility Services | Initial Start Date | 3rd Qtr. 2023 |
| CSA Outcome | Reliable Utility Infrastructure | Initial End Date | 2nd Qtr. 2025 |
| Location | Tisch Way at Highway 280 | Revised Start Date | |
| Dept Owner | Public Works | Revised End Date | |
| Council Districts | 1 | Initial Project Budget | \$1,800,000 |
| Appropriation | TEMP_978 | FY Initiated | 2023-2024 |

Description This project will install new sanitary sewer main in a new alignment to redirect sewer flows of an existing sanitary sewer siphon crossing under Highway 280.

Justification This project is required to improve flow characteristic of the sanitary sewer system in the area to prevent risk of sanitary sewer overflows.

Notes

Major Cost Changes

| | PRIOR YEARS | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 YEAR TOTAL | BEYOND 5 YEARS | PROJECT TOTAL |
|------------------------------------|-------------|----------|--------------|------------|------|------|------|--------------|----------------|---------------|
| Expenditure Schedule (000s) | | | | | | | | | | |
| Design | | | 250 | | | | | 250 | | 250 |
| Construction | | | 1,450 | 100 | | | | 1,550 | | 1,550 |
| Total | | | 1,700 | 100 | | | | 1,800 | | 1,800 |

| Funding Source Schedule (000s) | | | | | | | | | | |
|---|--|--|--------------|------------|--|--|--|--------------|--|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | | | 1,700 | 100 | | | | 1,800 | | 1,800 |
| Total | | | 1,700 | 100 | | | | 1,800 | | 1,800 |

| Annual Operating Budget Impact (000s) | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Total | | | | | | | | | | |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Cast Iron Pipe - Remove and Replace

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A7472 |
| Description | This project removes and replaces cast iron sewer pipes city-wide that are aging or corroded. It is estimated that between 38,000 to 40,000 feet of cast iron pipe will be replaced over the next five years. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 250 |
| Design | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Bid & Award | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 100 |
| Construction | 6,879 | 6,879 | 3,730 | 4,730 | 4,730 | 4,730 | 4,730 | 22,650 |
| Total | 7,149 | 7,149 | 4,000 | 5,000 | 5,000 | 5,000 | 5,000 | 24,000 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 7,149 | 7,149 | 4,000 | 5,000 | 5,000 | 5,000 | 5,000 | 24,000 |
| Total | 7,149 | 7,149 | 4,000 | 5,000 | 5,000 | 5,000 | 5,000 | 24,000 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Condition Assessment Sewer Repairs

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A7356 |
| Description | This allocation funds the identification and repair of damaged pipes in the sanitary sewer system, and includes multiple projects each year as they are identified. Areas in which a sanitary sewer overflow would have high consequences will be the focus of these identify-and-repair contracts. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 20 |
| Design | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Bid & Award | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |
| Construction | 7,662 | 7,662 | 4,786 | 5,786 | 5,786 | 5,786 | 5,786 | 27,930 |
| Total | 7,876 | 7,876 | 5,000 | 6,000 | 6,000 | 6,000 | 6,000 | 29,000 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 7,876 | 7,876 | 5,000 | 6,000 | 6,000 | 6,000 | 6,000 | 29,000 |
| Total | 7,876 | 7,876 | 5,000 | 6,000 | 6,000 | 6,000 | 6,000 | 29,000 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Fee Administration - Sanitary Sewer

| | | | |
|-------------------------|--|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | N/A |
| Department Owner | Public Works | Appropriation | A5241 |
| Description | This allocation provides funding for the Public Works Development Program to collect Sanitary Sewer Connection Fees. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|--|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 425 |
| Total | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 425 |
| Funding Source Schedule (000s) | | | | | | | | |
| Sanitary Sewer Connection Fee Fund (540) | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 425 |
| Total | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 425 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Flow Monitoring Program (Master Planning)

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A4696 |
| Description | This allocation funds a city-wide sanitary sewer master planning effort to identify capacity improvement needs and provides for future updates, flow analysis, and condition assessments. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 691 | 691 | 660 | 663 | 666 | 668 | 671 | 3,328 |
| Total | 691 | 691 | 660 | 663 | 666 | 668 | 671 | 3,328 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 578 | 578 | 560 | 563 | 566 | 568 | 571 | 2,828 |
| Sanitary Sewer Connection Fee Fund (540) | 113 | 113 | 100 | 100 | 100 | 100 | 100 | 500 |
| Total | 691 | 691 | 660 | 663 | 666 | 668 | 671 | 3,328 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Immediate Replacement and Diversion Projects

| | | | |
|-------------------------|---------------------------------|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A4272 |

Description This allocation funds immediate needs that arise from Department of Transportation (DOT) maintenance and response activities. DOT identifies areas that require immediate sewer replacement as part of their maintenance activities and in response to sanitary sewer overflows. If replacement of the sewer is not feasible or cost effective, sewage may be rerouted (diverted) by installing a new or supplemental sewer along a different route. If these needs are not addressed in a timely manner, additional operations and maintenance costs will be incurred, and an increased possibility of sanitary sewer overflows will result.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 175 |
| Design | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 |
| Bid & Award | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 100 |
| Construction | 7,294 | 7,294 | 3,795 | 6,045 | 6,045 | 6,045 | 6,045 | 27,975 |
| Post Construction | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 500 |
| Total | 7,849 | 7,849 | 4,350 | 6,600 | 6,600 | 6,600 | 6,600 | 30,750 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 7,849 | 7,849 | 4,000 | 6,500 | 6,500 | 6,500 | 6,500 | 30,000 |
| Sanitary Sewer Connection Fee Fund (540) | 0 | 0 | 350 | 100 | 100 | 100 | 100 | 750 |
| Total | 7,849 | 7,849 | 4,350 | 6,600 | 6,600 | 6,600 | 6,600 | 30,750 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Inflow and Infiltration Reduction

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A6444 |
| Description | This allocation funds the rehabilitation of sanitary sewers and manholes that have groundwater or storm water penetration. The Flow Monitoring Program and maintenance reports from the Department of Transportation identify sewers ranging from 6 inches to 36 inches in diameter in various locations throughout the City that require rehabilitation. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Construction | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Total | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Total | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Infrastructure - Sanitary Sewer Condition Assessment

| | | | |
|-------------------------|--|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A6521 |
| Description | This allocation funds an ongoing condition assessment program to inspect and evaluate the condition of the existing pipelines and identify the needs for pipeline rehabilitation and/or replacement. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 4,502 | 4,502 | 2,200 | 3,200 | 3,200 | 3,200 | 3,200 | 15,000 |
| Total | 4,502 | 4,502 | 2,200 | 3,200 | 3,200 | 3,200 | 3,200 | 15,000 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 4,502 | 4,502 | 2,200 | 3,200 | 3,200 | 3,200 | 3,200 | 15,000 |
| Total | 4,502 | 4,502 | 2,200 | 3,200 | 3,200 | 3,200 | 3,200 | 15,000 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Master Planning Updates

| | | | |
|-------------------------|--|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A7242 |
| Description | This allocation funds the updates to the sewer system database and computer models based on land use development, sewer system improvements, survey and field investigations, and record research. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 1,928 | 1,928 | 1,814 | 1,849 | 1,884 | 1,920 | 1,957 | 9,424 |
| Total | 1,928 | 1,928 | 1,814 | 1,849 | 1,884 | 1,920 | 1,957 | 9,424 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 1,728 | 1,728 | 1,614 | 1,649 | 1,684 | 1,720 | 1,757 | 8,424 |
| Sanitary Sewer Connection Fee Fund (540) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 |
| Total | 1,928 | 1,928 | 1,814 | 1,849 | 1,884 | 1,920 | 1,957 | 9,424 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Payments to West Valley Sanitation District

| | | | |
|-------------------------|--|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | N/A |
| Department Owner | Public Works | Appropriation | A4230 |
| Description | This allocation reimburses the West Valley Sanitation District for the City's share of potential joint sanitary sewer projects within the District's jurisdiction. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |
| Total | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|--|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sanitary Sewer Connection Fee Fund (540) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |
| Total | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Permit Review and Inspection for Outside Agencies - Sanitary Sewer

| | | | |
|-------------------------|--|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A5149 |
| Description | This allocation provides for the review and inspection of projects for Valley Water by City staff. As is customary practice between public agencies, as well as State law, the City and Valley Water do not charge one another for these services. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 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 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |
| Total | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 125 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Preliminary Engineering - Sanitary Sewer

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A4284 |
| Description | This allocation supports preliminary engineering, including surveys and evaluations, that evaluates the potential effects of projects not yet funded in this program. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 4,750 |
| Total | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 4,750 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 4,500 |
| Sanitary Sewer Connection Fee Fund (540) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 250 |
| Total | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 4,750 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Program Management - Sanitary Sewer

| | | | |
|-------------------------|--|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A4286 |
| Description | This allocation funds the administration and management of this Capital Improvement Program. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| General Administration | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 |
| Total | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 |
| Sanitary Sewer Connection Fee Fund (540) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 250 |
| Total | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Public Works Engineering Services Equipment (Materials Lab)

| | | | |
|-------------------------|--|--------------------------|-------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | N/A |
| Department Owner | Public Works | Appropriation | A4135 |
| Description | This ongoing allocation funds the purchase of equipment necessary to perform quality assurance testing on materials used in sewer rehabilitation projects. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Equipment, Materials and Supplies | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 200 |
| Total | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 200 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 200 |
| Total | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 200 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Rehabilitation of Sanitary Sewer Pump Stations

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A6527 |
| Description | <p>This allocation is used to assess, rehabilitate, and/or replace the mechanical and electrical components of the City's sanitary sewer pump stations and manhole structures. At the start of this project, the average age of the City's sanitary sewer pump stations was approximately 30 years. Electrical and mechanical components should be rehabilitated or replaced at a minimum every 25 years. While this is an ongoing project, funding will be allocated as rehabilitation needs are identified.</p> | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|--------------|------|------|------|------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Property & Land | 9 | 9 | | | | | | |
| Design | 3 | 3 | | | | | | |
| Bid & Award | 516 | 5 | 511 | | | | | 511 |
| Construction | 1,153 | 2 | 1,152 | | | | | 1,152 |
| Post Construction | 16 | | 16 | | | | | 16 |
| Total | 1,698 | 19 | 1,679 | | | | | 1,679 |

| Funding Source Schedule (000s) | | | | | | | | |
|---------------------------------------|--------------|-----------|--------------|--|--|--|--|--------------|
| Sewer Service and Use Charge | | | | | | | | |
| Capital Improvement Fund (545) | 1,698 | 19 | 1,679 | | | | | 1,679 |
| Total | 1,698 | 19 | 1,679 | | | | | 1,679 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Reinforced Concrete Pipe Rehabilitation Program

| | | | |
|-------------------------|---------------------------------|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A7361 |

Description This allocation is used to investigate the structural condition of approximately 70,000 feet of reinforced concrete pipe (RCP) and rehabilitate as necessary. Due to the wide range of lengths, diameters, and locations of RCP throughout the City's sanitary sewer system, projects which may contain multiple construction locations will be developed. This allocation provides the flexibility to develop and construct projects which group locations, pipe lengths, and diameters in a cost effective manner.

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 175 |
| Design | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 700 |
| Bid & Award | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| Construction | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 1,600 |
| Total | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|---|----------------|-------------|------------|------------|------------|------------|------------|-----------------|
| Funding Source Schedule (000s) | | | | | | | | |
| Sewer Service and Use Charge Capital Improvement Fund (545) | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 |
| Total | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Sanitary Sewer Interceptor Management Program

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A426B |
| Description | This allocation will fund a condition assessment program to inspect and evaluate the condition of the existing sanitary sewer interceptors and soil filter beds, and rehabilitate and/or replace those identified with upgrade needs. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|-------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Project Feasibility Development | 200 | | 100 | 100 | 100 | 100 | 100 | 500 |
| Design | 360 | | 180 | 180 | 180 | 180 | 180 | 900 |
| Bid & Award | 40 | | 20 | 20 | 20 | 20 | 20 | 100 |
| Construction | 5,400 | | 2,700 | 2,700 | 2,700 | 2,700 | 2,700 | 13,500 |
| Total | 6,000 | | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|--------------|--|--------------|--------------|--------------|--------------|--------------|---------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 6,000 | | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |
| Total | 6,000 | | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |

Sanitary Sewer System

2024-2028 Proposed Capital Improvement Program

Detail of Ongoing Projects

Urgent Rehabilitation and Repair Projects

| | | | |
|-------------------------|---|--------------------------|-----------|
| CSA Outcome | Reliable Utility Infrastructure | Council Districts | City-wide |
| Department Owner | Public Works | Appropriation | A4271 |
| Description | This ongoing allocation is used to investigate, prioritize, and rehabilitate neighborhood sewers that exhibit structural deterioration, root intrusion, and/or blockages. The projects will be developed to respond to the Department of Transportation's ongoing maintenance activities and sewer overflow incidents that are urgent and cannot be programmed during the annual CIP preparation process. | | |

| | FY23 Budget | FY23 EST | FY24 | FY25 | FY26 | FY27 | FY28 | 5 Year Total |
|------------------------------------|----------------|---------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Expenditure Schedule (000s) | | | | | | | | |
| Design | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 |
| Bid & Award | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 200 |
| Construction | 10,942 | 10,942 | 3,950 | 4,450 | 4,450 | 4,450 | 4,450 | 21,750 |
| Post Construction | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 |
| Total | 11,492 | 11,492 | 4,500 | 5,000 | 5,000 | 5,000 | 5,000 | 24,500 |

| Funding Source Schedule (000s) | | | | | | | | |
|---|---------------|---------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Sewer Service and Use Charge Capital Improvement Fund (545) | 11,492 | 11,492 | 4,500 | 5,000 | 5,000 | 5,000 | 5,000 | 24,500 |
| Total | 11,492 | 11,492 | 4,500 | 5,000 | 5,000 | 5,000 | 5,000 | 24,500 |

Sanitary Sewer System
2024-2028 Proposed Capital Improvement Program
Summary of Reserves

Project Name Fourth Major Interceptor Phase VII Reserve

5-Yr CIP Budget \$ 15,000,000

Total Budget \$ 15,000,000

Council Districts 3

Description This project will install approximately 7,200 linear feet of 66-inch reinforced concrete pipe. Completion of the Phase VIIA project will conclude capacity improvements for the Fourth Major Interceptor system between the intersections of North 5th Street and Commercial Street, and North 7th Street and Empire Street. This project is listed as a reserve in order to build-up \$50 million for the construction of Phase VIIA.

Project Name Montague Sanitary Sewer Pump Station Reserve

5-Yr CIP Budget \$ 2,400,000

Total Budget \$ 2,400,000

Council Districts 4

Description This reserve sets aside funding to rehabilitate and/or upgrade the pump station located on First Street and Montague Expressway. Due to real estate-related uncertainties, construction is currently delayed.
