

# 2016-2017 CAPITAL BUDGET

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# 2017-2021 CAPITAL IMPROVEMENT PROGRAM

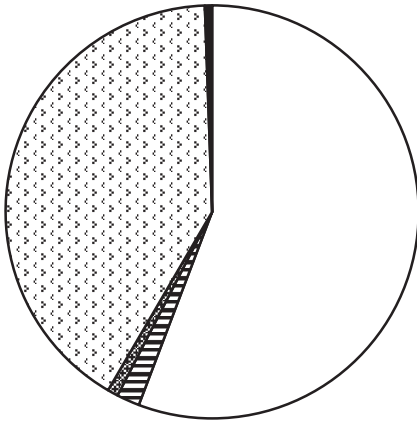
SANITARY  
SEWER SYSTEM

# SANITARY SEWER SYSTEM

## 2017-2021 Capital Improvement Program

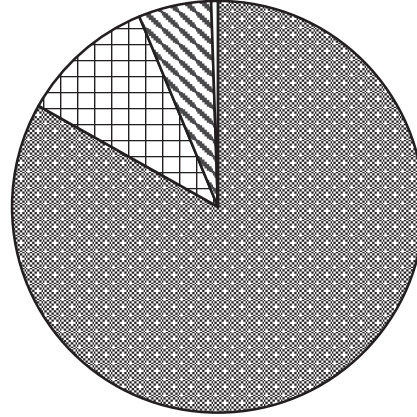
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**2016-2017 Proposed  
Source of Funds**



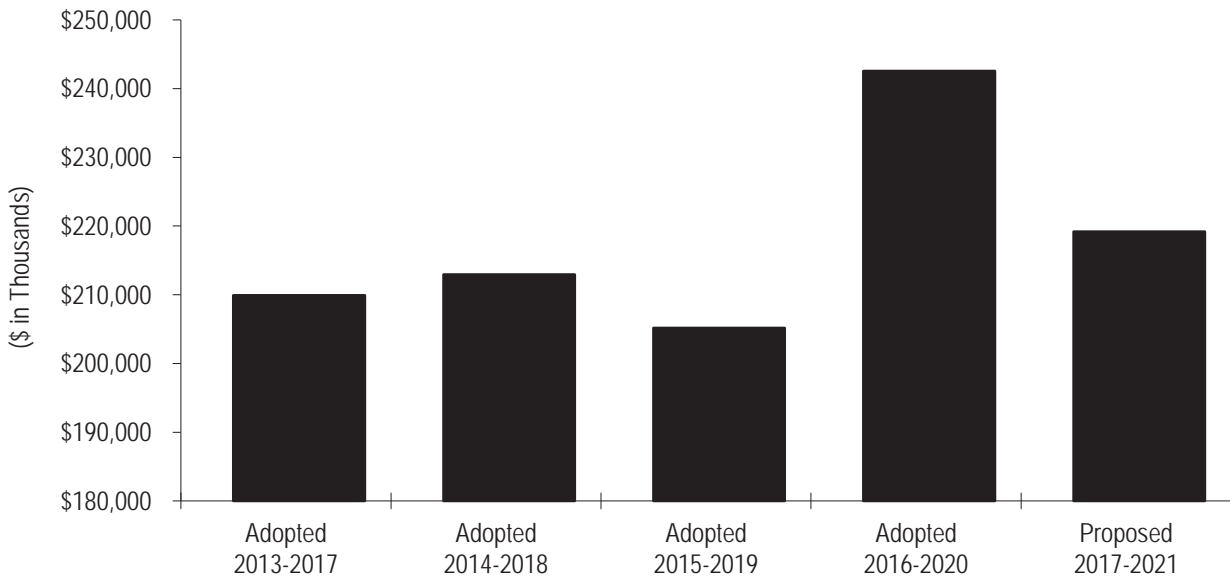
- Beginning Fund Balance
- Other Government Agencies
- ▨ Taxes, Fees and Charges
- ▤ Loans & Transfers
- Interest

**2016-2017 Proposed  
Use of Funds**



- ▨ Construction
- ▤ Non-Construction
- ▨ Ending Fund Balance
- ▤ Loans & Transfers

**CIP History**

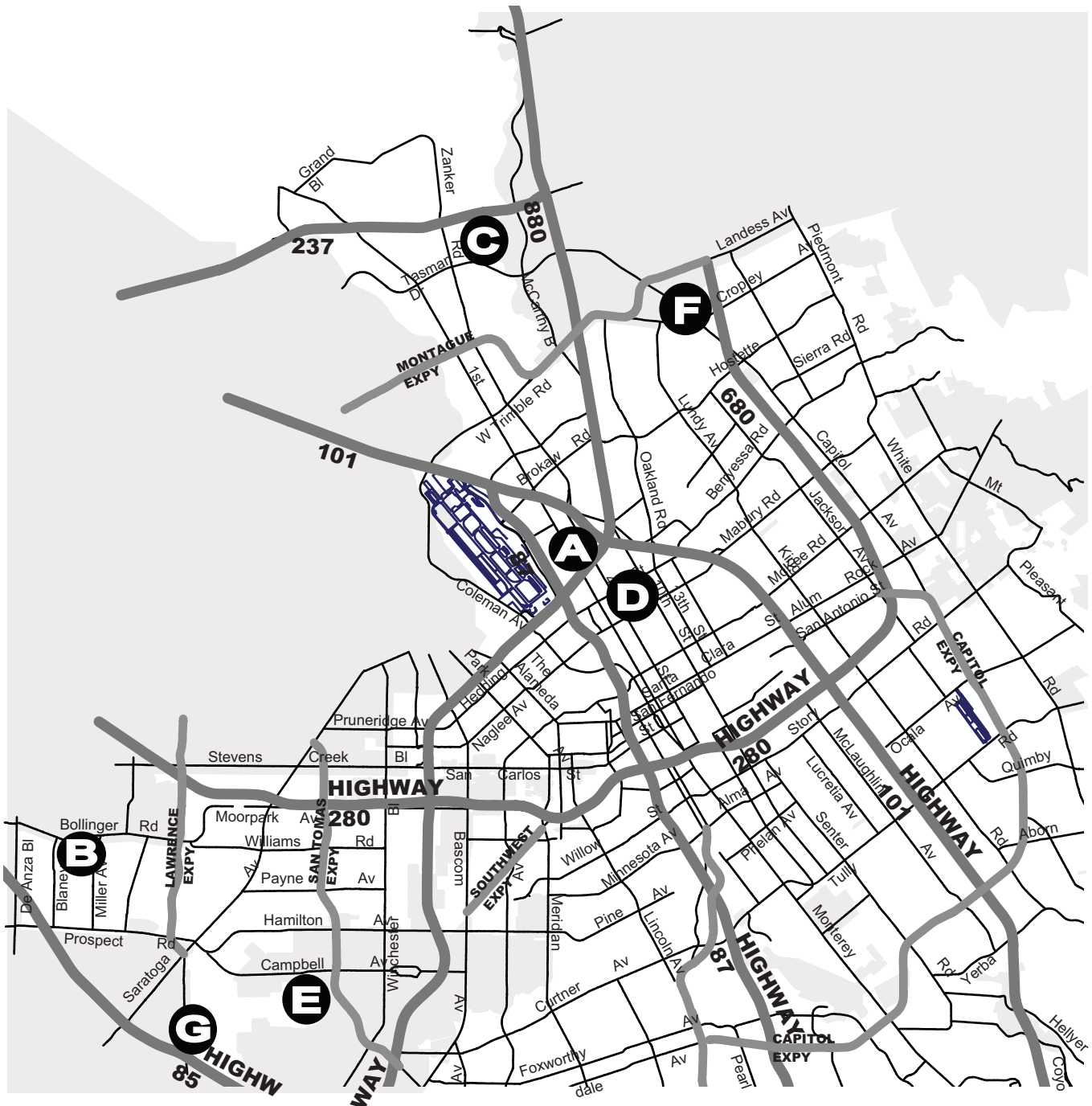


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# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

- A)** 60" Brick Interceptor, VIA and VIB
- B)** Bollinger Rd. - Moorpark Ave. - Williams Rd. Sanitary Sewer Improvements
- C)** Fourth Major Interceptor, Phase IIB/IIIB
- D)** Fourth Major Interceptor, Phase VII A
- E)** Rincon Ave. - Virginia Ave. Sanitary Sewer Improvements
- F)** Trimble Rd. and Capewood Ln. Sanitary Sewer Improvements
- G)** Westmont Ave. and Harriet Ave. Sanitary Sewer Improvements



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# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Overview

#### INTRODUCTION

The Sanitary Sewer System of the City of San José consists of approximately 2,250 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	1,800
10" TO 12" in diameter	200
OVER 12" in diameter	250
NUMBER OF MANHOLES	47,000
NUMBER OF PUMP STATIONS	16

The 2017-2021 Proposed Capital Improvement Program (CIP) provides funding of \$219.2 million, of which \$78.0 million is allocated in 2016-2017. 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 2017-2021 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.

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 that was completed in early 2013. The Master Plan helped identify and address trunk sewer capacity deficiencies in the existing system and forecast additional capacity-enhancing projects required to meet future demands in the context of the General Plan.

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

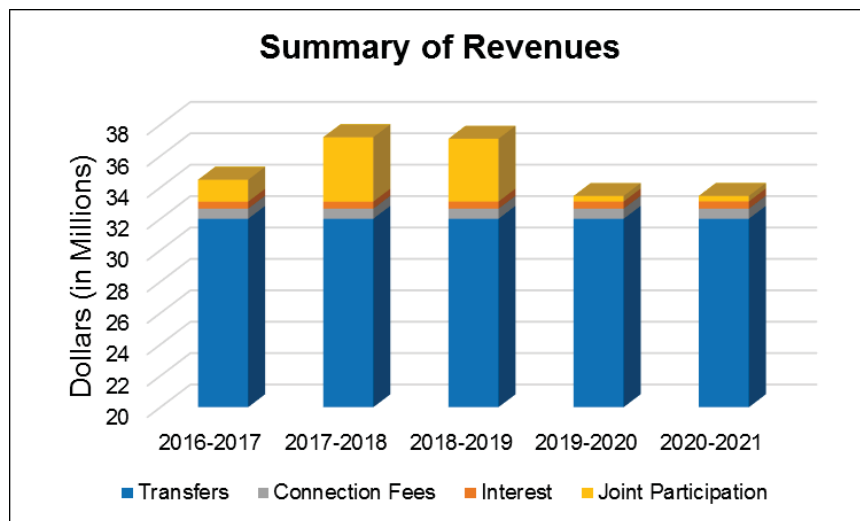
### Overview

#### PROGRAM PRIORITIES AND OBJECTIVES

As identified in the Status Report on Deferred Maintenance and Infrastructure Backlog accepted by City Council on February 9, 2016, the Sanitary Sewer Collection System has estimated unfunded needs of approximately \$2.3 million per year. With this remaining backlog, the City will continue to evaluate staffing levels and 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 2017-2021 Proposed CIP provides funding of \$219.2 million, of which \$78.0 million is allocated in 2016-2017. The program funding level decreased by \$23.4 million from \$242.6 million in the 2016-2020 Adopted CIP, mainly due to the cycling of several multi-million dollar projects (anticipated to be completed in 2015-2016) through the five-year CIP. Revenue for this CIP is 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.



#### PROGRAM HIGHLIGHTS

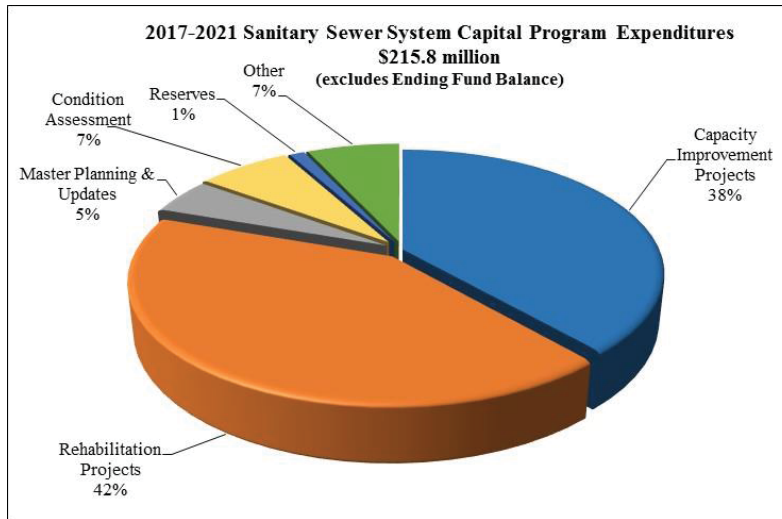
The Sanitary Sewer System Capital Program’s expenditures are organized to show the use of funds in several categories. The following highlights the major projects in the program. For further information on the program’s individual projects, please refer to the Detail Pages.

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Overview

#### PROGRAM HIGHLIGHTS



#### Capacity Improvement and Rehabilitation – North San José Interceptors

Funding totaling \$36.6 million is programmed in this Proposed CIP for the North San José Interceptor System, which consists of the 60" Brick Interceptor, Phase VIA and VIB (\$30.4 million) and Fourth Major Interceptor, Phase VIIA (\$5.5 million) projects for capacity improvement and the Fourth Major Interceptor, Phase IIB/IIIB project (\$686,000) for rehabilitation. The North San José Interceptor System is a collection of very large sanitary sewer pipes with diameters ranging from 54 to 90 inches. In general, an interceptor can be defined as a large pipe built by the City to serve as the 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. The North San José Interceptor System Master Plan, originally drafted in 1986, was updated in 2002 and includes an assessment of the hydraulic condition of the large sewers, a determination of the level of corrosion in the pipelines, and validated capacity of the system. The final recommendations for programmed rehabilitation and construction of new sewer interceptors have been incorporated into the 2017-2021 Proposed CIP and will be referred to in the preparation of subsequent CIPs. 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.

Presently, the City has three major sewer interceptors in the North San José 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; five out of seven phases have been completed. When 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.



# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Overview

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#### PROGRAM HIGHLIGHTS

##### Capacity Improvement – Other Projects

Various other capacity improvement 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. These projects include work on the interceptors described above, as well as several other projects in this CIP.

##### Rehabilitation – Other Projects

Funding is also programmed for sewer rehabilitation and/or 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.

##### 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.



**Coleman Road  
Sanitary Sewer Replacement**

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Overview**

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**MAJOR CHANGES FROM THE 2016-2020 ADOPTED CIP**

The overall size of the Sanitary Sewer System CIP has decreased by \$23.4 million from \$242.6 million in the 2016-2020 Adopted CIP to \$219.2 million in the 2017-2021 Proposed CIP, mainly due to the cycling of several multi-million dollar projects (anticipated to be completed in 2015-2016) through the five-year CIP. The following table outlines the most significant changes to project budgets, including new/augmented allocations and reduced/eliminated allocations.

<b>Project</b>	<b>Incr/Decr</b>
Bollinger Road – Moorpark Avenue – Williams Road Sanitary Sewer Improvements	\$8.9 million
30” Old Bayshore Supplement	\$814,000
Rehabilitation of Sanitary Sewer Pump Stations	(\$1.4 million)

**OPERATING BUDGET IMPACT**

All the projects in the Proposed Sanitary Sewer System CIP rehabilitate or replace existing sewers in order to avoid possible future maintenance costs and therefore do not incur additional long-term operating and maintenance costs.

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# 2016-2017 CAPITAL BUDGET

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## 2017-2021 CAPITAL IMPROVEMENT PROGRAM

### SANITARY SEWER SYSTEM

#### SOURCE OF FUNDS

#### USE OF FUNDS

#### SOURCE AND USE OF FUNDS STATEMENTS

#### 2016-2017 USE OF FUNDS BY FUNDING SOURCE

*The Source of Funds displays the capital revenues by funding source for each year of the Five-Year Capital Improvement Program. The Use of Funds displays the capital expenditures by line-item for each year of the five-year period. The Source and Use of Funds Statements display major categories of capital revenues and expenditures for each year over the five-year period. The 2016-2017 Use of Funds by Funding Source displays the funding sources for the capital expenditures that are budgeted in 2016-2017.*

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Source of Funds (Combined)**

<b>SOURCE OF FUNDS</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b><u>Sanitary Sewer Connection Fee Fund (540)</u></b>							
<b>Beginning Fund Balance</b>	10,303,458	1,095,687	520,687	609,687	257,687	415,687	1,095,687 *
<b>Revenue from Other Agencies:</b>							
<u>Sanitary Sewer Joint Participation</u>							
– CSD 2-3/City Joint Projects							
<b>Taxes, Fees and Charges:</b>							
<u>Sanitary Sewer Connection Fees</u>	700,000	650,000	650,000	650,000	650,000	650,000	3,250,000
<b>Interest Income</b>	65,000	59,000	60,000	61,000	62,000	63,000	305,000
<b>Reserve for Encumbrances</b>	1,727,229						
<b>Total Sanitary Sewer Connection Fee Fund</b>	<b>12,795,687</b>	<b>1,804,687</b>	<b>1,230,687</b>	<b>1,320,687</b>	<b>969,687</b>	<b>1,128,687</b>	<b>4,650,687 *</b>
<b><u>Sewer Service and Use Charge Capital Improvement Fund (545)</u></b>							
<b>Beginning Fund Balance</b>	68,950,597	42,407,714	3,796,714	2,574,714	318,714	463,714	42,407,714 *
<b>Revenue from Other Agencies:</b>							
<u>Other Agencies</u>							
– Reimbursements - WVSD/CUSD/Other City Joint Projects	70,000	1,400,000	4,100,000	4,000,000	350,000	350,000	10,200,000
<b>Contributions, Loans and Transfers from:</b>							
<u>Special Funds</u>							
– Transfer from Sewer Service and Use Charge Fund	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	160,000,000
<b>Interest Income</b>	480,000	380,000	384,000	388,000	392,000	396,000	1,940,000
<b>Reserve for Encumbrances</b>	14,840,117						
<b>Total Sewer Service and Use Charge Capital Improvement Fund</b>	<b>116,340,714</b>	<b>76,187,714</b>	<b>40,280,714</b>	<b>38,962,714</b>	<b>33,060,714</b>	<b>33,209,714</b>	<b>214,547,714 *</b>

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Source of Funds (Combined)**

<b>SOURCE OF FUNDS (CONT'D.)</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>TOTAL SOURCE OF FUNDS</b>	<b>129,136,401</b>	<b>77,992,401</b>	<b>41,511,401</b>	<b>40,283,401</b>	<b>34,030,401</b>	<b>34,338,401</b>	<b>219,198,401 *</b>

\* The 2017-2018 through 2020-2021 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Use of Funds (Combined)**

<b>USE OF FUNDS</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>Construction Projects</b>							
Public Art	1,698,000	125,000	110,000	148,000	89,000	50,000	522,000
<b>Capacity Improvement Projects</b>							
Almaden Expressway Sanitary Sewer Improvements	690,000						
Coleman Road Sanitary Sewer Improvements - Phase 3	974,000						
Fourth Major Interceptor, Phase VIIA				500,000	5,000,000		5,500,000
Husted Avenue Sanitary Sewer Improvement - Phase II	3,326,000						
Husted-Richland Sanitary Sewer Improvements	117,000						
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements			3,118,000	349,000			3,467,000
Westmont Avenue and Harriet Avenue Sanitary Sewer Improvements			561,000	3,142,000	372,000		4,075,000
1. 30" Old Bayshore Supplement	4,340,000	863,000					863,000
2. 60" Brick Interceptor, Phase VIA and VIB	944,000	29,038,000	828,000	515,000			30,381,000
3. Bollinger Road - Moorpark Avenue - Williams Road Sanitary Sewer Improvements	3,910,000	353,000		7,905,000	638,000	35,000	8,931,000
4. Capitol Avenue Sanitary Sewer Improvements	2,200,000	303,000					303,000
5. Coleman Road Sanitary Sewer Improvements	1,472,000	217,000					217,000
6. Immediate Replacement and Diversion Projects	7,564,000	6,000,000	6,500,000	3,000,000	3,000,000	5,000,000	23,500,000

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Use of Funds (Combined)**

<b>USE OF FUNDS (CONT'D.)</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>Construction Projects</b>							
<b>Capacity Improvement Projects</b>							
7. Monterey-Riverside Relief Sanitary Sewer Improvements	7,462,000	81,000					81,000
8. Stevens Creek Boulevard Sanitary Sewer Improvements	2,938,000	232,000					232,000
9. Trimble Road and Capewood Lane Sanitary Sewer Improvements	513,000	4,840,000					4,840,000
<b>Total Capacity Improvement Projects</b>	<b>36,450,000</b>	<b>41,927,000</b>	<b>11,007,000</b>	<b>15,411,000</b>	<b>9,010,000</b>	<b>5,035,000</b>	<b>82,390,000</b>
<b>Rehabilitation Projects</b>							
11th Street Sanitary Sewer Replacement	1,556,000						
Almaden Supplement Sewer Rehabilitation (North)						2,730,000	2,730,000
Alum Rock Avenue Sanitary Sewer Replacement	630,000						
Cast Iron Pipe Replacement - West	1,169,000						
Kelez Drive and El Prado Drive Sanitary Sewer Replacement	918,000						
Mackey Avenue Sanitary Sewer Replacement	264,000						
Minnesota Avenue Sanitary Sewer Improvements	104,000						
Spreckles Sanitary Sewer Force Main Supplement	635,000						
Story Road Easement Sanitary Sewer Replacement	479,000						



**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Use of Funds (Combined)**

<b>USE OF FUNDS (CONT'D.)</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>Construction Projects</b>							
<b>Rehabilitation Projects</b>							
The Villages Sanitary Sewer Replacement	1,012,000						
10. Cast Iron Pipe - Remove and Replace	4,601,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	22,500,000
11. Condition Assessment Sewer Repairs	6,604,000	5,500,000	5,500,000	5,500,000	5,500,000	5,500,000	27,500,000
12. Fourth Major Interceptor, Phase IIB/IIIB	2,517,000	686,000					686,000
13. Inflow and Infiltration Reduction	508,000	200,000	200,000	200,000	200,000	200,000	1,000,000
14. Rehabilitation of Sanitary Sewer Pump Stations	4,509,000	1,098,000					1,098,000
15. Reinforced Concrete Pipe Rehabilitation Program	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
16. Spreckles Sanitary Sewer Force Main Supplement, Phase II	2,859,000	325,000					325,000
17. Urgent Rehabilitation and Repair Projects	7,860,000	8,000,000	8,000,000	5,000,000	6,000,000	5,000,000	32,000,000
<b>Total Rehabilitation Projects</b>	<b>36,725,000</b>	<b>20,809,000</b>	<b>18,700,000</b>	<b>15,700,000</b>	<b>16,700,000</b>	<b>18,430,000</b>	<b>90,339,000</b>
<b>Total Construction Projects</b>	<b>74,873,000</b>	<b>62,861,000</b>	<b>29,817,000</b>	<b>31,259,000</b>	<b>25,799,000</b>	<b>23,515,000</b>	<b>173,251,000</b>
<b>Non-Construction</b>							
<b>General Non-Construction</b>							
Capital Program and Public Works Department Support Service Costs	1,214,000	1,594,000	1,674,000	1,533,000	398,000	406,000	5,605,000
Infrastructure Management System	37,000	30,000	32,000	34,000	36,000	38,000	170,000
18. Fee Administration	81,000	84,000	84,000	84,000	85,000	85,000	422,000

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Use of Funds (Combined)**

<b>USE OF FUNDS (CONT'D.)</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>Non-Construction</b>							
<b>General Non-Construction</b>							
19. Flow Monitoring Program (Master Planning)	1,903,000	760,000	760,000	770,000	780,000	780,000	3,850,000
20. Infrastructure - Sanitary Sewer Condition Assessment	4,520,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
21. Master Planning Updates	1,086,000	1,200,000	1,230,000	1,264,000	1,290,000	1,326,000	6,310,000
22. Payments to West Valley Sanitation District	10,000	10,000	10,000	10,000	10,000	10,000	50,000
23. Permit Review and Inspection for Outside Agencies	50,000	50,000	25,000	25,000	25,000	25,000	150,000
24. Preliminary Engineering	950,000	950,000	950,000	950,000	950,000	950,000	4,750,000
25. Program Management	475,000	300,000	300,000	300,000	300,000	300,000	1,500,000
26. Public Works Engineering Services Equipment (Materials Lab)	40,000	40,000	40,000	40,000	40,000	40,000	200,000
<b>Total General Non-Construction</b>	<b>10,366,000</b>	<b>8,018,000</b>	<b>8,105,000</b>	<b>8,010,000</b>	<b>6,914,000</b>	<b>6,960,000</b>	<b>38,007,000</b>
<b>Contributions, Loans and Transfers to General Fund</b>							
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	44,000	7,000					7,000
<b>Total Contributions, Loans and Transfers to General Fund</b>	<b>44,000</b>	<b>7,000</b>					<b>7,000</b>
<b>Contributions, Loans and Transfers to Special Funds</b>							
Transfer to the City Hall Debt Service Fund	350,000	389,000	405,000	438,000	438,000	438,000	2,108,000
<b>Total Contributions, Loans and Transfers to Special Funds</b>	<b>350,000</b>	<b>389,000</b>	<b>405,000</b>	<b>438,000</b>	<b>438,000</b>	<b>438,000</b>	<b>2,108,000</b>

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Use of Funds (Combined)**

<b>USE OF FUNDS (CONT'D.)</b>	<b>Estimated 2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>	<b>2018-2019</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>5-Year Total</b>
<b>Non-Construction</b>							
<b>Reserves</b>							
Montague Sanitary Sewer Pump Station Reserve		2,400,000					2,400,000
<b>Total Reserves</b>		<b>2,400,000</b>					<b>2,400,000</b>
<b>Total Non-Construction</b>	<b>10,760,000</b>	<b>10,814,000</b>	<b>8,510,000</b>	<b>8,448,000</b>	<b>7,352,000</b>	<b>7,398,000</b>	<b>42,522,000</b>
<b>Ending Fund Balance</b>	43,503,401	4,317,401	3,184,401	576,401	879,401	3,425,401	3,425,401*
<b>TOTAL USE OF FUNDS</b>	<b>129,136,401</b>	<b>77,992,401</b>	<b>41,511,401</b>	<b>40,283,401</b>	<b>34,030,401</b>	<b>34,338,401</b>	<b>219,198,401*</b>

\* The 2016-2017 through 2019-2020 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Sanitary Sewer Connection Fee Fund (540)**

**Statement of Source and Use of Funds**

	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
<b><u>SOURCE OF FUNDS</u></b>							
Beginning Fund Balance *	10,303,458	1,095,687	520,687	609,687	257,687	415,687	1,095,687
Interest Income	65,000	59,000	60,000	61,000	62,000	63,000	305,000
Reserve for Encumbrances	1,727,229						
Revenue from Other Agencies							
Taxes, Fees and Charges	700,000	650,000	650,000	650,000	650,000	650,000	3,250,000
<b>TOTAL SOURCE OF FUNDS</b>	<b>12,795,687</b>	<b>1,804,687</b>	<b>1,230,687</b>	<b>1,320,687</b>	<b>969,687</b>	<b>1,128,687</b>	<b>4,650,687</b>
<b><u>USE OF FUNDS</u></b>							
Construction Projects	9,941,000	173,000		610,000	100,000		883,000
Contributions, Loans and Transfers	28,000	36,000	37,000	40,000	40,000	40,000	193,000
Non-Construction	1,731,000	1,075,000	584,000	413,000	414,000	414,000	2,900,000
Reserves							
Ending Fund Balance **	1,095,687	520,687	609,687	257,687	415,687	674,687	674,687
<b>TOTAL USE OF FUNDS</b>	<b>12,795,687</b>	<b>1,804,687</b>	<b>1,230,687</b>	<b>1,320,687</b>	<b>969,687</b>	<b>1,128,687</b>	<b>4,650,687</b>

\* The 2017-2018 through 2020-2021 Beginning Fund Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

\*\* The 2016-2017 through 2019-2020 Ending Fund Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Sewer Service and Use Charge Capital Improvement Fund (545)**

**Statement of Source and Use of Funds**

	<u>Estimated 2015-2016</u>	<u>2016-2017</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>5-Year Total</u>
<b><u>SOURCE OF FUNDS</u></b>							
Beginning Fund Balance *	68,950,597	42,407,714	3,796,714	2,574,714	318,714	463,714	42,407,714
Contributions, Loans and Transfers	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	160,000,000
Interest Income	480,000	380,000	384,000	388,000	392,000	396,000	1,940,000
Reserve for Encumbrances	14,840,117						
Revenue from Other Agencies	70,000	1,400,000	4,100,000	4,000,000	350,000	350,000	10,200,000
<b>TOTAL SOURCE OF FUNDS</b>	<b><u>116,340,714</u></b>	<b><u>76,187,714</u></b>	<b><u>40,280,714</u></b>	<b><u>38,962,714</u></b>	<b><u>33,060,714</u></b>	<b><u>33,209,714</u></b>	<b><u>214,547,714</u></b>
<b><u>USE OF FUNDS</u></b>							
Construction Projects	64,932,000	62,688,000	29,817,000	30,649,000	25,699,000	23,515,000	172,368,000
Contributions, Loans and Transfers	366,000	360,000	368,000	398,000	398,000	398,000	1,922,000
Non-Construction	8,635,000	6,943,000	7,521,000	7,597,000	6,500,000	6,546,000	35,107,000
Reserves		2,400,000					2,400,000
Ending Fund Balance **	42,407,714	3,796,714	2,574,714	318,714	463,714	2,750,714	2,750,714
<b>TOTAL USE OF FUNDS</b>	<b><u>116,340,714</u></b>	<b><u>76,187,714</u></b>	<b><u>40,280,714</u></b>	<b><u>38,962,714</u></b>	<b><u>33,060,714</u></b>	<b><u>33,209,714</u></b>	<b><u>214,547,714</u></b>

\* The 2017-2018 through 2020-2021 Beginning Fund Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

\*\* The 2016-2017 through 2019-2020 Ending Fund Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**2016-2017 Use of Funds by Funding Source**

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<b>TOTAL RESOURCES</b>	<b>1,804,687</b>	<b>76,187,714</b>	<b>77,992,401</b>
<b><u>Construction Projects</u></b>			
Public Art		125,000	125,000
<b><u>Capacity Improvement Projects</u></b>			
1. 30" Old Bayshore Supplement		863,000	863,000
2. 60" Brick Interceptor, Phase VIA and VIB		29,038,000	29,038,000
3. Bollinger Road - Moorpark Avenue - Williams Road Sanitary Sewer Improvements		353,000	353,000
4. Capitol Avenue Sanitary Sewer Improvements		303,000	303,000
5. Coleman Road Sanitary Sewer Improvements		217,000	217,000
6. Immediate Replacement and Diversion Projects		6,000,000	6,000,000
7. Monterey-Riverside Relief Sanitary Sewer Improvements		81,000	81,000
8. Stevens Creek Boulevard Sanitary Sewer Improvements		232,000	232,000
9. Trimble Road and Capewood Lane Sanitary Sewer Improvements	173,000	4,667,000	4,840,000
<b>Total Capacity Improvement Projects</b>	<b>173,000</b>	<b>41,754,000</b>	<b>41,927,000</b>

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**2016-2017 Use of Funds by Funding Source**

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<b>Construction Projects</b>			
<b>Rehabilitation Projects</b>			
10. Cast Iron Pipe - Remove and Replace		4,500,000	4,500,000
11. Condition Assessment Sewer Repairs		5,500,000	5,500,000
12. Fourth Major Interceptor, Phase IIB/IIIB		686,000	686,000
13. Inflow and Infiltration Reduction		200,000	200,000
14. Rehabilitation of Sanitary Sewer Pump Stations		1,098,000	1,098,000
15. Reinforced Concrete Pipe Rehabilitation Program		500,000	500,000
16. Spreckles Sanitary Sewer Force Main Supplement, Phase II		325,000	325,000
17. Urgent Rehabilitation and Repair Projects		8,000,000	8,000,000
<b>Total Rehabilitation Projects</b>		<b>20,809,000</b>	<b>20,809,000</b>
<b>Total Construction Projects</b>	<b>173,000</b>	<b>62,688,000</b>	<b>62,861,000</b>
<b>Non-Construction</b>			
<b>General Non-Construction</b>			
Capital Program and Public Works Department Support Service Costs	181,000	1,413,000	1,594,000

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**2016-2017 Use of Funds by Funding Source**

09 - A

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<b><u>Non-Construction</u></b>			
<b>General Non-Construction</b>			
Infrastructure Management System		30,000	30,000
18. Fee Administration	84,000		84,000
19. Flow Monitoring Program (Master Planning)	400,000	360,000	760,000
20. Infrastructure - Sanitary Sewer Condition Assessment		3,000,000	3,000,000
21. Master Planning Updates	300,000	900,000	1,200,000
22. Payments to West Valley Sanitation District	10,000		10,000
23. Permit Review and Inspection for Outside Agencies		50,000	50,000
24. Preliminary Engineering	50,000	900,000	950,000
25. Program Management	50,000	250,000	300,000
26. Public Works Engineering Services Equipment (Materials Lab)		40,000	40,000
<b>Total General Non-Construction</b>	<b>1,075,000</b>	<b>6,943,000</b>	<b>8,018,000</b>
<b>Contributions, Loans and Transfers to General Fund</b>			
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	1,000	6,000	7,000
<b>Total Contributions, Loans and Transfers to General Fund</b>	<b>1,000</b>	<b>6,000</b>	<b>7,000</b>



**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**2016-2017 Use of Funds by Funding Source**

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<b><u>Non-Construction</u></b>			
<b>Contributions, Loans and Transfers to Special Funds</b>			
Transfer to the City Hall Debt Service Fund	35,000	354,000	389,000
<b>Total Contributions, Loans and Transfers to Special Funds</b>	<b>35,000</b>	<b>354,000</b>	<b>389,000</b>
<b>Reserves</b>			
Montague Sanitary Sewer Pump Station Reserve		2,400,000	2,400,000
<b>Total Reserves</b>		<b>2,400,000</b>	<b>2,400,000</b>
<b><u>Total Non-Construction</u></b>	<b>1,111,000</b>	<b>9,703,000</b>	<b>10,814,000</b>
<b>Ending Fund Balance</b>	520,687	3,796,714	4,317,401
<b>TOTAL USE OF FUNDS</b>	<b>1,804,687</b>	<b>76,187,714</b>	<b>77,992,401</b>

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# 2016-2017 CAPITAL BUDGET

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## 2017-2021 CAPITAL IMPROVEMENT PROGRAM

### SANITARY SEWER SYSTEM

#### DETAIL OF CONSTRUCTION PROJECTS

#### DETAIL OF NON-CONSTRUCTION PROJECTS

*The Detail of Construction Projects section provides information on the individual construction projects with funding in 2016-2017. The Detail of Non-Construction Projects section is abbreviated and provides information on the individual non-construction project, with funding in 2016-2017. On the Use of Funds statement, these projects are numbered.*

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Detail of Construction Projects

#### 1. 30" Old Bayshore Supplement

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2008  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Public Works **Initial Completion Date:** 2nd Qtr. 2010  
**Council District:** 4 **Revised Completion Date:** 2nd Qtr. 2017  
**Location:** Old Bayshore Highway between Commercial Street and Zanker Road  
**Description:** This project funds the construction of 5,540 linear feet of 30-inch diameter relief sewer parallel to an existing 30-inch pipe on Old Bayshore Highway between Commercial Street and Zanker Road.  
**Justification:** The Sanitary Sewer Master Plan Phase II identified a need for capacity improvements in this area.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	134										134
Design	307										307
Bid & Award	2										2
Construction		4,306	4,340	808					808		5,148
Post Construction		34		55					55		55
<b>TOTAL</b>	<b>443</b>	<b>4,340</b>	<b>4,340</b>	<b>863</b>					<b>863</b>		<b>5,646</b>

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer Connection Fee Fund	130	1,551	1,551								1,681
Sewer Service And Use Charge Capital Improvement Fund	313	2,789	2,789	863					863		3,965
<b>TOTAL</b>	<b>443</b>	<b>4,340</b>	<b>4,340</b>	<b>863</b>					<b>863</b>		<b>5,646</b>

**ANNUAL OPERATING BUDGET IMPACT (000'S)**

**None**

**Major Changes in Project Cost:**

- 2010-2014 CIP - Increase of \$142,000 due to changes in project scope.
- 2011-2015 CIP - Decrease of \$286,000 due to changes in project scope.
- 2012-2016 CIP - Increase of \$630,000 to reflect an increase to the scope of the project.
- 2013-2017 CIP - Decrease of \$829,000 due to changes in project scope.
- 2014-2018 CIP - Decrease of \$87,000 due to changes in project scope.
- 2015-2019 CIP - Decrease of \$188,000 due to a refined project scope and cost estimate.
- 2016-2020 CIP - Increase of \$596,000 due to a refined project scope and cost estimate.
- 2017-2021 CIP - Increase of \$814,000 due to a refined project scope and cost estimate.

**Notes:**

**FY Initiated:** 2008-2009 **Appn. #:** 6519  
**Initial Project Budget:** \$4,854,000 **USGBC LEED:** N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 2. 60" Brick Interceptor, Phase VIA and VIB

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2009
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2013
<b>Council District:</b>	3, 4	<b>Revised Completion Date:</b>	2nd Qtr. 2019
<b>Location:</b>	From 5th and Commercial Streets to Zanker Road and Old Bayshore Highway		

**Description:** This project replaces approximately 5,000 linear feet of existing 54-inch reinforced concrete sanitary sewer with an 84-inch lined reinforced concrete pipe. The start and completion dates above refer to Phase VIA. The prior year funding in the chart below includes earlier phases of this project, and this CIP only provides funding to complete Phase VIA. Phase VIB will rehabilitate the existing 60-inch brick sewer after the completion of Phase VIA.

**Justification:** Based on the North San José Interceptor Study, this portion of the interceptor system requires additional capacity to serve the ultimate build out of the City.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	63										63
Design	4,140		944								5,084
Bid & Award	10			18					18		28
Construction	32,932	29,981		29,020	828	442			30,290		63,222
Post Construction	9					73			73		82
<b>TOTAL</b>	<b>37,154</b>	<b>29,981</b>	<b>944</b>	<b>29,038</b>	<b>828</b>	<b>515</b>			<b>30,381</b>		<b>68,479</b>

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer	186										186
Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund	36,968	29,981	944	29,038	828	515			30,381		68,293
<b>TOTAL</b>	<b>37,154</b>	<b>29,981</b>	<b>944</b>	<b>29,038</b>	<b>828</b>	<b>515</b>			<b>30,381</b>		<b>68,479</b>

### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

Prior to 2008-2009 - Increase of \$60.8 million due to changes in scope, construction costs, and additional project phases. 2009-2013 CIP - Decrease of \$2.2 million to address scope changes and construction costs. 2010-2014 CIP - Increase of \$6.7 million to address scope changes and construction costs. 2011-2015 CIP - Decrease of \$19.7 million due to scope refinement. 2012-2016 CIP - Increase of \$17.7 million due to scope changes and cost estimate updates. 2014-2018 CIP - Decrease of \$6.3 million due to scope changes. 2015-2019 CIP - Decrease of \$1.2 million due to relocation of utilities on Fourth Street by the utility companies and cost adjustment by design consultant. 2016-2020 CIP - Increase of \$2.2 million due to scope change and cost estimate updates. 2017-2021 CIP - Decrease of \$392,000 due to scope change.

**Notes:**

The FY Initiated date and Initial Project Budget shown below refer to Phase IIIA, IVB, and VB of the project. The costs for Phase VIB will be determined after Phase VIA is completed to determine the scope of Phase VIB.

<b>FY Initiated:</b>	1991-1992	<b>Appn. #:</b>	4969
<b>Initial Project Budget:</b>	\$10,442,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Detail of Construction Projects

#### 3. Bollinger Road - Moorpark Avenue - Williams Road Sanitary Sewer Improvements

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2012
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2015
<b>Council District:</b>	1	<b>Revised Completion Date:</b>	2nd Qtr. 2021
<b>Location:</b>	Blaney Avenue, Bollinger Road, Moorpark Avenue and Williams Road to Saratoga Avenue		

**Description:** The project will include the capacity upgrade of approximately 17,000 feet of sanitary sewer mains. The project will be completed in two phases. The first phase is at Moorpark Avenue from Lawrence Expressway to Williams Road and along Williams Road to Saratoga Avenue. The second phase is at Bollinger Road from Blaney Avenue to Lawrence Expressway.

**Justification:** This project will provide additional capacity to the Forest-Rosa Basin as identified in the Sanitary Sewer Master Plan Capacity Assessment Phase II and Phase I - Update.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		26									26
Design	374	150	150			116			116		640
Bid & Award		30	30			31			31		61
Construction		3,709	3,730	326		7,758	610		8,694		12,424
Post Construction		21		27			28	35	90		90
<b>TOTAL</b>	<b>400</b>	<b>3,910</b>	<b>3,910</b>	<b>353</b>		<b>7,905</b>	<b>638</b>	<b>35</b>	<b>8,931</b>		<b>13,241</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund		577	577			500			500		1,077
Sewer Service And Use Charge Capital Improvement Fund	400	3,333	3,333	353		7,405	638	35	8,431		12,164
<b>TOTAL</b>	<b>400</b>	<b>3,910</b>	<b>3,910</b>	<b>353</b>		<b>7,905</b>	<b>638</b>	<b>35</b>	<b>8,931</b>		<b>13,241</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

2014-2018 CIP - Increase of \$2.7 million due to change in scope to include an additional 6,000 feet of sanitary sewer mains along Williams Road.

2015-2019 CIP - Decrease of \$6.8 million due to a moratorium on trench work.

2016-2020 CIP - Increase of \$3.1 million due to project schedule change.

2017-2021 CIP - Increase of \$8.9 million due to project re-scope to include an additional project phase.

**Notes:**

CEQA Project: FSR-7 - Bollinger Road - Blaney Avenue Sanitary Sewer Improvements. Prior to 2015-2016, this project was titled "Bollinger Road - Blaney Avenue Sanitary Sewer Improvements". Phase 1 construction is anticipated to begin in 2015-2016, while Phase 2 construction is anticipated to begin in 2018-2019 after the paving moratorium ends for this phase.

<b>FY Initiated:</b>	2012-2013	<b>Appn. #:</b>	7606 , 7478
<b>Initial Project Budget:</b>	\$5,404,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Detail of Construction Projects

#### 4. Capitol Avenue Sanitary Sewer Improvements

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2014
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2015
<b>Council District:</b>	4	<b>Revised Completion Date:</b>	4th Qtr. 2016
<b>Location:</b>	Capitol Avenue north of Battaglia Court to Hostetter Road		
<b>Description:</b>	This project replaces approximately 3,520 feet of existing 8-inch diameter sanitary sewer pipes with 12-inch diameter sanitary sewer pipes on Capitol Avenue, north of Battaglia Court to Hostetter Road.		
<b>Justification:</b>	Requiring capacity improvement, the existing sanitary sewer pipes in this area need to be upsized.		

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	81										81
Design	28										28
Bid & Award		60	60								60
Construction		2,360	2,140	273					273		2,413
Post Construction		30		30					30		30
<b>TOTAL</b>	<b>109</b>	<b>2,450</b>	<b>2,200</b>	<b>303</b>					<b>303</b>		<b>2,612</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer		870	790								790
Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund	109	1,580	1,410	303					303		1,822
<b>TOTAL</b>	<b>109</b>	<b>2,450</b>	<b>2,200</b>	<b>303</b>					<b>303</b>		<b>2,612</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

#### Major Changes in Project Cost:

2014-2018 CIP - Increase of \$1.3 million due to changes in project scope.  
 2015-2019 CIP - Decrease of \$116,000 due to refining of scope and annual estimates.  
 2016-2020 CIP - Decrease of \$31,000 due to refining of the latest cost estimates.  
 2017-2021 CIP - Decrease of \$130,000 due to refined cost estimates.

#### Notes:

CEQA Project: Brokaw 3 - Capitol Avenue Sanitary Sewer Improvement.  
 2015-2019 CIP - Project retitled from "Capitol Avenue Sanitary Sewer Improvement - Brokaw Street".

<b>FY Initiated:</b>	2014-2015	<b>Appn. #:</b>	7673
<b>Initial Project Budget:</b>	\$2,773,000	<b>USGBC LEED:</b>	N/A

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Detail of Construction Projects**

**5. Coleman Road Sanitary Sewer Improvements**

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2013  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Public Works **Initial Completion Date:** 2nd Qtr. 2015  
**Council District:** 10 **Revised Completion Date:** 4th Qtr. 2016  
**Location:** Coleman Road from Camden Avenue to Alvarado Court  
**Description:** This project upsizes approximately 1,400 feet of 8-inch diameter sanitary sewer pipes along Coleman Road from Camden Avenue to Alvarado Court.  
**Justification:** This project will provide additional capacity of the Almaden Basin as identified in the Sanitary Sewer Master Plan Capacity Assessment Phase II and Phase I - Update.

**EXPENDITURE SCHEDULE (000'S)**

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	96										96
Design	26	5	5								31
Bid & Award		10	10								10
Construction		1,445	1,457	206					206		1,663
Post Construction		12		11					11		11
<b>TOTAL</b>	<b>122</b>	<b>1,472</b>	<b>1,472</b>	<b>217</b>					<b>217</b>		<b>1,811</b>

**FUNDING SOURCE SCHEDULE (000'S)**

Sanitary Sewer Connection Fee Fund		20	20								20
Sewer Service And Use Charge Capital Improvement Fund	122	1,452	1,452	217					217		1,791
<b>TOTAL</b>	<b>122</b>	<b>1,472</b>	<b>1,472</b>	<b>217</b>					<b>217</b>		<b>1,811</b>

**ANNUAL OPERATING BUDGET IMPACT (000'S)**

None

**Major Changes in Project Cost:**

2015-2019 CIP - Increase of \$123,000 due to defined scope and estimates that were developed during the preliminary phase of the project.

2016-2020 CIP - Increase of \$238,000 due to a refined project scope and cost estimate.

2017-2021 CIP - Increase of \$217,000 due to a refined project scope and cost estimate.

**Notes:**

CEQA Project: Almaden 3A - Coleman Road Sanitary Sewer Improvements.

**FY Initiated:** 2013-2014 **Appn. #:** 7613  
**Initial Project Budget:** \$1,233,000 **USGBC LEED:** N/A



# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 6. Immediate Replacement and Diversion Projects

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**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.

**Justification:** This allocation is needed to address immediate replacement and supplemental sewer needs.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development Property & Land		60	40	40	40	30	30	35	175		
Design		700	500	500	500	300	300	400	2,000		
Bid & Award		30	30	30	30	10	10	20	100		
Construction		6,714	6,964	5,420	5,920	2,650	2,650	4,535	21,175		
Post Construction		60	30	10	10	10	10	10	50		
<b>TOTAL</b>		<b>7,564</b>	<b>7,564</b>	<b>6,000</b>	<b>6,500</b>	<b>3,000</b>	<b>3,000</b>	<b>5,000</b>	<b>23,500</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund		2,216	2,216								
Sewer Service And Use Charge Capital Improvement Fund		5,348	5,348	6,000	6,500	3,000	3,000	5,000	23,500		
<b>TOTAL</b>		<b>7,564</b>	<b>7,564</b>	<b>6,000</b>	<b>6,500</b>	<b>3,000</b>	<b>3,000</b>	<b>5,000</b>	<b>23,500</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. Prior to 2012-2013, this project was titled "Miscellaneous Projects".

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	4272
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 7. Monterey-Riverside Relief Sanitary Sewer Improvements

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2011
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2014
<b>Council District:</b>	2	<b>Revised Completion Date:</b>	4th Qtr. 2016
<b>Location:</b>	Along Cottle Road between Beswick Drive and Monterey Highway		

**Description:** This project installs approximately 4,100 linear feet of 30-inch vitrified clay pipe along Cottle Road between Beswick Drive and Monterey Highway. This is a relief sewer connecting the Monterey-Riverside system to the Edenvale system. This alignment will include a trenchless perpendicular crossing of the Union Pacific railroad tracks along Monterey Highway.

**Justification:** This project will provide additional capacity for the Monterey-Riverside sanitary sewer system by constructing a relief sewer that diverts a portion of the sewage flow from the Monterey-Riverside sanitary sewer system to the Edenvale system.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		36									36
Design		799									799
Bid & Award		60									60
Construction		7,440	7,462	54					54		7,516
Post Construction		22		27					27		27
<b>TOTAL</b>		<b>895</b>	<b>7,462</b>	<b>7,462</b>	<b>81</b>				<b>81</b>		<b>8,438</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund		2,500	2,500								2,500
Sewer Service And Use Charge Capital Improvement Fund	895	4,962	4,962	81					81		5,938
<b>TOTAL</b>		<b>895</b>	<b>7,462</b>	<b>7,462</b>	<b>81</b>				<b>81</b>		<b>8,438</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

2014-2018 CIP - Increase of \$447,000 due to increased project scope.

2015-2019 CIP - Increase of \$1.1 million to construct a new diversion structure to accommodate additional flow coming from private development.

2016-2020 CIP - Increase of \$3.1 million due to a refined project scope and actual bids received.

2017-2021 CIP - Increase of \$81,000 due to refined cost estimates.

**Notes:**

<b>FY Initiated:</b>	2011-2012	<b>Appn. #:</b>	7359
<b>Initial Project Budget:</b>	\$3,665,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 8. Stevens Creek Boulevard Sanitary Sewer Improvements

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2012
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2014
<b>Council District:</b>	1	<b>Revised Completion Date:</b>	2nd Qtr. 2017
<b>Location:</b>	Stevens Creek Boulevard from Saratoga Avenue to Cronin Drive		

**Description:** This project upsizes the existing sanitary sewer system by removing approximately 7,500 linear feet of 8-inch and 10-inch sewer pipes and replacing them with 18-inch sewer pipes along Stevens Creek Boulevard from Saratoga Avenue to Cronin Drive.

**Justification:** This project is needed to increase capacity in the system as identified in the Sanitary Sewer Master Plan Capacity Assessment Phase II and Phase I - Update.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	115										115
Design	193										193
Bid & Award		5	5								5
Construction		2,898	2,898	192					192		3,090
Post Construction		35	35	40					40		75
<b>TOTAL</b>	<b>308</b>	<b>2,938</b>	<b>2,938</b>	<b>232</b>					<b>232</b>		<b>3,478</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer		1,288	1,288								1,288
Connection Fee Fund											
Sewer Service And Use	308	1,650	1,650	232					232		2,190
Charge Capital Improvement Fund											
<b>TOTAL</b>	<b>308</b>	<b>2,938</b>	<b>2,938</b>	<b>232</b>					<b>232</b>		<b>3,478</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

2015-2019 CIP - Increase of \$339,000 due to an additional study required to accommodate the operations from car dealers along Stevens Creek Boulevard which was anticipated to increase construction costs.  
 2016-2020 CIP - Decrease of \$135,000 due to refining of project scope and cost estimate.  
 2017-2021 CIP - Increase of \$232,000 to reflect an increase in construction costs.

**Notes:**

CEQA Project: FSR11 - Stevens Creek Boulevard Sanitary Sewer Improvements.

<b>FY Initiated:</b>	2012-2013	<b>Appn. #:</b>	7473
<b>Initial Project Budget:</b>	\$3,042,000	<b>USGBC LEED:</b>	N/A

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Detail of Construction Projects**

**9. Trimble Road and Capewood Lane Sanitary Sewer Improvements**

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	2nd Qtr. 2014
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2016
<b>Council District:</b>	4	<b>Revised Completion Date:</b>	2nd Qtr. 2017
<b>Location:</b>	Along Landess Avenue, Warmwood Lane, Capewood Lane, Trimble Road between N. Capitol Avenue, and Ashwood Lane		
<b>Description:</b>	This project upsizes and replaces approximately 7,600 feet of 8-inch diameter vitrified clay pipe (VCP) with 10, 12, and 15-inch diameter VCP along Laneview Drive, Amberwood Lane, and Trimble Road in North San José. The project also installs 600 feet of new pipe under Highway 680.		
<b>Justification:</b>	This project will provide additional capacity of the Trimble-Morrill Basin as identified in the Sanitary Sewer Master Plan Capacity Assessment Phase II and Phase I - Update.		

**EXPENDITURE SCHEDULE (000'S)**

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	155	100	200								355
Design	14	413	313	297					297		624
Bid & Award				14					14		14
Construction				4,513					4,513		4,513
Post Construction				16					16		16
<b>TOTAL</b>	<b>169</b>	<b>513</b>	<b>513</b>	<b>4,840</b>					<b>4,840</b>		<b>5,522</b>

**FUNDING SOURCE SCHEDULE (000'S)**

Sanitary Sewer Connection Fee Fund				173					173		173
Sewer Service And Use Charge Capital Improvement Fund	169	513	513	4,667					4,667		5,349
<b>TOTAL</b>	<b>169</b>	<b>513</b>	<b>513</b>	<b>4,840</b>					<b>4,840</b>		<b>5,522</b>

**ANNUAL OPERATING BUDGET IMPACT (000'S)**

None

**Major Changes in Project Cost:**

2015-2019 CIP - Increase of \$92,000 due to a refined project scope and annual estimate.  
 2016-2020 CIP - Increase of \$20,000 due to a refined project scope and cost estimate.  
 2017-2021 CIP - Increase of \$177,000 due to a refined project scope and cost estimate.

**Notes:**

CEQA Project: TRM1 - Trimble Road and Capewood Lane Sanitary Sewer Improvement.

<b>FY Initiated:</b>	2013-2014	<b>Appn. #:</b>	7620
<b>Initial Project Budget:</b>	\$5,233,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 10. Cast Iron Pipe - Remove and Replace

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**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.

**Justification:** This project replaces and/or removes the existing aging or corroded cast iron sewer pipes with new pipes, which will improve flow, thereby reducing the frequency of maintenance activity performed by the Department of Transportation.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		50	50	50	50	50	50	50	250		
Design		600	600	200	200	200	200	200	1,000		
Bid & Award		50	50	20	20	20	20	20	100		
Construction		3,896	3,896	4,220	4,220	4,220	4,220	4,220	21,100		
Post Construction		5	5	10	10	10	10	10	50		
<b>TOTAL</b>		<b>4,601</b>	<b>4,601</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>22,500</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	4,601	4,601	4,500	4,500	4,500	4,500	4,500	4,500	22,500		
<b>TOTAL</b>	<b>4,601</b>	<b>4,601</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>22,500</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	7472
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 11. Condition Assessment Sewer Repairs

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**Description:** This allocation funds the development and implementation of contracts to identify and repair 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.

**Justification:** This allocation is required due to the structural deterioration of aging sewers.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		100	100	4	4	4	4	4	20		
Design		500	300	200	200	200	200	200	1,000		
Bid & Award		30	30	10	10	10	10	10	50		
Construction		5,964	6,164	5,276	5,276	5,276	5,276	5,276	26,380		
Post Construction		10	10	10	10	10	10	10	50		
<b>TOTAL</b>		<b>6,604</b>	<b>6,604</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>27,500</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund		6,604	6,604	5,500	5,500	5,500	5,500	5,500	27,500
<b>TOTAL</b>		<b>6,604</b>	<b>6,604</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>27,500</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	7356
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 12. Fourth Major Interceptor, Phase IIB/IIIB

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2009
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2011
<b>Council District:</b>	4	<b>Revised Completion Date:</b>	2nd Qtr. 2017
<b>Location:</b>	Zanker Road between Holger Way and Structure A at Estancia Drive		
<b>Description:</b>	This project rehabilitates approximately 3,000 linear feet of 84-inch diameter reinforced concrete pipe along Zanker Road.		
<b>Justification:</b>	This allocation is required due to the structural deterioration of aging sewers.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		76									76
Design		148									148
Bid & Award		22									22
Construction		2,494	2,517	663					663		3,180
Post Construction		23		23					23		23
<b>TOTAL</b>		<b>246</b>	<b>2,517</b>	<b>2,517</b>	<b>686</b>				<b>686</b>		<b>3,449</b>

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer Connection Fee Fund		112									112
Sewer Service And Use Charge Capital Improvement Fund		134	2,517	2,517	686				686		3,337
<b>TOTAL</b>		<b>246</b>	<b>2,517</b>	<b>2,517</b>	<b>686</b>				<b>686</b>		<b>3,449</b>

ANNUAL OPERATING BUDGET IMPACT (000'S)										
<b>None</b>										

**Major Changes in Project Cost:**

- 2011-2015 CIP - Decrease of \$327,000 due to a lower than expected construction cost.
- 2012-2016 CIP - Increase of \$3.5 million due to the addition of Phase IIIB.
- 2013-2017 CIP - Decrease of \$1.6 million due to decrease in project scope.
- 2014-2018 CIP - Decrease of \$2.03 million due to decrease in project scope.
- 2015-2019 CIP - Increase of \$167,000 due to a refined project scope and annual estimate.
- 2016-2020 CIP - Decrease of \$19,000 due to a refined project scope and cost estimate.
- 2017-2021 CIP - Increase of \$686,000 due to a refined project scope and cost estimate.

**Notes:**

<b>FY Initiated:</b>	2009-2010	<b>Appn. #:</b>	7077
<b>Initial Project Budget:</b>	\$3,033,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 13. Inflow and Infiltration Reduction

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**Description:** This project rehabilitates 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.

**Justification:** This allocation reduces groundwater infiltration into the sanitary sewer collection system, thereby reducing the volume of effluent discharged by the San José/Santa Clara Water Pollution Control Plant into the San Francisco Bay.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development Design Bid & Award Construction Post Construction		508	508	200	200	200	200	200	1,000		
<b>TOTAL</b>		<b>508</b>	<b>508</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>1,000</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	8	8									
Sewer Service And Use Charge Capital Improvement Fund		500	500	200	200	200	200	200	1,000		
<b>TOTAL</b>		<b>508</b>	<b>508</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>1,000</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. This allocation was formerly titled "Infiltration Reduction".

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	6444
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A



# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 14. Rehabilitation of Sanitary Sewer Pump Stations

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2008
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2009
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	2nd Qtr. 2017
<b>Location:</b>	City-wide		

**Description:** 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. The average age of the City's sanitary sewer pump stations is approximately 30 years. Electrical and mechanical components should be rehabilitated or replaced at a minimum every 25 years.

**Justification:** Redesigning and/or replacing aging pump stations will achieve cost savings and enhance the efficiency of the sanitary sewer system.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	199			22					22		221
Design	842		50	165					165		1,057
Bid & Award	1		10	10					10		21
Construction	596	6,909	4,449	891					891		5,936
Post Construction				10					10		10
TOTAL	1,638	6,909	4,509	1,098					1,098		7,245

#### FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	1,638	6,909	4,509	1,098					1,098		7,245
TOTAL	1,638	6,909	4,509	1,098					1,098		7,245

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

2010-2014 CIP - Increase of \$500,000 to rehabilitate additional sanitary sewer pump stations.  
 2011-2015 CIP - Increase of \$500,000 to rehabilitate additional sanitary sewer pump stations.  
 2012-2016 CIP - Increase of \$8.0 million to rehabilitate additional sanitary sewer pump stations.  
 2013-2017 CIP - Decrease of \$2.9 million because a portion of the work in this project will now be addressed under the new Cast Iron Pipe - Remove and Replace project.  
 2014-2018 CIP - Increase of \$1.2 million to rehabilitate additional sanitary sewer pump stations.  
 2016-2020 CIP - Increase of \$890,000 to rehabilitate additional sanitary sewer pump stations.  
 2017-2021 CIP - Decrease of \$1.4 million due to changes in project scope and the reallocation of \$2.4 million to establish the Montague Sanitary Sewer Pump Station Reserve.

**Notes:**

<b>FY Initiated:</b>	2008-2009	<b>Appn. #:</b>	6527
<b>Initial Project Budget:</b>	\$500,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 15. Reinforced Concrete Pipe Rehabilitation Program

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**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.

**Justification:** There are approximately 70,000 feet of RCP pipes in the City that may require lining or rehabilitation to prevent them from being corroded. All RCP lines requiring rehabilitation will be repaired or lined as they are identified.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
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		315	315	315	315	315	315	315	1,575		
Post Construction		5	5	5	5	5	5	5	25		
<b>TOTAL</b>		<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,500</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund		500	500	500	500	500	500	500	2,500
<b>TOTAL</b>		<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,500</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	7361
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 16. Spreckles Sanitary Sewer Force Main Supplement, Phase II

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	3rd Qtr. 2013
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	2nd Qtr. 2015
<b>Council District:</b>	4	<b>Revised Completion Date:</b>	2nd Qtr. 2017
<b>Location:</b>	Within the westerly side of the Regional Wastewater Facility off of Los Esteros Road in the Alviso area		
<b>Description:</b>	The project funds the installation of 2,200 feet of new force main pipe along the westerly side of the Regional Wastewater Facility property. There will be two trenchless crossings required.		
<b>Justification:</b>	This project reduces the frequency of maintenance activity performed by the Department of Transportation.		

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	99										99
Design	323	56	56								379
Bid & Award		15	15								15
Construction		2,770	2,770	308					308		3,078
Post Construction		18	18	17					17		35
<b>TOTAL</b>	<b>422</b>	<b>2,859</b>	<b>2,859</b>	<b>325</b>					<b>325</b>		<b>3,606</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	422	2,859	2,859	325					325		3,606
<b>TOTAL</b>	<b>422</b>	<b>2,859</b>	<b>2,859</b>	<b>325</b>					<b>325</b>		<b>3,606</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

2015-2019 CIP - Increase of \$146,000 due to an adjusted estimate based on the completed Spreckles Force Main project.  
 2016-2020 CIP - Increase of \$1.2 million to accommodate rerouting of the force main in the Regional Wastewater Facility due to conflict with other pipelines and future development in the facility.  
 2017-2021 CIP - Increase of \$269,000 due to a refined annual estimate.

**Notes:**

<b>FY Initiated:</b>	2013-2014	<b>Appn. #:</b>	7616
<b>Initial Project Budget:</b>	\$1,988,000	<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Construction Projects

### 17. Urgent Rehabilitation and Repair Projects

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Public Works	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	City-wide	<b>Revised Completion Date:</b>	
<b>Location:</b>	City-wide		

**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.

**Justification:** This allocation is required due to the structural deterioration of aging sewers.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development											
Property & Land											
Design		800	500	600	600	300	400	300	2,200		
Bid & Award		40	40	40	40	40	40	40	200		
Construction		7,020	7,320	7,340	7,340	4,650	5,550	4,650	29,530		
Post Construction				20	20	10	10	10	70		
<b>TOTAL</b>		<b>7,860</b>	<b>7,860</b>	<b>8,000</b>	<b>8,000</b>	<b>5,000</b>	<b>6,000</b>	<b>5,000</b>	<b>32,000</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		7,860	7,860	8,000	8,000	5,000	6,000	5,000	32,000		
<b>TOTAL</b>		<b>7,860</b>	<b>7,860</b>	<b>8,000</b>	<b>8,000</b>	<b>5,000</b>	<b>6,000</b>	<b>5,000</b>	<b>32,000</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. Prior to 2012-2013, this project was titled "Miscellaneous Rehabilitation Projects".

<b>FY Initiated:</b>	Ongoing	<b>Appn. #:</b>	4271
<b>Initial Project Budget:</b>		<b>USGBC LEED:</b>	N/A

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Non-Construction Projects

### 18. Fee Administration

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**Description:** This allocation provides funding for the Public Works Development Program to collect Sanitary Sewer Connection Fees.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		81	81	84	84	84	85	85	422		
TOTAL		81	81	84	84	84	85	85	422		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		81	81	84	84	84	85	85	422		
TOTAL		81	81	84	84	84	85	85	422		

**Notes:**  
 Selected budget information is not provided due to the ongoing nature of this project.

**Appn. #:** 5241

### 19. Flow Monitoring Program (Master Planning)

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		3,103	1,903	760	760	770	780	780	3,850		
TOTAL		3,103	1,903	760	760	770	780	780	3,850		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		1,221	821	400	100	100	100	100	800		
Sewer Service And Use Charge Capital Improvement Fund		1,882	1,082	360	660	670	680	680	3,050		
TOTAL		3,103	1,903	760	760	770	780	780	3,850		

**Notes:**  
 Selected budget information is not provided due to the ongoing nature of this project.

**Appn. #:** 4964, 4696

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Non-Construction Projects

### 20. Infrastructure - Sanitary Sewer Condition Assessment

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		4,520	4,520	3,000	3,000	3,000	3,000	3,000	15,000		
<b>TOTAL</b>		<b>4,520</b>	<b>4,520</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>15,000</b>		
FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		4,520	4,520	3,000	3,000	3,000	3,000	3,000	15,000		
<b>TOTAL</b>		<b>4,520</b>	<b>4,520</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>15,000</b>		

**Notes:**

Selected budget information is not provided due to the ongoing nature of this project. Prior to 2012-2013, this was a finite project, but was made an ongoing project due to ongoing needs for condition assessment, particularly in light of State Water Board and Environmental Protection Agency requirements.

**Appn. #:** 6521

### 21. Master Planning Updates

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		1,686	1,086	1,200	1,230	1,264	1,290	1,326	6,310		
<b>TOTAL</b>		<b>1,686</b>	<b>1,086</b>	<b>1,200</b>	<b>1,230</b>	<b>1,264</b>	<b>1,290</b>	<b>1,326</b>	<b>6,310</b>		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		667	367	300	100	100	100	100	700		
Sewer Service And Use Charge Capital Improvement Fund		1,019	719	900	1,130	1,164	1,190	1,226	5,610		
<b>TOTAL</b>		<b>1,686</b>	<b>1,086</b>	<b>1,200</b>	<b>1,230</b>	<b>1,264</b>	<b>1,290</b>	<b>1,326</b>	<b>6,310</b>		

**Notes:**

Selected budget information is not provided due to the ongoing nature of this project.

**Appn. #:** 7242

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Non-Construction Projects

### 22. Payments to West Valley Sanitation District

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Transfer to Other Agencies		10	10	10	10	10	10	10	50		
<b>TOTAL</b>		<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>50</b>		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		10	10	10	10	10	10	10	50		
<b>TOTAL</b>		<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>50</b>		

**Notes:**  
 Selected budget information is not provided due to the ongoing nature of this project.

**Appn. #:** 4230

### 23. Permit Review and Inspection for Outside Agencies

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**Description:** This allocation provides for the review and inspection of projects for the Santa Clara Valley Water District (SCVWD) by City staff. As is customary practice between public agencies, as well as State law, the City and SCVWD do not charge one another for these services.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		50	50	50	25	25	25	25	150		
<b>TOTAL</b>		<b>50</b>	<b>50</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>150</b>		
FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		50	50	50	25	25	25	25	150		
<b>TOTAL</b>		<b>50</b>	<b>50</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>150</b>		

**Notes:**  
 Selected budget information is not provided due to the ongoing nature of this project. This project was previously titled "Permit Review and Inspection for SCVWD".

**Appn. #:** 5149

**Sanitary Sewer System**  
**2017-2021 Proposed Capital Improvement Program**  
**Detail of Non-Construction Projects**

**24. Preliminary Engineering**

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**Description:** This allocation provides funding to support preliminary engineering for sanitary sewer-related projects, including surveys and evaluations of project impacts on the sanitary sewer system.

<b>EXPENDITURE SCHEDULE (000'S)</b>											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		950	950	950	950	950	950	950	4,750		
<b>TOTAL</b>		<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>4,750</b>		
<b>FUNDING SOURCE SCHEDULE (000'S)</b>											
Sanitary Sewer Connection Fee Fund		100	100	50	50	50	50	50	250		
Sewer Service And Use Charge Capital Improvement Fund		850	850	900	900	900	900	900	4,500		
<b>TOTAL</b>		<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>950</b>	<b>4,750</b>		

**Notes:**  
Selected budget information is not provided due to the ongoing nature of this project.  
**Appn. #:** 4284

**25. Program Management**

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**Description:** This allocation funds the administration and management of the Sanitary Sewer Capital Improvement Program.

<b>EXPENDITURE SCHEDULE (000'S)</b>											
Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		475	475	300	300	300	300	300	1,500		
<b>TOTAL</b>		<b>475</b>	<b>475</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,500</b>		
<b>FUNDING SOURCE SCHEDULE (000'S)</b>											
Sanitary Sewer Connection Fee Fund		190	190	50	50	50	50	50	250		
Sewer Service And Use Charge Capital Improvement Fund		285	285	250	250	250	250	250	1,250		
<b>TOTAL</b>		<b>475</b>	<b>475</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,500</b>		

**Notes:**  
Selected budget information is not provided due to the ongoing nature of this project.  
**Appn. #:** 4286



# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program Detail of Non-Construction Projects

### 26. Public Works Engineering Services Equipment (Materials Lab)

**CSA:** Environmental and Utility Services  
**CSA Outcome:** Reliable Utility Infrastructure  
**Department:** Public Works  
**Description:** This ongoing allocation funds the purchase of equipment necessary to perform quality assurance testing on materials used in sewer rehabilitation projects.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Equipment		40	40	40	40	40	40	40	200		
<b>TOTAL</b>		<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>200</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		40	40	40	40	40	40	40	200		
<b>TOTAL</b>		<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>200</b>		

**Notes:**

Selected budget information is not provided due to the ongoing nature of this project.

**Appn. #:** 4135

# 2016-2017 CAPITAL BUDGET

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## 2017-2021 CAPITAL IMPROVEMENT PROGRAM

### SANITARY SEWER SYSTEM

#### SUMMARY OF PROJECTS THAT START AFTER 2016-2017

#### SUMMARY OF RESERVES

*The Summary of Projects that Start after 2016-2017 includes those projects that have funding budgeted starting after 2016-2017. The Summary of Reserves includes all reserves budgeted within the Five-Year Capital Improvement Program. On the Use of Funds statement, the projects in these summaries are not numbered.*

# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Summary of Projects that Start after 2016-2017

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<b>Project Name:</b>	<b>Almaden Supplement Sewer Rehabilitation (North)</b>	<b>Initial Start Date:</b>	3rd Qtr. 2010
<b>5-Year CIP Budget:</b>	\$2,730,000	<b>Revised Start Date:</b>	3rd Qtr. 2020
<b>Total Budget:</b>	\$2,960,000	<b>Initial End Date:</b>	2nd Qtr. 2011
<b>Council District:</b>	3, 7	<b>Revised End Date:</b>	2nd Qtr. 2021
<b>USGBC LEED:</b>	N/A		

**Description:** This project will rehabilitate approximately 3,690 feet of 42-inch and 48-inch diameter reinforced concrete pipe with a cured-in-place pipe liner located on East Alma Avenue between Monterey Highway and South 9th Street.

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<b>Project Name:</b>	<b>Fourth Major Interceptor, Phase VIIA</b>	<b>Initial Start Date:</b>	3rd Qtr. 2013
<b>5-Year CIP Budget:</b>	\$5,500,000	<b>Revised Start Date:</b>	3rd Qtr. 2018
<b>Total Budget:</b>	\$5,500,000	<b>Initial End Date:</b>	2nd Qtr. 2015
<b>Council District:</b>	3	<b>Revised End Date:</b>	2nd Qtr. 2020
<b>USGBC LEED:</b>	N/A		

**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.

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<b>Project Name:</b>	<b>Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements</b>	<b>Initial Start Date:</b>	3rd Qtr. 2012
<b>5-Year CIP Budget:</b>	\$3,467,000	<b>Revised Start Date:</b>	3rd Qtr. 2017
<b>Total Budget:</b>	\$3,621,000	<b>Initial End Date:</b>	2nd Qtr. 2014
<b>Council District:</b>	1	<b>Revised End Date:</b>	2nd Qtr. 2019
<b>USGBC LEED:</b>	N/A		

**Description:** This project upsizes approximately 5,060 feet of 6-inch, 8-inch, and 10-inch sanitary sewer pipes along Virginia Avenue from Bucknall Road to Rincon Avenue, along Rincon Avenue from Virginia Avenue to Via Napoli, along Middleton Drive from Rincon Avenue to Valerie Drive, along Valerie Drive from Middletown Drive to Twyla Lane, along Twyla Lane from Valerie Drive to Twyla Court, and on Twyla Court.

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# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Summary of Projects that Start after 2016-2017

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<b>Project Name:</b>	<b>Westmont Avenue and Harriet Avenue Sanitary Sewer Improvements</b>	<b>Initial Start Date:</b>	3rd Qtr. 2014
<b>5-Year CIP Budget:</b>	\$4,075,000	<b>Revised Start Date:</b>	3rd Qtr. 2017
<b>Total Budget:</b>	\$4,075,000	<b>Initial End Date:</b>	2nd Qtr. 2017
<b>Council District:</b>	1	<b>Revised End Date:</b>	2nd Qtr. 2020
<b>USGBC LEED:</b>	N/A		

**Description:** This project will install 6,360 linear feet of new 21-inch sanitary sewer and 300 linear feet of new 12-inch double barrel siphon along Westmont Avenue from San Tomas Aquino Creek to Harriet Avenue, and along Harriet Avenue from Westmont Avenue to San Tomas Aquino Creek.

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# Sanitary Sewer System

## 2017-2021 Proposed Capital Improvement Program

### Summary of Reserves

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<b>Project Name:</b>	<b>Montague Sanitary Sewer Pump Station Reserve</b>	<b>Initial Start Date:</b>	N/A
<b>5-Year CIP Budget:</b>	\$2,400,000	<b>Revised Start Date:</b>	
<b>Total Budget:</b>	\$2,400,000	<b>Initial End Date:</b>	N/A
<b>Council District:</b>	4	<b>Revised End Date:</b>	
<b>USGBC LEED:</b>	N/A		

**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.

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