



2011-2012 CAPITAL BUDGET

2012-2016 CAPITAL IMPROVEMENT PROGRAM

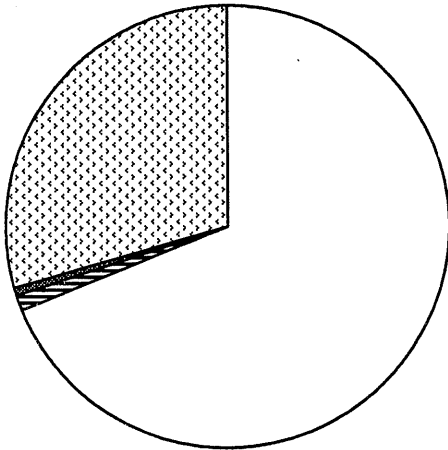


SANITARY
SEWER SYSTEM

SANITARY SEWER SYSTEM

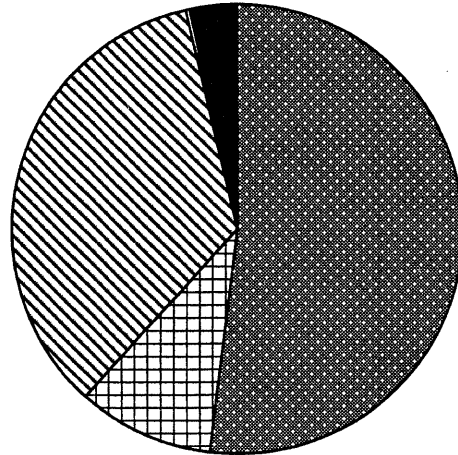
2012-2016 Capital Improvement Program

2011-2012 Adopted
Source of Funds



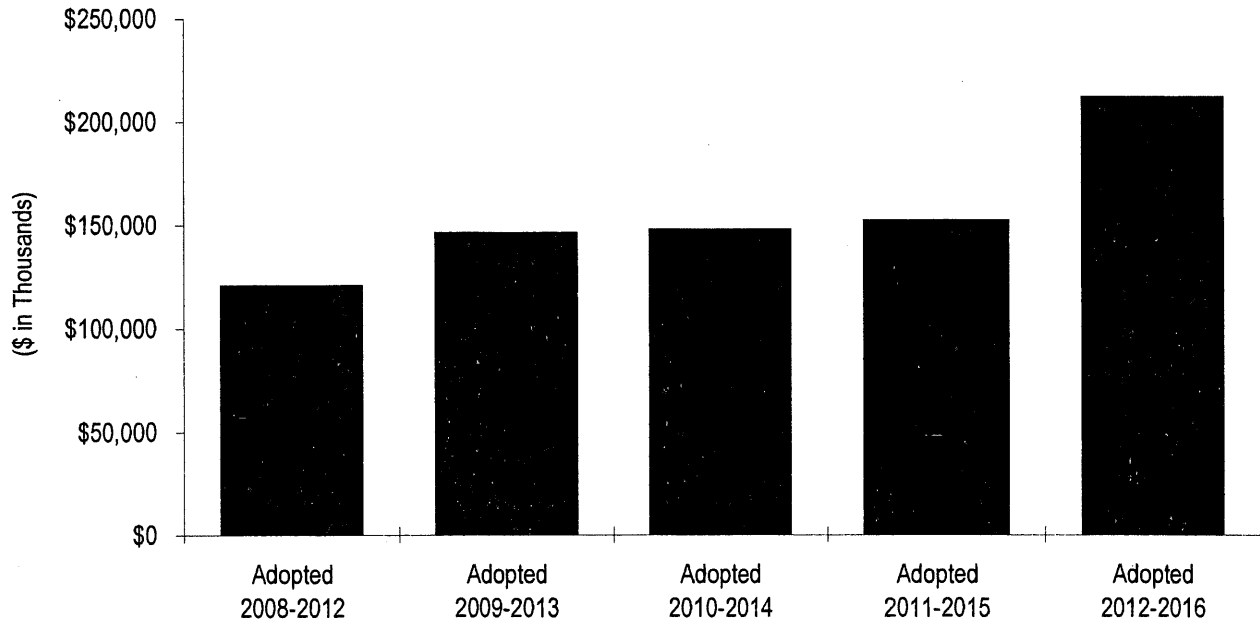
- Beginning Fund Balance
- ▨ Other Government Agencies
- ▩ Taxes, Fees and Charges
- ▧ Loans & Transfers
- Interest

2011-2012 Adopted
Use of Funds



- ▩ Construction
- ▧ Non-Construction
- Ending Fund Balance
- ▨ Loans & Transfers
- Reserves

CIP History



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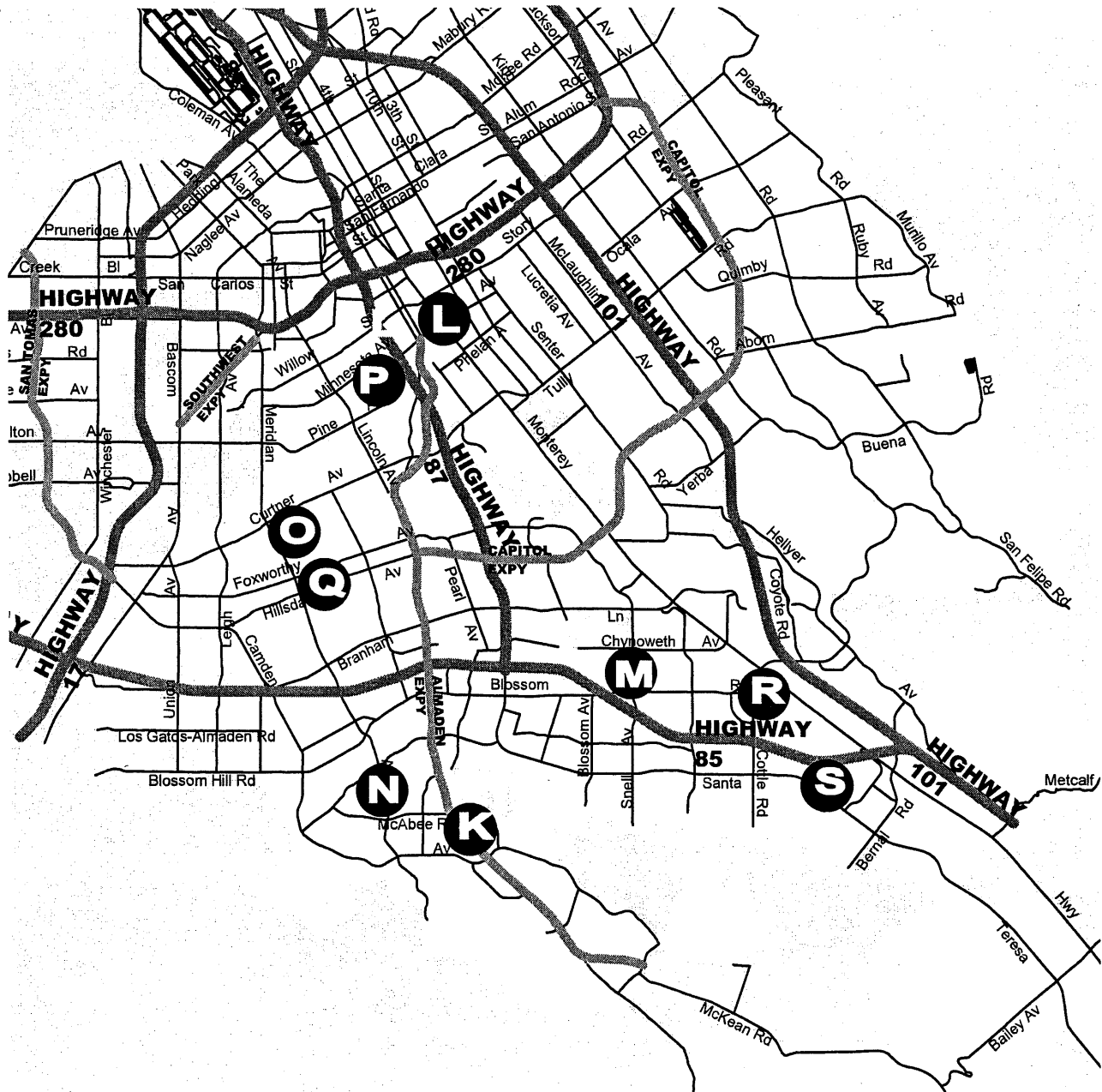
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Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

2011-2012 Project Approximate Locations: (South)

- | | |
|---|---|
| K) Almaden Expressway Sanitary Sewer Improvements | O) Husted-Richland Sanitary Sewer Rehabilitation |
| L) Almaden Rd. Supplement Sewer Rehabilitation (North) | P) Mackey Ave. Sanitary Sewer Rehabilitation |
| M) Blossom Hill Rd. Supplement | Q) Myrtle Ave. Sanitary Sewer Improvements |
| N) Coleman Rd. Sanitary Sewer Improvements | R) Monterey-Riverside Relief Sanitary Sewer |
| | S) Monterey-Riverside Sanitary Sewer, Phase V |



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Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Introduction

The Sanitary Sewer System of the City of San José consists of approximately 2,200 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 and County Sanitation District 2-3, and conveys sewage to the San José/Santa Clara Water Pollution Control Plant (WPCP). The replacement value of the system is estimated at approximately \$3.5 billion.

The 2012-2016 Adopted Capital Improvement Program (CIP) provides funding of \$212.4 million, of which \$105.8 million is allocated in 2011-2012.

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 majority of funds in the Sanitary Sewer System Capital Program are used to construct sewer improvement projects. Construction projects in the Adopted CIP fall into one of two categories: (a) enhance sewer capacity to meet economic development; or (b) rehabilitate existing sewers, with higher priorities given to those with extensive, severe deterioration.

Capacity Improvement projects are selected using a computerized sewer flow model (which utilizes the San José 2020 General Plan to project sewage flows in the system), City maintenance records, and flow monitoring to identify sewer capacity constraints. Expenditures for Capacity Improvement projects, excluding any reserves, total \$103.2

million, or roughly 61% of construction projects in this CIP.

Rehabilitation projects are selected based on hydrogen sulfide studies (that analyze pipe corrosion), condition assessment studies, maintenance records and reports, and actual pipe failures, whether due to pipe corrosion or other physical deficiencies. The actual condition of candidate projects is verified by internal videotape inspections, which are then evaluated to establish project priorities. Programmed expenditures for rehabilitation projects, excluding reserves, total \$66.1 million over the next five years, or roughly, 39% of construction projects in this CIP.

Sources of Funding

The primary funding sources for the 2012-2016 Adopted Sanitary Sewer System CIP are the Sewer Service and Use Charge (SS&UC) Fee, Sanitary Sewer Connection Fees, as well as "Joint Participation" contributions from the County Sanitation Districts 2-3 and the West Valley Sanitation District for the share of these Districts' use of San José sewer lines. Among these revenues, the SS&UC fees continue to be the primary funding source for the program. The 2011-2012 transfer of \$31.0 million from the Sewer Service and Use Charge Fund for capital projects will almost double the amount programmed for 2011-2012 in the 2011-2015 Adopted CIP. The transfer is expected to remain at \$25.0 million for the remaining years of the Adopted 2012-2016 CIP. The increased funding for capital projects will allow the department to perform more required rehabilitation of the aging system and continue to meet the capacity and rehabilitation needs of the sanitary system. The overall funding level in this CIP includes an approved 3% rate increase in SS&UC fees in 2011-2012, and assumes increases between

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Sources of Funding (Cont'd.)

3% and 5% in future years. The outyear increases will be evaluated during future budget processes. These increases would continue to fund the projects in this Sanitary Sewer System Program as well as the Water Pollution Control CIP.

The Sanitary Sewer Connection Fee is charged to developers for connecting to the City's sewer system. The fees collected may only be used for the construction and reconstruction (including land acquisition) of the San José sanitary sewer system. Fee revenue is a reflection of the number of single and multi-family residential units built and the acres developed on commercial and industrial properties. Sanitary Sewer Connection Fee revenues are projected to remain close to current levels of \$525,000 to \$550,000 annually through the 2012-2016 Adopted CIP, reflecting expectations that housing development will continue at the current pace. These revenues total \$2.7 million in the 2012-2016 Adopted CIP, which represents a \$600,000 (29%) increase from the 2011-2015 Adopted CIP estimate of \$2.1 million.

"Joint Participation" contributions are based on the eligible project expenditures within the five-year CIP and the percentage of reserved capacity of the joint sewer of the participating agency. These contributions total \$3.3 million in the 2012-2016 Adopted CIP, which represents an 8% decrease from the 2011-2015 Adopted CIP estimate of \$3.6 million because fewer projects are programmed for areas that are served by participating agencies.

Program Highlights

Interceptor System Construction and Rehabilitation

In general, an interceptor can be defined as a large pipe built by the City to serve as an arterial collector. Interceptors are expected to carry flows from the collector sewers in the drainage basin to the point of treatment or disposal of the wastewater. These sewers normally follow valleys or natural streambeds of the drainage area. The North San José Interceptor System is a collection of very large sanitary sewer pipes with diameters ranging from 54 inches to 90 inches. Three interceptor sewers, with an additional interceptor currently under construction, define the North San José Interceptor System. The system is generally located on Fourth Street and Zanker Road in North San José and collects sewage from all the area-wide and local sewer systems of the City, conveying it to the Water Pollution Control Plant (WPCP).

The North San José Interceptor System Master Plan was drafted in 1986, and an update of the plan was completed in 2002. The update was necessary due to significant changes in the system's hydraulics and in the condition of the sewer infrastructure (pipeline and junction structures). The updates, entitled *San José North Interceptor Facility Plan Report*, assessed the hydraulic conditions of the large sewers, determined the level of corrosion in the pipelines, and validated capacity of the system.

The Master Plan recommendations for programmed rehabilitation and construction of new sewer interceptors have been incorporated into the 2012-2016 Adopted CIP and will be referred to in the preparation of subsequent CIPs.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Interceptor System Construction and Rehabilitation (Cont'd.)

Capital improvements to the interceptor system consist of large inter-related projects that must be staged in a specified sequence for logical construction of the system. In addition, construction of these projects must be staged so that the discharge flow cap placed on the WPCP will not be exceeded.

Presently, the City has three major sewer interceptors that originate at the intersection of Seventh and Empire Streets and continue northward to the WPCP, mostly along the full length of Zanker Road. A new Fourth Major Interceptor is also presently under construction. The three older interceptors are referred to by the following names:

- The 60-inch Brick Interceptor, which is approximately 100 years old;
- The 60-inch Reinforced Concrete Pipe (RCP) Interceptor, which was installed in the 1960s; and
- The 84-inch RCP Interceptor, installed in the 1970s.

The status of the interceptor improvements is as follows:

60-Inch Brick Interceptor

Completed Phases:

- Phase I and II, between the WPCP and Tasman Drive, was completed in March 2007.
- Phase III, between Tasman and Daggett Drives was rehabilitated in 2002.

- Phase IV, from Daggett Drive to Trimble Road, was replaced in conjunction with Phase IV of the Fourth Interceptor in 2000.

- Phase V, from Trimble Road to Old Bayshore Highway, was completed in 2003 in conjunction with the construction of Phase V of the Fourth Interceptor project.

Phases to be Completed:

- Phase VI, from Old Bayshore Highway to Commercial Street will construct a new interceptor or upsize the current sewer. Project design is scheduled to be completed in 2011-2012. The 2012-2016 Adopted CIP includes \$36.4 million for this project.

Fourth Major Interceptor

Completed Phases:

- Phases I, II, III, and IV were constructed between the WPCP and Trimble Road between 1989 and 2000.
- Phase V, between Trimble Road and Old Bayshore Highway, was completed in September 2003.
- Phase IIB, which began in 2009 and is scheduled to be completed in 2012, will rehabilitate approximately 2,500 linear feet of 84-inch diameter reinforced concrete pipe along Zanker Road between Structure A and Holger Way.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Fourth Major Interceptor (Cont'd.)

Phases to be Completed:

- Phase IIIB, which is scheduled to begin in 2015-2016, will rehabilitate approximately 5,900 feet of 84-inch diameter reinforced concrete pipe along Zanker Road between Structure A and Daggett Drive.
- Completion of Phase VIA, located on 4th Street between Old Bayshore Highway and Commercial Street, is to coincide with the work for the 60-inch Brick Interceptor, which began design work in 2009-2010.
- Phase VIIA, located on 5th street between Commercial and Empire is the last phase of the Fourth Major Interceptor, to be initiated in 2013-2014.

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 to ensure continuous reliability of the interceptor system.

The 60-Inch and 84-Inch RCP interceptors are relatively new in comparison to the 60-Inch Brick system. As such, no rehabilitation is currently planned. The overall condition and structural integrity will be monitored and rehabilitation of these systems will be programmed as necessary.

Other Highlights

The City's last comprehensive planning study of the sanitary sewer system was based on the 1975 General Plan, and completed in 1979. In fall 2002 the City initiated a new Sanitary Sewer Master Plan. The new San José Sanitary Sewer Master Plan for the north, south, and central areas was completed in June 2004. The Sanitary Sewer Master Plan for the east and west areas is to be completed in late 2011. Once the Master Plan is completed, it will help identify sewer capacity deficiencies in the existing system and project additional capacities required to meet future demand.

In addition to the interceptor projects, which represent \$46.1 million, or just under half of the capacity improvement projects in the CIP, funding toward additional capacity improvement, rehabilitation, and other projects is included in this document.

Total funding of \$51.1 million over five years is included for other capacity improvement projects. The projects were identified as "high-priority" from the results of the Phase I Capacity Study that was completed in June 2004 to assess sanitary sewer capacity necessary to support future economic development in the area. Major capacity improvement allocations outside of the interceptor projects include the Lamplighter Relief Pump Station Force Main, the 30" Old Bayshore Supplement, and Miscellaneous Projects.

The Miscellaneous Projects program is utilized to address immediate repairs to the sanitary sewer system, which are identified by the Department of Transportation. These repairs typically include a capacity

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Other Highlights (Cont'd.)

enhancement aspect, such as upsizing existing deteriorated sewers.

In the Adopted CIP, funding totaling \$66.1 million is programmed for sewer rehabilitation city-wide. Older neighborhoods benefit from the rehabilitation program because of the age and structural deterioration of their local sewers. The sewers in these neighborhoods may also warrant upsizing or downsizing to reflect changes in the drainage basin, sewage flows, and flow patterns over time. Major rehabilitation projects included in this CIP include Condition Assessment Sewer Repairs, Miscellaneous Rehabilitation Projects, Rehabilitation of Sanitary Sewer Pump Stations, the Reinforced Concrete Pipe Rehabilitation Program, and the Inflow and Infiltration (I&I) Reduction program.

The Condition Assessment Sewer Repairs allocation will fund development and implementation of contracts to identify and repair damaged pipe in the sanitary sewer system. The Miscellaneous Rehabilitation Program is utilized to address immediate repairs to the sanitary sewer system which are identified by the Department of Transportation. The Rehabilitation of Sanitary Sewer Pump Stations allocation will fund the assessment and rehabilitation or replacement of electrical and mechanical components of the City's 15 sanitary sewer pump stations. The Reinforced Concrete Pipe Rehabilitation Program will be utilized to investigate the structural condition of reinforced concrete pipe in the system, and to rehabilitate this pipe as necessary.

The I&I Reduction Program is intended to rehabilitate portions of the sewer system where groundwater and other sources of water (besides sewage) enter the sewers. Preventing water from entering the sewers decreases the flow to the WPCP and helps continue to meet the discharge flow cap. The program operates in conjunction with the Flow Monitoring Program to identify areas of the system that have substantial I&I, construct improvements to reduce I&I, and measure the reduction in flow following those improvements.

Other significant projects include the Sanitary Sewer System Flow Monitoring and Master Planning Program. The Flow Monitoring and Master Planning Program supplements the number of sites where the City may monitor sewer system flow rates. This information will be useful in daily operations and maintenance activities, the master planning of the sanitary sewer system, and sewage diversion operations. In diversion operations, City staff or contractors divert sewage flows from one line to another so that a sewer may be replaced or rehabilitated. Data from the flow monitoring program aids in confirming that the adjacent system is capable of conveying the additional flow without creating a sanitary sewer overflow.

This Adopted CIP also establishes a Reserve for Rehabilitation and Repair (\$3.5 million). This Reserve may be allocated for these purposes beginning in 2011-2012, if rehabilitation and repair needs exceed expectations and programmed funds.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Major Changes from the 2011-2015 Adopted CIP

Major changes from the 2011-2015 Adopted CIP include the following:

- A reduction of \$5.0 million for Inflow and Infiltration Reduction.
- A reduction of \$2.5 million for the ongoing Miscellaneous Projects allocation.
- A reduction of \$2.5 million for the 30" Old Bayshore Rehabilitation project.
- A reduction of \$1.7 million for the ongoing Miscellaneous Rehabilitation Projects allocation.
- An increase of \$17.7 million for work on the 60" Brick Interceptor.
- A new ongoing appropriation in the amount of \$13.0 million for Condition Assessment Sewer Repairs beginning in 2011-2012.
- An increase of \$10.0 million for the Sanitary Sewer Condition Assessments, Phase II project.
- An increase of \$8.0 million for the Rehabilitation of Sanitary Sewer Pump Stations Project.
- A new ongoing appropriation in the amount of \$7.5 million for a Reinforced Concrete Pipe Rehabilitation Program beginning in 2011-2012.
- A new Bollinger Road – Blaney Avenue Sanitary Sewer Improvement project (\$5.4 million) which is programmed to begin in 2015-2016.
- An increase of \$4.6 million for the Master Planning Updates project.
- A new Stevens Creek Boulevard Sanitary Sewer Improvement project (\$3.9 million) programmed to begin in 2015-2016 and end in 2018.
- A new Monterey-Riverside Relief Sanitary Sewer project (\$3.7 million) programmed to begin in 2011-2012.
- A new Rincon-Virginia Avenue Sanitary Sewer Improvement project (\$3.6 million) programmed to begin in 2015-2016 and end in 2018.
- Additional funding of \$3.5 million for the Fourth Major Interceptor Phase IIB/IIIB Project.
- A new East Hills Drive-White Road Sanitary Sewer Improvement project (\$2.5 million) programmed to begin in 2011-2012.
- An increase of \$1.6 million for the Morrill Avenue/Sierra Road Sanitary Sewer Improvements project.

Operating Budget Impact

All the projects in the Adopted Sanitary Sewer 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.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Overview

Council-Approved Revisions to the Adopted Capital Improvement Program

During the June budget hearings, the City Council approved the rebudgeting of \$7.4 million for: Spreckles Sanitary Sewer Force Main Supplement (\$4.0 million), Inflow and Infiltration Reduction (\$500,000), Miscellaneous Rehabilitation Projects (\$500,000), Rehabilitation of Sanitary Sewer Pump Stations (\$400,000), Morrill Avenue/Sierra Road Sanitary Sewer Improvements (\$240,000), Grease Control Pilot (\$230,000), North San José Sanitary Sewer Improvements (\$225,000), Cropley Avenue Sanitary Sewer Improvements (\$200,000), Midtown Sanitary Sewer Improvements (\$200,000), Odor Control Pilot (\$185,000), Myrtle Avenue Sanitary Sewer Improvements (\$180,000), Husted-Richland Sanitary Sewer Improvements (\$150,000), Moorpark-Meridian Trunk Sewer

Rehabilitation, Phase III (\$150,000), University Avenue Sanitary Sewer Replacement (\$100,000), Naglee Avenue Sanitary Sewer Replacement (\$75,000), 60" Brick Interceptor, Phase VIA and VIB (\$50,000), Interceptor Management Plan (\$40,000), and 30" Old Bayshore Rehabilitation (\$30,000). Also approved were a decrease of \$52,000 to the Almaden Expressway Sanitary Sewer appropriation, to account for funding that was already expended in 2010-2011, and the elimination of the Reserve for 60" Brick Interceptor Project (\$29.7 million). Finally, the City Council approved a decrease of \$156,000 to the Public Art appropriation in 2011-2012, and an additional \$331,000 over the remainder of the 5-year CIP, as a result of an additional review of the public art allocation. Further details can be found in Manager's Budget Addendum #40.

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2011-2012 CAPITAL BUDGET

2012-2016 CAPITAL IMPROVEMENT PROGRAM

SANITARY SEWER SYSTEM

SOURCE OF FUNDS

USE OF FUNDS

2011-2012 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 2011-2012 Use of Funds by Funding Source displays the funding sources for the capital expenditures that are budgeted in 2011-2012.

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Source of Funds

SOURCE OF FUNDS	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
<u>Sanitary Sewer Connection Fee Fund</u>							
Beginning Fund Balance	16,822,902	13,073,272	3,732,272	1,290,272	1,004,272	902,272	13,073,272 *
Revenue from Other Agencies:							
<u>Sanitary Sewer Joint Participation</u>							
- CSD 2-3/City Joint Projects	160,000	160,000	160,000	160,000	160,000	160,000	800,000
- WVSD/City Joint Projects	323,000	750,000	1,000,000	750,000			2,500,000
Taxes, Fees and Charges:							
<u>Sanitary Sewer Connection Fees</u>							
	500,000	525,000	525,000	550,000	550,000	550,000	2,700,000
Interest Income	90,000	20,000	41,000	80,000	118,000	168,000	427,000
Reserve for Encumbrances	772,370						
Total Sanitary Sewer Connection Fee Fund	18,668,272	14,528,272	5,458,272	2,830,272	1,832,272	1,780,272	19,500,272 *
<u>Sewer Service and Use Charge Capital Improvement Fund</u>							
Beginning Fund Balance	65,239,829	59,721,312	33,095,312	615,312	1,068,312	1,404,312	59,721,312 *
Revenue from Other Agencies:							
<u>Other Agencies</u>							
- Miscellaneous Revenue	1,261,000	485,000					485,000
Contributions, Loans and Transfers from:							
<u>Special Funds</u>							
- Transfer from Sewer Service and Use Charge Fund	15,575,000	31,000,000	25,000,000	25,000,000	25,000,000	25,000,000	131,000,000
Interest Income	500,000	113,000	140,000	293,000	454,000	652,000	1,652,000
Reserve for Encumbrances	6,213,483						
Total Sewer Service and Use Charge Capital Improvement Fund	88,789,312	91,319,312	58,235,312	25,908,312	26,522,312	27,056,312	192,858,312 *
TOTAL SOURCE OF FUNDS	107,457,584	105,847,584	63,693,584	28,738,584	28,354,584	28,836,584	212,358,584*

* The 2012-2013 through 2015-2016 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
Construction Projects							
1. Public Art	974,000	87,000	408,000	112,000	151,000	103,000	861,000
Capacity Improvement Projects							
Blossom Hill Road Supplement	500,000						
Bollinger Road - Blaney Avenue Sanitary Sewer Improvement						1,250,000	1,250,000
Capitol Avenue Sanitary Sewer Improvements			350,000	1,325,000			1,675,000
Chesbro Avenue Sanitary Sewer Improvements			450,000	1,820,000			2,270,000
Curtner Avenue Sanitary Sewer Improvements			500,000	1,850,000			2,350,000
Edenvale Sanitary Sewer Supplement, Phase VA	10,000						
Fourth Major Interceptor, Phase VIIA				2,200,000	7,500,000		9,700,000
Gold Street Sanitary Sewer Extension	125,000	25,000					25,000
Lamplighter Relief Pump Station and Force Main				3,995,000	6,550,000		10,545,000
Newhall Sanitary Sewer Improvements			2,000,000				2,000,000
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvement						800,000	800,000
Stevens Creek Boulevard Sanitary Sewer Improvement						900,000	900,000
2. 30" Old Bayshore Supplement	6,000	4,558,000	630,000				5,188,000
3. 60" Brick Interceptor, Phase VIA and VIB	2,566,000	225,000	29,700,000			6,500,000	36,425,000
4. Almaden Expressway Sanitary Sewer Improvements	152,000	3,468,000					3,468,000

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Use of Funds

USE OF FUNDS (CONT'D.)	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
Construction Projects							
Capacity Improvement Projects							
5. Coleman Road Sanitary Sewer Improvements	100,000	3,700,000					3,700,000
6. Cropley Avenue Sanitary Sewer Improvements	1,860,000	413,000					413,000
7. East Hills Drive - White Road Sanitary Sewer Improvement		244,000	2,214,000				2,458,000
8. Husted-Richland Sanitary Sewer Improvements	145,000	3,296,000	610,000				3,906,000
9. Midtown Sanitary Sewer Improvements	22,000	200,000					200,000
10. Minnesota Avenue Sanitary Sewer Improvements	100,000	1,830,000					1,830,000
11. Miscellaneous Projects	5,568,000	4,000,000	1,000,000	1,000,000	1,000,000	1,000,000	8,000,000
12. Monterey-Riverside Relief Sanitary Sewer		365,000	3,300,000				3,665,000
13. Morrill Avenue/Sierra Road Sanitary Sewer Improvements	1,446,000	535,000					535,000
14. Myrtle Avenue Sanitary Sewer Improvements	100,000	1,712,000					1,712,000
15. North San José Sanitary Sewer Improvements	31,000	225,000					225,000
Total Capacity Improvement Projects	12,731,000	24,796,000	40,754,000	12,190,000	15,050,000	10,450,000	103,240,000
Rehabilitation Projects							
Hydrogen Peroxide Injection Station	23,000	45,000					45,000
16. 30" Old Bayshore Rehabilitation	80,000	805,000					805,000

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Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
Construction Projects							
Rehabilitation Projects							
17. Almaden Supplement Sewer Rehabilitation (North)	100,000	2,170,000					2,170,000
18. Condition Assessment Sewer Repairs		5,000,000	2,000,000	2,000,000	2,000,000	2,000,000	13,000,000
19. Fourth Major Interceptor, Phase IIB/IIIB	80,000	2,525,000				3,500,000	6,025,000
20. Inflow and Infiltration Reduction	4,154,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	4,500,000
21. Mackey Avenue Sanitary Sewer Rehabilitation	55,000	1,295,000					1,295,000
22. Miscellaneous Rehabilitation Projects	6,486,000	4,500,000	2,000,000	1,500,000	1,500,000	1,500,000	11,000,000
23. Monterey-Riverside Sanitary Sewer, Phase V		402,000	3,330,000				3,732,000
24. Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III	70,000	1,666,000	308,000				1,974,000
25. Naglee Avenue Sanitary Sewer Replacement	332,000	75,000					75,000
26. Race Street Sanitary Sewer Rehabilitation	75,000	462,000					462,000
27. Rehabilitation of Sanitary Sewer Pump Stations	500,000	2,900,000	3,000,000	3,000,000			8,900,000
28. Reinforced Concrete Pipe Rehabilitation Program		2,984,000	1,000,000	1,000,000	1,000,000	1,500,000	7,484,000
29. Spreckles Sanitary Sewer Force Main Supplement	949,000	4,371,000					4,371,000
30. University Avenue Sanitary Sewer Replacement	959,000	297,000					297,000
Total Rehabilitation Projects	13,863,000	29,997,000	12,638,000	8,500,000	5,500,000	9,500,000	66,135,000
Total Construction Projects	27,568,000	54,880,000	53,800,000	20,802,000	20,701,000	20,053,000	170,236,000

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
<u>Non-Construction</u>							
General Non-Construction							
Infrastructure - Sanitary Sewer Condition Assessment	482,000	50,000					50,000
31. Capital Program and Public Works Department Support Service Costs	1,010,000	1,334,000	1,550,000	664,000	640,000	622,000	4,810,000
32. Fee Administration	80,000	81,000	81,000	84,000	84,000	84,000	414,000
33. Flow Monitoring Program (Master Planning)	2,437,000	2,000,000	1,650,000	400,000	400,000	400,000	4,850,000
34. Grease Control Pilot	20,000	230,000					230,000
35. Infrastructure Management System	172,000	35,000	35,000	35,000	35,000	35,000	175,000
36. Interceptor Management Plan	98,000	140,000					140,000
37. Master Planning Updates	170,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	5,500,000
38. Odor Control Pilot	15,000	185,000					185,000
39. Payments to West Valley Sanitation District	10,000	10,000	10,000	10,000	10,000	10,000	50,000
40. Permit Review and Inspection for SCVWD	117,000	75,000	75,000	75,000	75,000	75,000	375,000
41. Preliminary Engineering	700,000	700,000	700,000	700,000	700,000	700,000	3,500,000
42. Program Management	400,000	400,000	400,000	400,000	400,000	400,000	2,000,000
43. Public Works Engineering Services Equipment (Materials Lab)	49,000	40,000	40,000	40,000	40,000	40,000	200,000
44. Sanitary Sewer Condition Assessments - Phase II	1,056,000	3,925,000	2,000,000	2,000,000	1,500,000	1,500,000	10,925,000
Total General Non-Construction	6,816,000	10,305,000	7,641,000	5,508,000	4,984,000	4,966,000	33,404,000

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program

Use of Funds

USE OF FUNDS (CONT'D.)	Estimated 2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	5-Year Total
<u>Non-Construction</u>							
Contributions, Loans and Transfers to General Fund							
Transfer to the General Fund: Human Resources/Payroll System Upgrade		18,000					18,000
Transfer to the General Fund: Interest Income	13,000		2,000	3,000	5,000	6,000	16,000
Total Contributions, Loans and Transfers to General Fund	13,000	18,000	2,000	3,000	5,000	6,000	34,000
Contributions, Loans and Transfers to Special Funds							
Transfer to the City Hall Debt Service Fund	266,000	317,000	345,000	353,000	358,000	362,000	1,735,000
Total Contributions, Loans and Transfers to Special Funds	266,000	317,000	345,000	353,000	358,000	362,000	1,735,000
Reserves							
Reserve for Rehabilitation and Repair		3,500,000					3,500,000
Total Reserves		3,500,000					3,500,000
Total Non-Construction	7,095,000	14,140,000	7,988,000	5,864,000	5,347,000	5,334,000	38,673,000
Ending Fund Balance	72,794,584	36,827,584	1,905,584	2,072,584	2,306,584	3,449,584	3,449,584*
TOTAL USE OF FUNDS	107,457,584	105,847,584	63,693,584	28,738,584	28,354,584	28,836,584	212,358,584*

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* The 2011-2012 through 2014-2015 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
2011-2012 Use of Funds by Funding Source

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
TOTAL RESOURCES	14,528,272	91,319,312	105,847,584
<u>Construction Projects</u>			
1. Public Art		87,000	87,000

Capacity Improvement Projects

Gold Street Sanitary Sewer Extension		25,000	25,000
2. 30" Old Bayshore Supplement	564,000	3,994,000	4,558,000
3. 60" Brick Interceptor, Phase VIA and VIB		225,000	225,000
4. Almaden Expressway Sanitary Sewer Improvements		3,468,000	3,468,000
5. Coleman Road Sanitary Sewer Improvements		3,700,000	3,700,000
6. Cropley Avenue Sanitary Sewer Improvements		413,000	413,000
7. East Hills Drive - White Road Sanitary Sewer Improvement		244,000	244,000
8. Husted-Richland Sanitary Sewer Improvements		3,296,000	3,296,000
9. Midtown Sanitary Sewer Improvements	200,000		200,000
10. Minnesota Avenue Sanitary Sewer Improvements		1,830,000	1,830,000
11. Miscellaneous Projects	1,270,000	2,730,000	4,000,000
12. Monterey-Riverside Relief Sanitary Sewer		365,000	365,000

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program 2011-2012 Use of Funds by Funding Source

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
Construction Projects			
Capacity Improvement Projects			
13. Morrill Avenue/Sierra Road Sanitary Sewer Improvements		535,000	535,000
14. Myrtle Avenue Sanitary Sewer Improvements	1,712,000		1,712,000
15. North San José Sanitary Sewer Improvements	225,000		225,000
Total Capacity Improvement Projects	3,971,000	20,825,000	24,796,000
Rehabilitation Projects			
Hydrogen Peroxide Injection Station		45,000	45,000
16. 30" Old Bayshore Rehabilitation		805,000	805,000
17. Almaden Supplement Sewer Rehabilitation (North)		2,170,000	2,170,000
18. Condition Assessment Sewer Repairs		5,000,000	5,000,000
19. Fourth Major Interceptor, Phase IIB/IIIB	575,000	1,950,000	2,525,000
20. Inflow and Infiltration Reduction		500,000	500,000
21. Mackey Avenue Sanitary Sewer Rehabilitation	1,295,000		1,295,000
22. Miscellaneous Rehabilitation Projects	2,500,000	2,000,000	4,500,000
23. Monterey-Riverside Sanitary Sewer, Phase V		402,000	402,000
24. Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III		1,666,000	1,666,000

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
2011-2012 Use of Funds by Funding Source

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	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<u>Construction Projects</u>			
Rehabilitation Projects			
25. Naglee Avenue Sanitary Sewer Replacement		75,000	75,000
26. Race Street Sanitary Sewer Rehabilitation	462,000		462,000
27. Rehabilitation of Sanitary Sewer Pump Stations		2,900,000	2,900,000
28. Reinforced Concrete Pipe Rehabilitation Program		2,984,000	2,984,000
29. Spreckles Sanitary Sewer Force Main Supplement	40,000	4,331,000	4,371,000
30. University Avenue Sanitary Sewer Replacement		297,000	297,000
Total Rehabilitation Projects	4,872,000	25,125,000	29,997,000
<u>Total Construction Projects</u>	8,843,000	46,037,000	54,880,000
<u>Non-Construction</u>			
General Non-Construction			
Infrastructure - Sanitary Sewer Condition Assessment		50,000	50,000
31. Capital Program and Public Works Department Support Service Costs	265,000	1,069,000	1,334,000
32. Fee Administration	81,000		81,000

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
2011-2012 Use of Funds by Funding Source

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	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<u>Non-Construction</u>			
General Non-Construction			
33. Flow Monitoring Program (Master Planning)	1,000,000	1,000,000	2,000,000
34. Grease Control Pilot		230,000	230,000
35. Infrastructure Management System		35,000	35,000
36. Interceptor Management Plan		140,000	140,000
37. Master Planning Updates	100,000	1,000,000	1,100,000
38. Odor Control Pilot		185,000	185,000
39. Payments to West Valley Sanitation District	10,000		10,000
40. Permit Review and Inspection for SCVWD		75,000	75,000
41. Preliminary Engineering		700,000	700,000
42. Program Management	400,000		400,000
43. Public Works Engineering Services Equipment (Materials Lab)		40,000	40,000
44. Sanitary Sewer Condition Assessments - Phase II		3,925,000	3,925,000
Total General Non-Construction	1,856,000	8,449,000	10,305,000
Contributions, Loans and Transfers to General Fund			
Transfer to the General Fund: Human Resources/Payroll System Upgrade	5,000	13,000	18,000

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program 2011-2012 Use of Funds by Funding Source

	(540) Sanitary Sewer Connection Fee Fund	(545) Sewer Service and Use Charge Capital Improvement Fund	Total
<u>Non-Construction</u>			
Contributions, Loans and Transfers to General Fund			
Total Contributions, Loans and Transfers to General Fund	5,000	13,000	18,000
Contributions, Loans and Transfers to Special Funds			
Transfer to the City Hall Debt Service Fund	92,000	225,000	317,000
Total Contributions, Loans and Transfers to Special Funds	92,000	225,000	317,000
Reserves			
Reserve for Rehabilitation and Repair		3,500,000	3,500,000
Total Reserves		3,500,000	3,500,000
<u>Total Non-Construction</u>	1,953,000	12,187,000	14,140,000
Ending Fund Balance	3,732,272	33,095,312	36,827,584
TOTAL USE OF FUNDS	14,528,272	91,319,312	105,847,584

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2011-2012 CAPITAL BUDGET

2012-2016 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 2011-2012. The Detail of Non-Construction Projects section is abbreviated and provides information on the individual non-construction project, with funding in 2011-2012. On the Use of Funds statement, these projects are numbered.

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

1. Public Art

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Economic Development	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the construction and administration of public art in the Sanitary Sewer Capital Program. In compliance with the Council adoption of the revised Public Art Master Plan on March 13, 2007, one percent of all construction project funding is required to be allocated to public art, excluding funding for seismic and ADA retrofits, maintenance and operations, non-construction projects (such as studies), or affordable housing. Projects where public art allocations were previously programmed or appropriated are not subject to the revisions of the Public Art Master Plan. Expenditures in this allocation will be subject to the legal revenue restrictions for the use of this funding on public art.

Justification: This allocation is required to comply with the revisions to the Public Art Master Plan adopted by the City Council on March 13, 2007.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Public Art		974	974	87	408	112	151	103	861		
TOTAL		974	974	87	408	112	151	103	861		

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		974	974	87	408	112	151	103	861		
TOTAL		974	974	87	408	112	151	103	861		

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.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5957	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

2. 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. 2013
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: This project is required due to structural deterioration of existing sewers.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	132	130	6	124					124		262
Design	14	584		834					834		848
Bid & Award		45		45					45		45
Construction		3,250		3,555	610				4,165		4,165
Post Construction		55			20				20		20
TOTAL	146	4,064	6	4,558	630				5,188		5,340

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	115	64		564					564		679
Sewer Service And Use Charge Capital Improvement Fund	31	4,000	6	3,994	630				4,624		4,661
TOTAL	146	4,064	6	4,558	630				5,188		5,340

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2012-2016 CIP - Increase of \$630,000 to reflect an increase to the scope of the project.

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	Yes
Initial Project Budget:	\$4,854,000	SNI Area:	Thirteenth Street
Appn. #:	6519	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

4. Almaden Expressway Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	10	Revised Completion Date:	
Location:	Almaden Expressway between Camden Avenue and Burnside Drive		

Description: This project funds the replacement of approximately 7,080 feet of existing 6-inch, 8-inch, and 10-inch diameter vitrified clay pipe (VCP) with 8-inch, 10-inch, and 12-inch diameter VCP on Almaden Expressway, between Camden Avenue and Burnside Drive.

Justification: This project is needed to increase capacity in the system to better accommodate existing needs.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		58	58								58
Design		341	94	247					247		341
Bid & Award		13		13					13		13
Construction		2,778		3,198					3,198		3,198
Post Construction		10		10					10		10
TOTAL		3,200	152	3,468					3,468		3,620

FUNDING SOURCE SCHEDULE (000'S)						
Funding Source	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15
Sewer Service And Use Charge Capital Improvement Fund	3,200	152	3,468			
TOTAL	3,200	152	3,468			

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$3,620,000	SNI Area:	N/A
Appn. #:	7248	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

5. Coleman Road Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	10	Revised Completion Date:	
Location:	Coleman Road between Sentinel Street and Almaden Expressway		
Description:	This project funds the replacement of approximately 6,260 feet of existing 8-inch to 10-inch diameter sanitary sewer pipes with 12-inch to 18-inch diameter sanitary sewer pipes on Coleman Road, between Sentinel Street and Almaden Expressway.		
Justification:	Capacity improvement is required in this area of the sanitary sewer system.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		130	100	30					30		130
Design		251		251					251		251
Bid & Award		19		19					19		19
Construction		2,700		3,390					3,390		3,390
Post Construction				10					10		10
TOTAL		3,100	100	3,700					3,700		3,800

FUNDING SOURCE SCHEDULE (000'S)						
Funding Source	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15
Sewer Service And Use Charge Capital Improvement Fund	3,100	100	3,700			
TOTAL	3,100	100	3,700			

ANNUAL OPERATING BUDGET IMPACT (000'S)
None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$3,800,000	SNI Area:	N/A
Appn. #:	7251	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

6. Cropley Avenue Sanitary Sewer Improvements

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2009
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2011
Council District: 4 **Revised Completion Date:** 2nd Qtr. 2012
Location: Cropley Avenue, from Morrill Avenue to Capitol Avenue
Description: This project funds the replacement of approximately 3,400 feet of existing 10-inch diameter main and rehabilitation of 700 feet of 10-inch sewer.
Justification: The existing sanitary sewer pipes in this area need to be replaced or rehabilitated to improve capacity.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	90	50	50								140
Design	87	490	490								577
Bid & Award		20	20								20
Construction		1,500	1,300	407				407	407		1,707
Post Construction				6				6	6		6
TOTAL	177	2,060	1,860	413				413	413		2,450

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	177	2,060	1,860	413				413			2,450
TOTAL	177	2,060	1,860	413				413			2,450

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2011-2015 CIP - Decrease of \$2.3 million due to scope changes.

Notes:

FY Initiated:	2009-2010	Redevelopment Area:	N/A
Initial Project Budget:	\$4,529,000	SNI Area:	N/A
Appn. #:	7078	USGBC LEED:	N/A

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Detail of Construction Projects

7. East Hills Drive - White Road Sanitary Sewer Improvement

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2011
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	
Council District:	5	Revised Completion Date:	2nd Qtr. 2013
Location:	Along East Hills Drive from Mahoney Drive to White Road, and along White Road from East Hills Drive to Jerilyn Drive		
Description:	This project will upsize the existing sewer system by replacing approximately 5,000 linear feet of 8-inch and 10-inch sewer pipes with 10-inch, 12-inch, and 15-inch sewer pipes.		
Justification:	The Sanitary Sewer Master Plan, Phase II identified a need for capacity improvement in this area.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development				36					36		36
Design				200					200		200
Bid & Award				8					8		8
Construction					2,208				2,208		2,208
Post Construction					6				6		6
TOTAL				244	2,214				2,458		2,458

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund											
				244	2,214				2,458		2,458
TOTAL				244	2,214				2,458		2,458

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2011-2012	Redevelopment Area:	N/A
Initial Project Budget:	\$2,458,000	SNI Area:	N/A
Appn. #:	7357	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

8. Husted-Richland Sanitary Sewer Improvements

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2010
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2013
Council District: 6, 9 **Revised Completion Date:**
Location: Husted Avenue from La Mirada to Richland Avenue, and Richland Avenue from Husted Avenue to Curtner Avenue

Description: This project will upsize approximately 2,100 feet of existing 10-inch sewers to 15-inch sewers, and 5,700 feet of existing 10-inch and 12-inch sewers to 18-inch sewers.

Justification: The Sanitary Sewer Master Plan, Phase I, identified a need for capacity improvements in this area.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		100	100								100
Design		180	45	150					150		195
Bid & Award		15		15					15		15
Construction				3,131	575				3,706		3,706
Post Construction					35				35		35
TOTAL		295	145	3,296	610				3,906		4,051

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sewer Service And Use Charge Capital Improvement Fund		295	145	3,296	610				3,906		4,051
TOTAL		295	145	3,296	610				3,906		4,051

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$4,270,000	SNI Area:	N/A
Appn. #:	7254	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

9. Midtown Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2011
Council District:	6	Revised Completion Date:	2nd Qtr. 2012
Location:	"J" shaped area located west of downtown and immediately east of the St. Leo's and Shasta-Hanchett neighborhoods. The area extends from The Alameda to a line south of Auzerais Avenue, and the west to Meridian Avenue south of West San Carlos Street.		
Description:	This allocation funds capacity studies, preliminary engineering, flow monitoring, and the San José share of potential cost sharing arrangements with developers. As specific needs are identified, additional construction funding will be requested for this project, or new projects will be created.		
Justification:	This project will provide adequate sanitary sewer capacity in this area, which has experienced increased development.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		222	22	200					200		222
TOTAL		222	22	200					200		222

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer Connection Fee Fund		222	22	200					200		222
TOTAL		222	22	200					200		222

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$222,000	SNI Area:	N/A
Appn. #:	7243	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

10. Minnesota Avenue Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	6	Revised Completion Date:	
Location:	Bird Avenue between Minnesota Avenue and Willow Street, and Minnesota Avenue between Lincoln Avenue and Bird Avenue		
Description:	This project removes and replaces 2,500 feet of 12-inch sanitary sewer to improve flow between Lincoln and Bird Avenues.		
Justification:	This project replaces the existing aging sewer line with new pipe, 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		50	2								2
Design		275	98	20				20	25		118
Bid & Award		16		25				25	25		25
Construction		1,350		1,775				1,775	1,775		1,775
Post Construction		9		10				10	10		10
TOTAL		1,700	100	1,830				1,830	1,830		1,930

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	1,700	100	1,830	1,830	1,930
TOTAL	1,700	100	1,830	1,830	1,930

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$1,930,000	SNI Area:	N/A
Appn. #:	7256	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

11. Miscellaneous Projects

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

Description: This ongoing allocation funds sanitary sewer capacity improvement projects that are required due to development activities or Traffic Capital Improvement Program projects (i.e. street reconstruction).

Justification: This allocation is required for sewer extensions related to Traffic Capital Improvement Program projects and to construct minor sewer mains to extend and cross-connect existing mains.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		300	300	40	20	20	20	20	120		
Design		700	700	825	275	275	275	275	1,925		
Bid & Award		30	30	36	9	9	9	9	72		
Construction		4,523	4,523	3,075	690	690	690	690	5,835		
Post Construction		15	15	24	6	6	6	6	48		
TOTAL		5,568	5,568	4,000	1,000	1,000	1,000	1,000	8,000		

FUNDING SOURCE SCHEDULE (000'S)											
	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer Connection Fee Fund		1,281	1,281	1,270		970		200	2,440		
Sewer Service And Use Charge Capital Improvement Fund		4,287	4,287	2,730	1,000	30	1,000	800	5,560		
TOTAL		5,568	5,568	4,000	1,000	1,000	1,000	1,000	8,000		

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. In the 2012-2016 CIP, this allocation was decreased by \$2.5 million because some work previously funded out of this appropriation will now be addressed through other projects or allocations used for rehabilitation.

FY Initiated: Ongoing **Redevelopment Area:** N/A
Initial Project Budget: **SNI Area:** N/A
Appn. #: 4272 **USGBC LEED:** N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

12. Monterey-Riverside Relief Sanitary Sewer

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2011
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2013
Council District:	2	Revised Completion Date:	
Location:	Along Cottle Road between Beswick Drive and Monterey Highway		

Description: This project will install approximately 4,100 linear feet of 27-inch vitrified clay pipe (VCP) 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 relieve pressure on 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development				50					50		50
Design				315	400				715		715
Bid & Award					5				5		5
Construction					2,877				2,877		2,877
Post Construction					18				18		18
TOTAL				365	3,300				3,665		3,665

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
				365	3,300				3,665		3,665
TOTAL				365	3,300				3,665		3,665

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

None

Notes:

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

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

13. Morrill Avenue/Sierra Road Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2009
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2011
Council District:	4	Revised Completion Date:	2nd Qtr. 2012
Location:	Sierra Road to Hostetter Road		
Description:	This allocation funds the replacement of 2,900 feet of 8- to 10-inch sewer with 12- to 15-inch sewer, and the installation of 13 manholes.		
Justification:	The existing sanitary sewer pipes in this area need to be upsized to provide adequate capacity.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	27										27
Property & Land	8										8
Design	39	70	30								69
Bid & Award		10	3								3
Construction		1,756	1,413	526				526			1,939
Post Construction				9				9			9
TOTAL	74	1,836	1,446	535				535			2,055

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
	74	1,836	1,446	535					535		2,055
TOTAL	74	1,836	1,446	535					535		2,055

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

2011-2015 CIP - Decrease of \$1.9 million due to changes in project scope.
 2012-2016 CIP - Increase of \$1.6 million due to changes in project scope.

Notes:

FY Initiated:	2009-2010	Redevelopment Area:	N/A
Initial Project Budget:	\$2,400,000	SNI Area:	N/A
Appn. #:	7080	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

14. Myrtle Avenue Sanitary Sewer Improvements

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2010
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2012
Council District: 9 **Revised Completion Date:**
Location: Jacob Avenue between Meridian Avenue and
Jarvis Avenue, and Myrtle Avenue between Jarvis
Avenue and Cherry Avenue

Description: This project improves the capacity of approximately 3,600 linear feet of sewer, increasing the size of the existing 10-inch sewer to a 15-inch sewer main.

Justification: The Sanitary Sewer Master Plan, Phase I identified the sewer main as requiring upsizing.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		74	74								74
Design		175	26	180					180		206
Bid & Award		7		7					7		7
Construction		24		1,518					1,518		1,518
Post Construction				7					7		7
TOTAL		280	100	1,712					1,712		1,812

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	280	100	1,712						1,712		1,812
TOTAL	280	100	1,712						1,712		1,812

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$1,810,000	SNI Area:	N/A
Appn. #:	7244	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

15. North San José Sanitary Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2011
Council District:	4	Revised Completion Date:	2nd Qtr. 2012
Location:	Area north and west of Interstate 880 or the Coyote Creek, east of the Guadalupe River and south of State Highway 237		
Description:	This allocation funds capacity studies, flow monitoring, preliminary engineering, and potential cost sharing arrangements for developer installed improvements. As needs are identified, construction funding will be requested for this project, or new projects will be created.		
Justification:	Development and land use changes that lead to higher sewage generation in the North San José area require that additional sewer capacity be provided.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		256	31	225					225		256
TOTAL		256	31	225					225		256

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund		256	31	225					225		256
TOTAL		256	31	225					225		256

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$256,000	SNI Area:	N/A
Appn. #:	7245	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

16. 30" Old Bayshore Rehabilitation

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2010
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2012
Council District: 4 **Revised Completion Date:**
Location: Old Bayshore Road between Commercial and Zanker Roads
Description: This project rehabilitates approximately 800 linear feet of 30-inch diameter reinforced concrete pipe (RCP).
Justification: This project rehabilitates an existing sewer pipe that is structurally deteriorated.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		64	30								30
Design		222	50	30					30		80
Bid & Award		45		10					10		10
Construction		29		760					760		760
Post Construction				5					5		5
TOTAL		360	80	805					805		885

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sewer Service And Use Charge Capital Improvement Fund		360	80	805					805		885
TOTAL		360	80	805					805		885

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2012-2016 CIP - Decrease of \$2.5 million to reflect a decrease to the scope of the project.

Notes:

FY Initiated: 2010-2011 **Redevelopment Area:** N/A
Initial Project Budget: \$3,360,000 **SNI Area:** N/A
Appn. #: 7247 **USGBC LEED:** N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

17. Almaden Supplement Sewer Rehabilitation (North)

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2011
Council District:	3, 7	Revised Completion Date:	2nd Qtr. 2012
Location:	West Alma Avenue between Pomona Avenue and Monterey Highway, and East Alma Avenue between Monterey Highway and South 9th Street		

Description: This project funds the rehabilitation of approximately 3,690 feet of 42-inch and 48-inch diameter reinforced concrete pipe (RCP) with a cured-in-place pipe liner.

Justification: This project is required due to structural deterioration of existing sewers.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		81	20								20
Design		138	80								80
Bid & Award		6		20					20		20
Construction		1,065		2,140					2,140		2,140
Post Construction		10		10					10		10
TOTAL		1,300	100	2,170					2,170		2,270

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	1,300	100	2,170					2,170		2,270
TOTAL	1,300	100	2,170					2,170		2,270

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2012-2016 CIP - Increase of \$970,000 to reflect an increase to the scope of the project.

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	Yes
Initial Project Budget:	\$1,300,000	SNI Area:	Washington
Appn. #:	7249	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

18. Condition Assessment Sewer Repairs

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

Description: This allocation funds the development and implementation of contracts to identify and repair damaged pipe in the sanitary sewer system. An estimated 500,000 feet of sewer will be inspected and repaired under this program. Areas in which a sewer spill 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development			10	4	4	4	4	4	26		
Design			1,100	440	440	440	440	440	2,860		
Bid & Award			25	10	10	10	10	10	65		
Construction			3,850	1,540	1,540	1,540	1,540	1,540	10,010		
Post Construction			15	6	6	6	6	6	39		
TOTAL				5,000	2,000	2,000	2,000	2,000	13,000		

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	5,000	2,000	2,000	2,000	2,000	2,000	13,000
TOTAL	5,000	2,000	2,000	2,000	2,000	2,000	13,000

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.

FY Initiated:	Ongoing	Redevelopment Area:	Yes
Initial Project Budget:		SNI Area:	Various
Appn. #:	7356	USGBC LEED:	N/A

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program Detail of Construction Projects

19. Fourth Major Interceptor, Phase IIB/IIIB

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2009
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2011
Council District:	4	Revised Completion Date:	2nd Qtr. 2012
Location:	Zanker Road between Holger Way and Daggett Drive		

Description: This allocation funds the rehabilitation of approximately 8,400 linear feet of 84-inch diameter reinforced concrete pipe (RCP) along Zanker Road. Phase IIB of the project is located between Holger Way and De Soto Road, and Phase IIIB represents the stretch of Zanker Road between De Soto Road and Daggett Drive.

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

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	74	20	20					100	100		194
Design	27	150	60	90				600	690		777
Bid & Award		9		9				10	19		19
Construction		2,416		2,416				2,780	5,196		5,196
Post Construction		10		10				10	20		20
TOTAL	101	2,605	80	2,525				3,500	6,025		6,206

FUNDING SOURCE SCHEDULE (000'S)											
Funding Source	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer	101	609	34	575					575		710
Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		1,996	46	1,950				3,500	5,450		5,496
TOTAL	101	2,605	80	2,525				3,500	6,025		6,206

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

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.

Notes:

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

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

20. Inflow and Infiltration Reduction

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

Description: The Inflow and Infiltration Reduction 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 is required to reduce infiltration of groundwater into the sanitary sewer collection systems, 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		176	176		25	25	25	25	100		
Design		770	270	500	170	170	170	170	1,180		
Bid & Award		40	40		10	10	10	10	40		
Construction		3,645	3,645		790	790	790	790	3,160		
Post Construction		23	23		5	5	5	5	20		
TOTAL		4,654	4,154	500	1,000	1,000	1,000	1,000	4,500		

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund		500	500								
Sewer Service And Use Charge Capital Improvement Fund		4,154	3,654	500	1,000	1,000	1,000	1,000	4,500		
TOTAL		4,654	4,154	500	1,000	1,000	1,000	1,000	4,500		

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." In the 2012-2016 CIP, this allocation was decreased by \$5.0 million because prior projects addressed the major sources of Inflow and Infiltration, and future projects are anticipated to be of lesser magnitude.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	6444	USGBC LEED:	N/A

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Detail of Construction Projects

21. Mackey Avenue Sanitary Sewer Rehabilitation

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	6	Revised Completion Date:	
Location:	Mackey Avenue, Dawson Avenue, and Cross Way between Dawson Avenue and Northern Road		
Description:	This project will remove and replace 2,400 feet of 6-inch vitrified clay pipe (VCP) on Mackey Avenue, Dawson Avenue, and Cross Way. It may be necessary to acquire an easement within the Santa Clara Water District, where a portion of the sewer is located, in order to perform the work.		
Justification:	Internal video inspection shows pipe lines with structural defects on these streets. In addition, the siphon may have some structural damage, which requires frequent maintenance.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		7	7								7
Design		122	48	190					190		238
Bid & Award		8		7					7		7
Construction		1,118		1,088					1,088		1,088
Post Construction				10					10		10
TOTAL		1,255	55	1,295					1,295		1,350

FUNDING SOURCE SCHEDULE (000'S)

Sanitary Sewer Connection Fee Fund	1,255	55	1,295	1,295	1,350
TOTAL	1,255	55	1,295	1,295	1,350

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$1,350,000	SNI Area:	N/A
Appn. #:	7241	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

22. Miscellaneous Rehabilitation Projects

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

Description: This ongoing allocation is utilized 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Property & Land											
Design		1,460	1,460	1,000	500	325	325	325	2,475		
Bid & Award		60	60	40	20	15	15	15	105		
Construction		5,466	4,966	3,460	1,480	1,160	1,160	1,160	8,420		
TOTAL		6,986	6,486	4,500	2,000	1,500	1,500	1,500	11,000		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		2,001	1,501	2,500	2,000	500	500		5,500		
Sewer Service And Use Charge Capital Improvement Fund		4,985	4,985	2,000		1,000	1,000	1,500	5,500		
TOTAL		6,986	6,486	4,500	2,000	1,500	1,500	1,500	11,000		

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. In the 2012-2016 CIP, this allocation was decreased by \$1.7 million because some needs previously funded by this allocation will now be addressed through other projects and allocations used for rehabilitation.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4271	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

23. Monterey-Riverside Sanitary Sewer, Phase V

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2011
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2013
Council District:	2	Revised Completion Date:	
Location:	Santa Teresa Boulevard from Encinal Drive to Bayliss Drive		
Description:	This project will rehabilitate approximately 42 manholes, approximately 2,200 linear feet of 24-inch reinforced concrete pipe (RCP), and approximately 9,800 linear feet of 27-inch RCP utilizing a cured-in-place liner.		
Justification:	This project is required due to structural deterioration of the sanitary sewer caused by hydrogen sulfide gas. In addition, the lining of the sewer will prevent ongoing root intrusion into the sanitary sewer.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development				197					197		197
Design				205					205		205
Bid & Award					10				10		10
Construction					3,300				3,300		3,300
Post Construction					20				20		20
TOTAL				402	3,330				3,732		3,732

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund				402	3,330				3,732		3,732
TOTAL				402	3,330				3,732		3,732

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2011-2012	Redevelopment Area:	N/A
Initial Project Budget:	\$3,732,000	SNI Area:	N/A
Appn. #:	7360	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

24. Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2010
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** 2nd Qtr. 2012
Council District: 6 **Revised Completion Date:** 2nd Qtr. 2013
Location: Pedro Street from Meridian Way to Northrup Street and on Northrup Street from Pedro Street to Parkmoor Avenue
Description: This project rehabilitates approximately 2,850 feet of 33-inch diameter reinforced concrete pipe (RCP) with cured-in-place pipe (CIPP) liner on Pedro Street between Meridian Way and Northrup Avenue, and on Northrup Avenue between Parkmoor Avenue and Pedro Street.
Justification: This work is required due to structural deterioration of aging sewers.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		62	62								62
Design		158	8	150					150		158
Bid & Award				16					16		16
Construction				1,500	295				1,795		1,795
Post Construction					13				13		13
TOTAL		220	70	1,666	308				1,974		2,044

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	220	70	1,666	308					1,974		2,044
TOTAL	220	70	1,666	308					1,974		2,044

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated: 2010-2011 **Redevelopment Area:** N/A
Initial Project Budget: \$2,030,000 **SNI Area:** N/A
Appn. #: 7257 **USGBC LEED:** N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

25. Naglee Avenue Sanitary Sewer Replacement

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:	6	Revised Completion Date:	3rd Qtr. 2011
Location:	Naglee Avenue between Bascom Avenue and Chapman Street and Chapman Street between Naglee Avenue and Hedding Street		

Description: This project removes and replaces approximately 3,500 ft. of 6-inch sanitary sewer main, and rehabilitates approximately 1,800 ft. of 6-inch sewer main with cured-in-place pipe liner.

Justification: This project replaces existing aging sewer lines with new pipes and increase the pipe slope to obtain good cleaning velocity, which will minimize frequent maintenance by the Department of Transportation.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		15									15
Design		134									134
Bid & Award		17									17
Construction		830	400	332	68				68		1,230
Post Construction		14	7		7				7		21
TOTAL		1,010	407	332	75				75		1,417

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		1,010	407	332	75				75		1,417
TOTAL		1,010	407	332	75				75		1,417

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:
2011-2015 CIP - Decrease of \$1.7 million due to scope changes.

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$3,149,000	SNI Area:	N/A
Appn. #:	6524	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

26. Race Street Sanitary Sewer Rehabilitation

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	6	Revised Completion Date:	
Location:	Along Arbor Drive and Race Street between Park Avenue and Auzerais Avenue		

Description: This project removes and replaces approximately 533 linear feet of 6-inch diameter cast iron (CI) pipe along Arbor Drive, removes and replaces approximately 467 linear feet of 6-inch and 8-inch diameter vitrified clay pipe (VCP) along Race Street at West San Carlos Street, and rehabilitates a total of eight existing manholes.

Justification: This project is required due to the structural deterioration of existing sewers.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		31	31								31
Design		35	35								35
Bid & Award		9	9								9
Construction				456					456		456
Post Construction				6					6		6
TOTAL		75	75	462					462		537

FUNDING SOURCE SCHEDULE (000'S)										
Sanitary Sewer Connection Fee Fund	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
	75	75	462					462		537
TOTAL	75	75	462					462		537

ANNUAL OPERATING BUDGET IMPACT (000'S)
None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2010-2011	Redevelopment Area:	N/A
Initial Project Budget:	\$575,000	SNI Area:	N/A
Appn. #:	7246	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

27. Rehabilitation of Sanitary Sewer Pump Stations

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. 2009
Council District:	City-wide	Revised Completion Date:	2nd Qtr. 2014
Location:	City-wide		

Description: This allocation is utilized to assess, rehabilitate and/or replace the mechanical and electrical components of the City's 15 sanitary sewer pump stations. The average age of the City's 15 sanitary sewer pump stations is 35 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 system.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		30	30	50	35	35			120		150
Design	99	260	180	680	625	625			1,930		2,209
Bid & Award		10	5	20	15	15			50		55
Construction		1,090	280	2,130	2,310	2,310			6,750		7,030
Post Construction		10	5	20	15	15			50		55
TOTAL	99	1,400	500	2,900	3,000	3,000			8,900		9,499

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
	99	1,400	500	2,900	3,000	3,000			8,900		9,499
TOTAL	99	1,400	500	2,900	3,000	3,000			8,900		9,499

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.

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$500,000	SNI Area:	N/A
Appn. #:	6527	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

28. Reinforced Concrete Pipe Rehabilitation Program

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

Description: This allocation will be utilized 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 will be developed which may contain multiple construction locations. 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.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development			90	35	35	35	52	247			
Design			290	140	140	140	210	920			
Bid & Award			8	5	5	5	8	31			
Construction			2,590	815	815	815	1,222	6,257			
Post Construction			6	5	5	5	8	29			
TOTAL			2,984	1,000	1,000	1,000	1,500	7,484			

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	2,984	1,000	1,000	1,000	1,500	7,484
TOTAL	2,984	1,000	1,000	1,000	1,500	7,484

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

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

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	7361	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

29. Spreckles Sanitary Sewer Force Main 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. 2012
Location:	Spreckles Avenue between Dearborn Street and Los Esteros Road and along Los Esteros Road to the Water Pollution Control Plant		

Description: This project installs a new sanitary sewer force main high density polyethylene pipe parallel to the existing line, rehabilitates the existing pump station, and builds additional manhole access for maintenance purposes.

Justification: Due to the aging existing sanitary sewer force main and the nature of the pipe material (asbestos concrete), a redundant line needs to be installed in order to provide continuous service to the Alviso area without disruptions.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	48	250	250								298
Design	40	663	699	144					144		883
Bid & Award		6		10					10		10
Construction		4,000		4,197					4,197		4,197
Post Construction				20					20		20
TOTAL	88	4,919	949	4,371					4,371		5,408

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Sanitary Sewer		54	14	40					40		54
Connection Fee Fund											
Sewer Service And Use	88	4,865	935	4,331					4,331		5,354
Charge Capital Improvement Fund											
TOTAL	88	4,919	949	4,371					4,371		5,408

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

2010-2014 CIP - Increase of \$648,000 to rehabilitate the Spreckles pump station.
 2011-2015 CIP - Increase of \$1.7 million due to scope changes.

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$2,909,000	SNI Area:	N/A
Appn. #:	6531	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Construction Projects

30. University Avenue Sanitary Sewer Replacement

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. 2011
Council District:	6	Revised Completion Date:	2nd Qtr. 2012
Location:	University Avenue between Bascom Avenue and Chapman Street		
Description:	The project removes and replaces approximately 5,000 linear feet of 6-inch diameter VCP and reinstated sanitary sewer laterals, including appurtenances such as new manholes and pavement restoration.		
Justification:	This project replaces the existing aging sewer line with new pipe and increases the pipe slope to obtain good cleaning velocity, which will reduce the frequency of maintenance by the Department of Transportation.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development	12	12	12								24
Design	217	15	15								232
Bid & Award	18	11	11								29
Construction	15	1,621	921	285					285		1,221
Post Construction				12					12		12
TOTAL	262	1,659	959	297					297		1,518

FUNDING SOURCE SCHEDULE (000'S)

Sewer Service And Use Charge Capital Improvement Fund	262	1,659	959	297					297		1,518
TOTAL	262	1,659	959	297					297		1,518

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2012-2016 CIP - Decrease of \$1.4 million due to changes in the construction method and lower than expected construction bids.

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$2,936,000	SNI Area:	N/A
Appn. #:	6532	USGBC LEED:	N/A

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

31. Capital Program and Public Works Department Support Service Costs

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds capital program and Public Works Department support service costs. Capital program support service costs include the cost of the Capital Project Management System, the bid and award process, labor compliance review, performance measurement reporting, and updates of policies and specifications. Public Works Department support service costs include items such as management, staff support, fiscal services, technical support, and procurement services.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Program Management		1,010	1,010	1,334	1,550	664	640	622	4,810		
TOTAL		1,010	1,010	1,334	1,550	664	640	622	4,810		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		171	171	265	135	57	27	17	501		
Sewer Service And Use Charge Capital Improvement Fund		839	839	1,069	1,415	607	613	605	4,309		
TOTAL		1,010	1,010	1,334	1,550	664	640	622	4,810		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 6000

32. 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Program Management		80	80	81	81	84	84	84	414		
TOTAL		80	80	81	81	84	84	84	414		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		80	80	81	81	84	84	84	414		
TOTAL		80	80	81	81	84	84	84	414		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 5241

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

33. Flow Monitoring Program (Master Planning)

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds the establishment of a city-wide sanitary sewer master plan to identify capacity improvement needs, and provides for future updates, flow analysis, and condition assessments.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		2,437	2,437	2,000	1,650	400	400	400	4,850		
TOTAL		2,437	2,437	2,000	1,650	400	400	400	4,850		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		1,334	1,334	1,000	1,250				2,250		
Sewer Service And Use Charge Capital Improvement Fund		1,103	1,103	1,000	400	400	400	400	2,600		
TOTAL		2,437	2,437	2,000	1,650	400	400	400	4,850		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 4696, 4964

34. Grease Control Pilot

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This pilot project will utilize a biological additive to reduce grease buildup in the 72-inch sewer along 7th Street, with the focus being between San Salvador Street and Julian Street (North Relief Interceptor). The proposed injection site would be at the Central Service Yard. An outside vendor is required for this project because City staff lacks the expertise in the necessary technologies for this pilot.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Planning and Engineering		250	20	230					230		250
TOTAL		250	20	230					230		250

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		250	20	230					230		250
TOTAL		250	20	230					230		250

Appn. #: 7253

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

35. Infrastructure Management System

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This ongoing allocation funds the prorated contribution of staff and consultant support for the computerized Geographic Information System (GIS) related to sanitary sewer projects.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Program Management		172	172	35	35	35	35	35	175		
TOTAL		172	172	35	35	35	35	35	175		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund											
Sewer Service And Use Charge Capital Improvement Fund		172	172	35	35	35	35	35	175		
TOTAL		172	172	35	35	35	35	35	175		

Notes:

Selected budget information is not provided due to the ongoing nature of this project. This project was formerly titled "Geographic Information System (GIS)."

Appn. #: 4131

36. Interceptor Management Plan

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds consultant services and City staff time to create an Interceptor Management Plan. The plan will compile all final drawings, records and pertinent documents for the existing interceptor system along Zanker Road into one comprehensive document.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Planning and Engineering	11	238	98	140					140		249
TOTAL	11	238	98	140					140		249

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	11	238	98	140					140		249
TOTAL	11	238	98	140					140		249

Appn. #: 7079

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

37. Master Planning Updates

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This project will incorporate changes into the sewer system database and computer models based on land use development, improvement of the sewer system, survey and field investigations, and record research.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		170	170	1,100	1,100	1,100	1,100	1,100	5,500		
TOTAL		170	170	1,100	1,100	1,100	1,100	1,100	5,500		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		170	170	100	100	100	100	100	500		
Sewer Service And Use Charge Capital Improvement Fund				1,000	1,000	1,000	1,000	1,000	5,000		
TOTAL		170	170	1,100	1,100	1,100	1,100	1,100	5,500		

Notes:
 Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 7242

38. Odor Control Pilot

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This project will continue the hydrogen peroxide (H2O2) treatment program for odor control along the four major sanitary interceptors located on Zanker Road. The H2O2 integrates with iron salt that is being added by the Department of Transportation at an upstream location to reduce the hydrogen sulfide (H2S) gas formed in the interceptors.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Planning and Engineering		200	15	185					185		200
TOTAL		200	15	185					185		200

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		200	15	185					185		200
TOTAL		200	15	185					185		200

Appn. #: 7258

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

39. 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Transfer to Other Agencies		10	10	10	10	10	10	10	50		
TOTAL		10	10	10	10	10	10	10	50		
FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		10	10	10	10	10	10	10	50		
TOTAL		10	10	10	10	10	10	10	50		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 4230

40. Permit Review and Inspection for SCVWD

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 by City staff. As is customary practice between public agencies, as well as State law, the City and Water District do not charge one another for these services.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Program Management		117	117	75	75	75	75	75	375		
TOTAL		117	117	75	75	75	75	75	375		
FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund		117	117	75	75	75	75	75	375		
TOTAL		117	117	75	75	75	75	75	375		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 5149

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

41. 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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Development		700	700	700	700	700	700	700	3,500		
TOTAL		700	700	700	700	700	700	700	3,500		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund					300				300		
Sewer Service And Use Charge Capital Improvement Fund		700	700	700	400	700	700	700	3,200		
TOTAL		700	700	700	700	700	700	700	3,500		

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

42. 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.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Program Management		400	400	400	400	400	400	400	2,000		
TOTAL		400	400	400	400	400	400	400	2,000		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund		100	100	400	190		100	100	790		
Sewer Service And Use Charge Capital Improvement Fund		300	300		210	400	300	300	1,210		
TOTAL		400	400	400	400	400	400	400	2,000		

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

Sanitary Sewer System
2012-2016 Adopted Capital Improvement Program
Detail of Non-Construction Projects

43. 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	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Equipment		49	49	40	40	40	40	40	200		
TOTAL		49	49	40	40	40	40	40	200		

FUNDING SOURCE SCHEDULE (000'S)											
Sanitary Sewer Connection Fee Fund Sewer Service And Use Charge Capital Improvement Fund		49	49	40	40	40	40	40	200		
TOTAL		49	49	40	40	40	40	40	200		

Notes:
 Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 4135

44. Sanitary Sewer Condition Assessments - Phase II

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation will be utilized to assess the general physical condition of the portions of the City's sanitary sewer system which were identified as higher risk pipelines during the Phase I condition assessment research and data collection. In general, higher risk pipelines include older sewers, pressurized systems and siphons.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2010-11 Appn.	2010-11 Estimate	2011-12	2012-13	2013-14	2014-15	2015-16	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study	18	1,981	1,056	3,925	2,000	2,000	1,500	1,500	10,925		11,999
TOTAL	18	1,981	1,056	3,925	2,000	2,000	1,500	1,500	10,925		11,999

FUNDING SOURCE SCHEDULE (000'S)											
Sewer Service And Use Charge Capital Improvement Fund	18	1,981	1,056	3,925	2,000	2,000	1,500	1,500	10,925		11,999
TOTAL	18	1,981	1,056	3,925	2,000	2,000	1,500	1,500	10,925		11,999

Notes:
 In the 2012-2016 CIP, this allocation was increased by \$10.0 million to allow for the assessment of additional stretches of pipeline.
Appn. #: 7082

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2011-2012 CAPITAL BUDGET

2012-2016 CAPITAL IMPROVEMENT PROGRAM

SANITARY SEWER SYSTEM

SUMMARY OF PROJECTS THAT START AFTER 2011-2012

SUMMARY OF PROJECTS WITH CLOSE-OUT COSTS ONLY IN 2011-2012

SUMMARY OF RESERVES

The Summary of Projects that Start after 2011-2012 includes those projects that have funding budgeted starting after 2011-2012. The Summary of Projects with Close-Out Costs Only in 2011-2012 includes those projects that are near completion with only minimal costs (typically inspection services and program management) to finish the project budgeted in 2011-2012. 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

2012-2016 Adopted Capital Improvement Program

Summary of Projects that Start after 2011-2012

Project Name:	Bollinger Road - Blaney Avenue Sanitary Sewer Improvement	Initial Start Date:	3rd Qtr. 2015
5-Year CIP Budget:	\$1,250,000	Revised Start Date:	
Total Budget:	\$5,424,000	Initial End Date:	2nd Qtr. 2018
Council District:	1	Revised End Date:	
USGBC LEED:	N/A		

Description: This project funds the upsizing of 11,400 feet of 12-inch, 15-inch and 21-inch sanitary sewer pipes.

Project Name:	Capitol Avenue Sanitary Sewer Improvements	Initial Start Date:	3rd Qtr. 2013
5-Year CIP Budget:	\$1,675,000	Revised Start Date:	3rd Qtr. 2012
Total Budget:	\$1,675,000	Initial End Date:	2nd Qtr. 2014
Council District:	4	Revised End Date:	
USGBC LEED:	N/A		

Description: This project funds the replacement of 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.

Project Name:	Chesbro Avenue Sanitary Sewer Improvements	Initial Start Date:	3rd Qtr. 2013
5-Year CIP Budget:	\$2,270,000	Revised Start Date:	3rd Qtr. 2012
Total Budget:	\$2,270,000	Initial End Date:	2nd Qtr. 2014
Council District:	10	Revised End Date:	
USGBC LEED:	N/A		

Description: This project will upsize the existing 2,900 feet of 21-inch sewer. The exact sizes of the replacement pipe will be determined during the preliminary design phase.

Project Name:	Curtner Avenue Sanitary Sewer Improvements	Initial Start Date:	3rd Qtr. 2013
5-Year CIP Budget:	\$2,350,000	Revised Start Date:	3rd Qtr. 2012
Total Budget:	\$2,350,000	Initial End Date:	2nd Qtr. 2014
Council District:	6	Revised End Date:	
USGBC LEED:	N/A		

Description: This project will upsize the existing 4,500 feet of 10-inch, 12-inch, and 18-inch sewers. The exact sizes of the replacement pipe will be determined during the preliminary design phase.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Summary of Projects that Start after 2011-2012

Project Name:	Fourth Major Interceptor, Phase VIIA	Initial Start Date:	3rd Qtr. 2013
5-Year CIP Budget:	\$9,700,000	Revised Start Date:	
Total Budget:	\$9,700,000	Initial End Date:	2nd Qtr. 2015
Council District:	3	Revised End Date:	
USGBC LEED:	N/A		

Description: This project consists of installation of approximately 7,200 linear feet of 66-inch reinforced concrete pipe (RCP). Completion of the Phase VIIA project will conclude capacity improvements for the Fourth Major Interceptor system.

Project Name:	Lamplighter Relief Pump Station and Force Main	Initial Start Date:	3rd Qtr. 2013
5-Year CIP Budget:	\$10,545,000	Revised Start Date:	
Total Budget:	\$10,545,000	Initial End Date:	2nd Qtr. 2015
Council District:	4	Revised End Date:	
USGBC LEED:	N/A		

Description: This project will implement an initial feasibility/alignment study, acquire a site, and design and construct a pump/lift station with a capacity of 7 million gallons per day.

Project Name:	Newhall Sanitary Sewer Improvements	Initial Start Date:	3rd Qtr. 2012
5-Year CIP Budget:	\$2,000,000	Revised Start Date:	
Total Budget:	\$2,000,000	Initial End Date:	2nd Qtr. 2013
Council District:	3	Revised End Date:	
USGBC LEED:	N/A		

Description: This allocation will fund the improvement of 2,000 feet of sanitary sewer on Newhall Street from Elm Street to Chestnut Street and on Chestnut Street from Newhall Street to McKendrie Street.

Project Name:	Rincon Avenue - Virginia Avenue Sanitary Sewer Improvement	Initial Start Date:	3rd Qtr. 2015
5-Year CIP Budget:	\$800,000	Revised Start Date:	
Total Budget:	\$3,559,000	Initial End Date:	2nd Qtr. 2018
Council District:	1	Revised End Date:	
USGBC LEED:	N/A		

Description: This project will upsize approximately 5,060 feet of 6-inch, 8-inch, and 10-inch sanitary sewer pipes.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Summary of Projects that Start after 2011-2012

Project Name:	Stevens Creek Boulevard Sanitary Sewer Improvement	Initial Start Date:	3rd Qtr. 2015
5-Year CIP Budget:	\$900,000	Revised Start Date:	
Total Budget:	\$3,865,000	Initial End Date:	2nd Qtr. 2018
Council District:	1	Revised End Date:	
USGBC LEED:	N/A		

Description: This project will upsize 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.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Summary of Projects with Close-out Costs Only in 2011-2012

Project Name:	Gold Street Sanitary Sewer Extension	Initial Start Date:	3rd Qtr. 2010
5-Year CIP Budget:	\$25,000	Revised Start Date:	
Total Budget:	\$150,000	Initial End Date:	4th Qtr. 2011
Council District:	4	Revised End Date:	
USGBC LEED:	N/A		

Description: This allocation funded the installation of approximately 300 feet of 8-inch vitrified clay pipe (VCP) along Gold Street between Catherine and Elizabeth Streets. The remaining funds will be used for resolving any remaining construction claims, updating records and other close-out activities.

Project Name:	Hydrogen Peroxide Injection Station	Initial Start Date:	3rd Qtr. 2006
5-Year CIP Budget:	\$45,000	Revised Start Date:	
Total Budget:	\$227,000	Initial End Date:	4th Qtr. 2007
Council District:	4	Revised End Date:	2nd Qtr. 2013
USGBC LEED:	N/A		

Description: This project installed a sanitary sewer hydrogen peroxide injection station in North San José to decrease the production of unpleasant sewer gases. The remaining funds will be used to remove excess chemicals and their storage tanks from the site, install fencing, and pay for close-out costs.

Project Name:	Infrastructure - Sanitary Sewer Condition Assessment	Initial Start Date:	3rd Qtr. 2008
5-Year CIP Budget:	\$50,000	Revised Start Date:	
Total Budget:	\$966,000	Initial End Date:	2nd Qtr. 2009
Council District:	City-wide	Revised End Date:	2nd Qtr. 2012
USGBC LEED:	N/A		

Description: This project funded the establishment of a city-wide sanitary sewer master plan to perform a sanitary sewer condition assessment in order to identify locations in need of rehabilitation and capacity improvements. The remaining funds will be used for resolving any remaining construction claims, updating records and other close-out activities.

Sanitary Sewer System

2012-2016 Adopted Capital Improvement Program

Summary of Reserves

Project Name:	Reserve for Rehabilitation and Repair	Initial Start Date:	N/A
5-Year CIP Budget:	\$3,500,000	Revised Start Date:	
Total Budget:	\$3,500,000	Initial End Date:	N/A
Council District:	City-wide	Revised End Date:	
USGBC LEED:	N/A		

Description: This reserve will provide funding for rehabilitation and repair projects such as Inflow and Infiltration Reduction and Rehabilitation of Sanitary Sewer Pump Stations. Requests to use the reserve may be brought forward for City Council consideration during 2011-2012, if current encumbrance and funding levels are insufficient for identified projects.

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