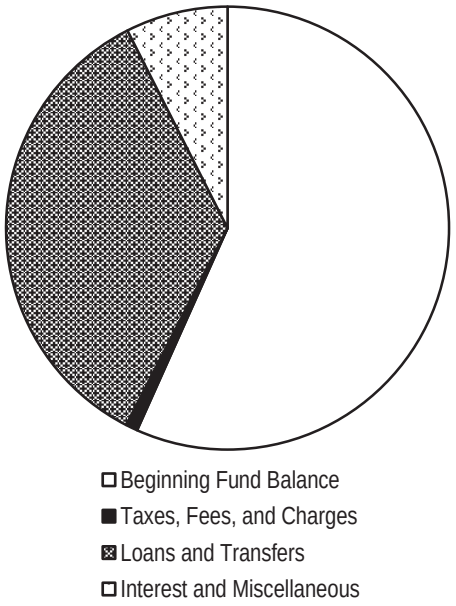
2016-2017 Capital Budget

2017-2021 Capital Improvement Program

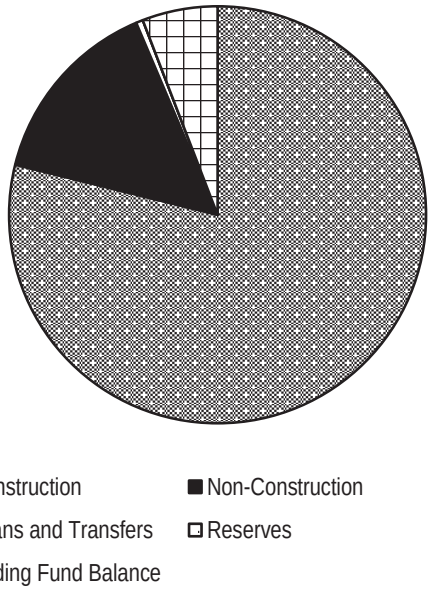
Storm
Sewer System

STORM SEWER SYSTEM
2017-2021 Capital Improvement Program

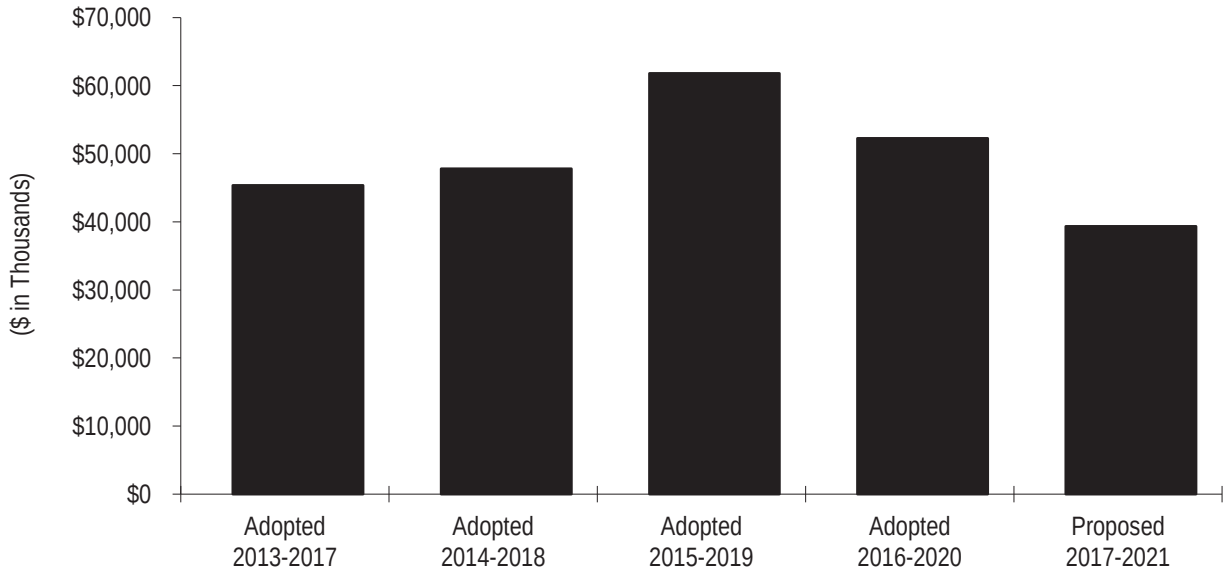
2016-2017 Proposed Source of Funds



2016-2017 Proposed Use of Funds



CIP History



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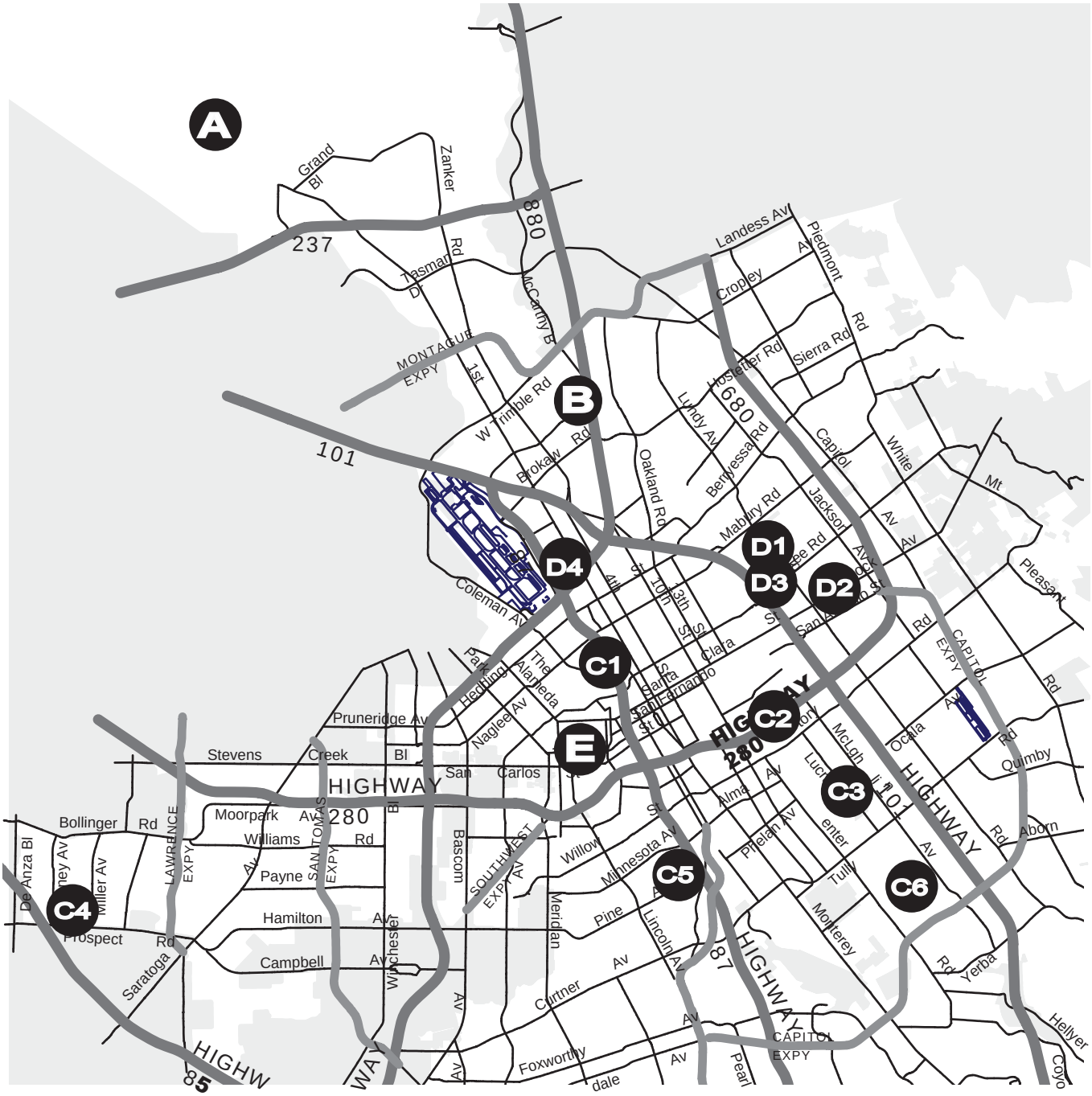
Storm Sewer System

2017-2021 Proposed Capital Improvement Program

North

A) Alviso Storm Pump Station
B) Charcot Storm Pump Station at Coyote Creek
C) Citywide Outfall Rehabilitation (1, 2, 3, 4, 5, 6)
D) Large Trash Capture Devices (1, 2, 3, 4)
E) Park Ave. Green Street Pilot



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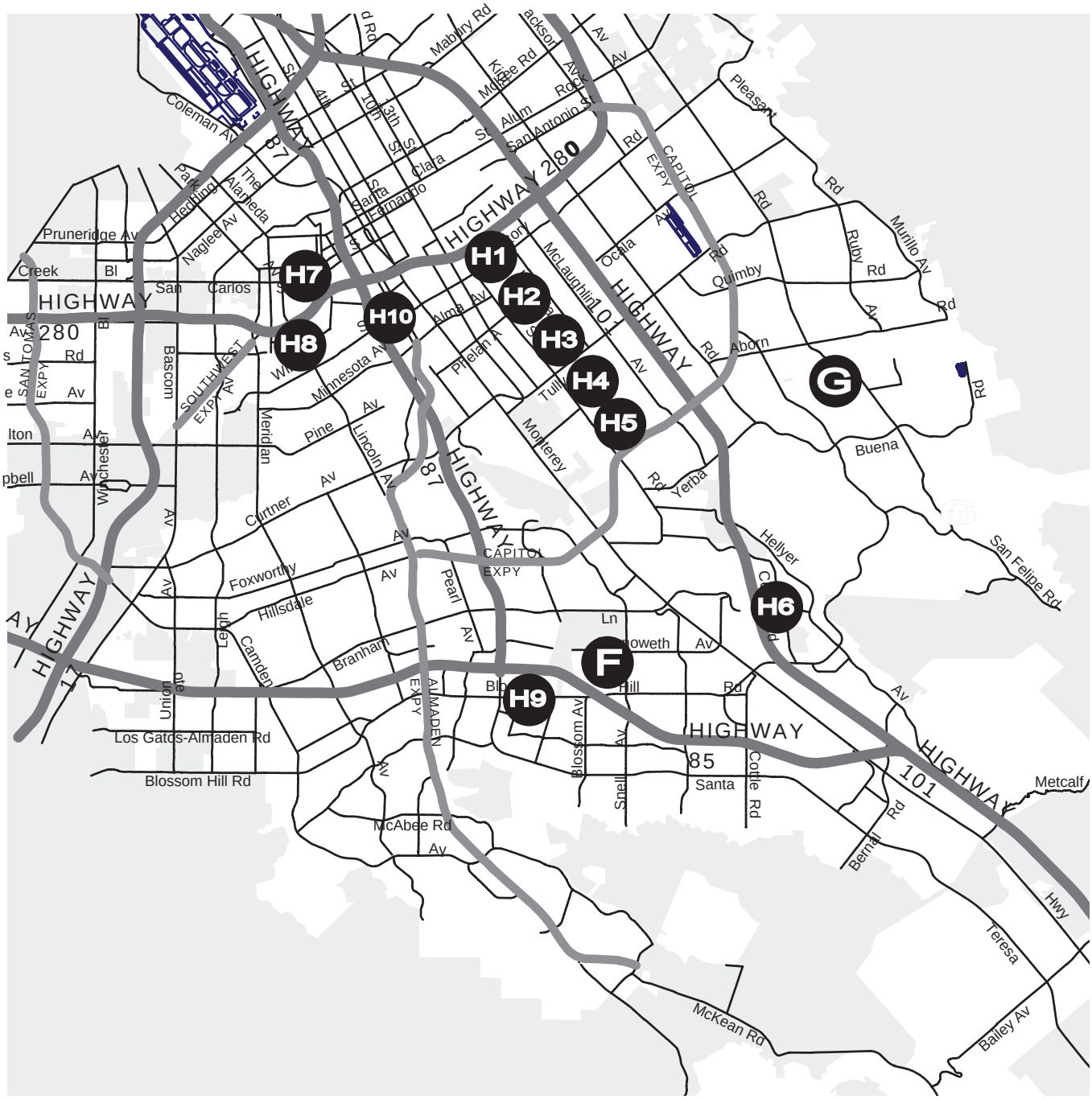
Storm Sewer System

2017-2021 Proposed Capital Improvement Program

South

F) Chynoweth Ave. Green Street
G) Citywide Outfall Rehabilitation
H) Large Trash Capture Devices (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)



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Overview

INTRODUCTION

The Storm Sewer System of the City of San José consists of approximately 1,130 miles of sewer mains and 29 stormwater pump stations. The Storm Sewer System, which is separate from the Sanitary Sewer System, collects storm water and eventually conveys into the Guadalupe River or Coyote Creek. The City is responsible for designing, constructing, and maintaining facilities for conveyance of stormwater runoff within the City's Urban Service Area to adjacent stream channels in accordance with the available budget and City Council priorities. Most of the design and construction of flood control facilities and the modification and maintenance of stream channels is the responsibility of the Santa Clara Valley Water District and the U.S. Army Corps of Engineers.

STORM SEWER SYSTEM PUBLIC INFRASTRUCTURE	
MILES OF STORM MAINS	
Smaller than 12" in diameter	80
12" to 18" in diameter	500
Over 18" in diameter	550
NUMBER OF INLETS	34,720
NUMBER OF MANHOLES	27,530
NUMBER OF OUTFALLS	1,500
NUMBER OF PUMP STATIONS	29

The 2017-2021 Proposed Capital Improvement Program (CIP) provides funding of $39.3 million, of which $20.0 million is allocated in 2016-2017. The program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcome: *Reliable Utility Infrastructure.*

PROGRAM PRIORITIES AND OBJECTIVES

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

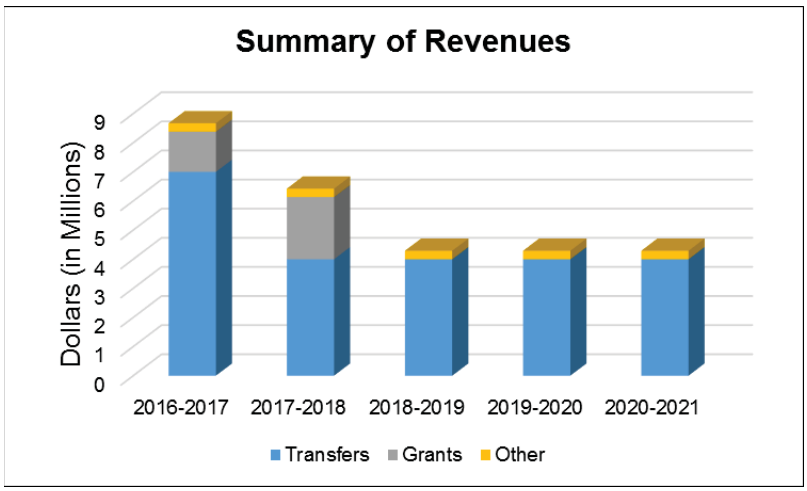
- Area-wide drainage capacity projects are identified and developed through the Storm Sewer Master Plan, which is based on the Envision San José 2040 General Plan (General Plan);
- Critical storm sewer system improvements that address localized ponding and flooding are generally identified through inspection and maintenance activities; and
- Regulatory compliance as required by Municipal Stormwater Regional Permit.

SOURCES OF FUNDING

The 2017-2021 Proposed CIP provides funding of $39.3 million, of which $20.0 million is allocated in 2016-2017. The program funding level decreased by $13.0 million from $52.3 million in the 2016-2020 Adopted CIP, mainly due to the liquidation of the Alviso Storm Pump Station Reserve for use by the project in 2015-2016 ($9.0 million) and a decrease in the transfer from the Storm Sewer Operating Fund ($5.0 million). Revenues for this CIP are derived from the following sources: transfers from the Storm Sewer Operating Fund, California Proposition 84 Grants, and Storm Sewer Connection Fees. The Proposed CIP assumes no rate increase for the Storm Sewer Operating Fund

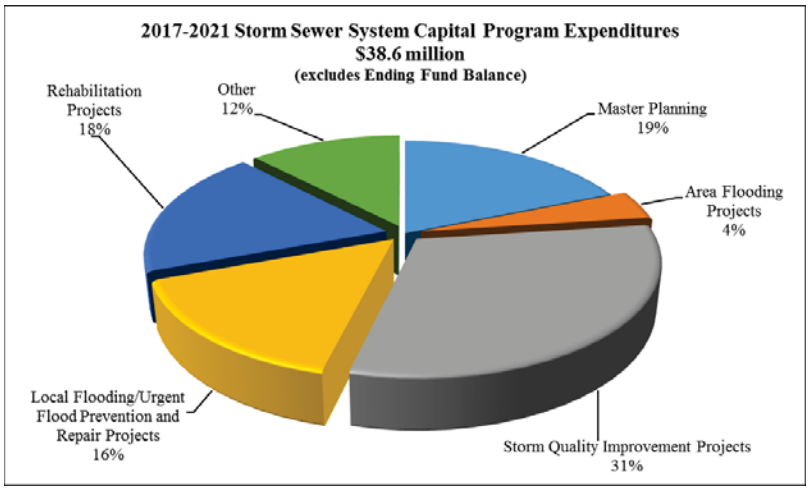
SOURCES OF FUNDING

for 2016-2017. The California Proposition 84 Stormwater Grant and Integrated Regional Water Management Program Grant will fund the design and construction of the Park Avenue Green Street Pilot, Ocala Avenue Green Street Project, and Chynoweth Avenue Green Street projects. The Storm Drainage Fee is charged to developers as a connection fee for any project that will discharge storm water, surface water, or ground water runoff into the City's storm sewer system. The fee is based on the use and size of the parcel being developed.



PROGRAM HIGHLIGHTS

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

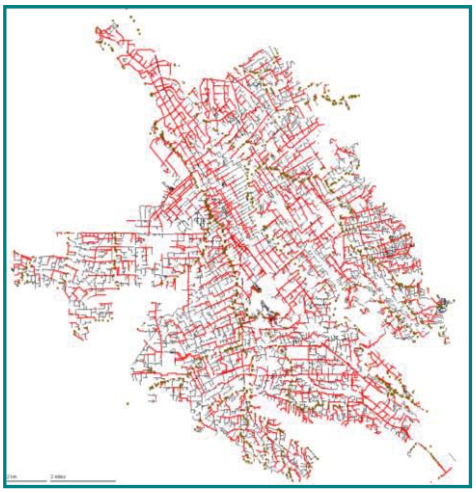


Overview

PROGRAM HIGHLIGHTS

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

Storm Sewer Master Plan



Storm Sewer Master Plan Model

The Storm Sewer Master Plan is a comprehensive effort to identify and prioritize needed capacity-related improvements to the storm sewer system by analyzing current conditions and the anticipated future land use developments in the General Plan. The Storm Sewer Master Plan will also integrate water quality considerations wherever possible to capture pollutants prior to discharge into waterways. This effort will be used as the framework for development of future Storm CIPs. Since the mid-1980s, the City's design standard required that storm drain systems be designed to convey a 10-year storm event. The master plan will recommend storm drain system improvements to handle the 10-year storm event at the General Plan 2040 land use scenario. A majority of the existing storm sewer system can only effectively convey the storm run-off from a one- to three-year storm event. The city-wide storm sewer master plan study using the fully dynamic, integrated urban and river catchments modeling platform began in 2013-2014 and is anticipated to be completed in 2017. The ongoing planning efforts have a total allocation of $7.3 million in the 2017-2021 Proposed CIP, which includes $5.5 million for Master Planning and $1.8 million for Flow Monitoring. Once the master plan study is completed, staff will develop and recommend a financing strategy to construct the desired improvements.

Critical Storm Sewer Improvements

Storm Sewer Capacity Improvement

Capacity improvement projects are those that prevent flooding over larger areas or drainage basins by constructing large-diameter storm sewers or new pump stations that are identified through past area-specific capacity studies and validated through the ongoing master plan effort.

Rehabilitation of Existing Facilities

The primary focus of rehabilitation projects is to address deteriorated outfall structures and aging mechanical and electrical components at storm sewer pump stations. Over the five-year Proposed CIP, total funding of approximately $7.1 million is programmed for rehabilitation projects, which include: $2.7 million for Outfall Rehabilitation – Capital, $2.5 million for Condition Assessment Storm Sewer Repairs, and $1.9 million for Storm Pump Station Rehabilitation and Replacement.

PROGRAM HIGHLIGHTS

Local Flooding/Urgent Flood Prevention and Repair
Localized ponding and flooding projects can be addressed by installing new and/or relocated storm inlets, laterals, and the reconstruction of displaced flow lines or minor extensions of local storm sewer systems that are generally identified through reoccurring maintenance activities at specific locations. Funding of approximately $4.0 million is programmed for rehabilitation projects, which include: $2.1 million for Minor Neighborhood Storm Sewer Improvements and $1.9 million for Storm Sewer Improvements – Special Corridors. Further funding of $2.0 million for Urgent Flood Prevention and Repair Projects will be used to address issues that may fall into any of the above categories. These projects are developed during the year in response to urgent needs.

Regulatory Compliance for Stormwater Quality Improvement Projects

Example of a Stormwater Bioretention Treatment Facility in South San José

Provision C.3 (New Development and Redevelopment) of the San Francisco Bay Regional Water Quality Control Board Municipal Regional Permit (MRP) requires development projects to address both soluble and insoluble stormwater runoff pollutant discharges and prevent increases in runoff flows to local water bodies through the implementation of Low Impact Development (LID) techniques. The goal of LID is to reduce runoff and mimic a site's predevelopment hydrology by minimizing disturbed areas and impervious cover and then infiltrating, storing, detaining, evapotranspiring, and/or biotreating stormwater runoff close to its source.

The City has secured grant funding for the green street retrofit pilot projects: Ocala Avenue Green Street Project ($2.5 million), Chynoweth Avenue Green Street ($2.2 million), and Park Avenue Green Street Pilot ($1.2 million). Green elements included in these projects consist of bioretention areas, or "rain gardens", that function as a soil- and plant-based filtration measure, and pervious pavers and infiltration trenches, which will allow stormwater run-off to infiltrate into the ground. In the 2017-2021 Proposed CIP, project allocations are approximately $5.9 million, sourced by approximately $3.5 million in grant funding and approximately $2.4 million in matching funds.

Provision C.10 of the Municipal Regional Stormwater Permit (MRP) regulates the implementation of control measures and other actions required to reduce trash loads from the storm sewer system into the City's receiving waters. One of the control measures required by the provision is the installation of trash capture devices near locations identified as high-trash impacted locations. Funding of approximately $6.0 million over the five-year CIP will be used for the design and installation of Large Trash Capture Devices throughout the City to meet MRP Provision C.10 trash reduction requirements.

MAJOR CHANGES FROM THE 2016-2020 ADOPTED CIP

The overall size of the Storm Sewer System CIP has decreased by $13.0 million from $52.3 million in the 2016-2020 Adopted CIP to $39.3 million in the 2017-2021 Proposed CIP. The following table outlines the most significant changes to project budgets, including new/augmented allocations and reduced/eliminated allocations.

Project	Incr/Decr
Storm Sewer Condition Assessment	$2,500,000
Charcot Storm Pump Rental	$1,800,000
Large Trash Capture Devices	$1,690,000
Ocala Avenue Green Street Project	$956,000

OPERATING BUDGET IMPACT

The Department of Transportation maintains the City's Storm Sewer System. There are currently no additional operating and maintenance costs associated with the projects in the 2017-2021 Proposed CIP. However, the costs to operate and maintain Green Streets are still under development, as this infrastructure is new to City operations. Future operation and maintenance costs will be developed in conjunction with the upcoming Green Infrastructure Plan.

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2016-2017 Capital Budget

2017-2021 Capital Improvement Program

Storm Sewer System

Source of Funds

Use of Funds

Source and Use of Funds Statements

2016-2017 Use of Funds by Funding Source

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

Storm Sewer System

2017-2021 Proposed Capital Improvement Program

Source of Funds (Combined)

SOURCE OF FUNDS	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total	
Storm Drainage Fee Fund (413)								
Beginning Fund Balance	391,855	348,926	265,926	180,926	194,926	234,926	348,926	*
Revenue from Other Agencies:								
Other Agencies								
– Joint Participation with the City of Cupertino	4,000	4,000	4,000	4,000	4,000	4,000	20,000	
Taxes, Fees and Charges:								
Storm Drainage Fees	200,000	175,000	175,000	175,000	175,000	175,000	875,000	
Interest Income	3,000	2,000	2,000	2,000	2,000	2,000	10,000	
Reserve for Encumbrances	226,071							
Total Storm Drainage Fee Fund	**824,926**	**529,926**	**446,926**	**361,926**	**375,926**	**415,926**	**1,253,926**	*
Storm Sewer Capital Fund (469)								
Beginning Fund Balance	26,271,097	11,000,793	902,793	963,793	766,793	617,793	11,000,793	*
Revenue from Other Agencies:								
State Government								
– CA Proposition 84 Integrated Regional Water Management Program Grant		1,381,000	435,000				1,816,000	
– CA Proposition 84 Stormwater Grant	638,000		1,700,000				1,700,000	
Contributions, Loans and Transfers from:								
Special Funds								
– Transfer from Storm Sewer Operating Fund (446)	9,000,000	7,000,000	4,000,000	4,000,000	4,000,000	4,000,000	23,000,000	
Interest Income	175,000	107,000	108,000	109,000	110,000	111,000	545,000	
Reserve for Encumbrances	3,735,696							
Total Storm Sewer Capital Fund	**39,819,793**	**19,488,793**	**7,145,793**	**5,072,793**	**4,876,793**	**4,728,793**	**38,061,793**	*

Storm Sewer System

2017-2021 Proposed Capital Improvement Program

Source of Funds (Combined)

SOURCE OF FUNDS (CONT'D.)	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
TOTAL SOURCE OF FUNDS	**40,644,719**	**20,018,719**	**7,592,719**	**5,434,719**	**5,252,719**	**5,144,719**	**39,315,719** *

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

Storm Sewer System

2017-2021 Proposed Capital Improvement Program

Use of Funds (Combined)

USE OF FUNDS	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
Construction Projects							
Alviso Storm Network Infiltration Control	392,000						
Charcot Storm Pump Station at Coyote Creek	100,000						
Martha Gardens Green Alley	382,000						
Public Art	460,000	102,000	18,000	8,000	8,000	8,000	144,000
1. Alviso Storm Pump Station	9,346,000	100,000					100,000
2. Chynoweth Avenue Green Street	408,000	2,187,000					2,187,000
3. Condition Assessment Storm Sewer Repairs		500,000	500,000	500,000	500,000	500,000	2,500,000
4. Large Trash Capture Devices	6,896,000	6,000,000					6,000,000
5. Minor Neighborhood Storm Sewer Improvements	2,200,000	500,000	700,000	300,000	300,000	300,000	2,100,000
6. Ocala Avenue Green Street Project	224,000	2,250,000	276,000				2,526,000
7. Outfall Rehabilitation - Capital	615,000	1,000,000	800,000	300,000	300,000	300,000	2,700,000
8. Park Avenue Green Street Pilot	115,000	1,200,000					1,200,000
9. Stockton Avenue - Julian Street Storm Sewer Improvements		350,000					350,000
10. Storm Pump Station Rehabilitation and Replacement	1,003,000	500,000	500,000	300,000	300,000	300,000	1,900,000
11. Storm Sewer Improvements - Special Corridors	700,000	500,000	500,000	300,000	300,000	300,000	1,900,000
12. Urgent Flood Prevention and Repair Projects	1,454,000	600,000	500,000	300,000	300,000	300,000	2,000,000
Total Construction Projects	**24,295,000**	**15,789,000**	**3,794,000**	**2,008,000**	**2,008,000**	**2,008,000**	**25,607,000**

Storm Sewer System

2017-2021 Proposed Capital Improvement Program

Use of Funds (Combined)

USE OF FUNDS (CONT'D.)	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
Non-Construction							
General Non-Construction							
Capital Program and Public Works Department Support Service Costs	545,000	792,000	383,000	185,000	112,000	114,000	1,586,000
Infrastructure Management System	8,000	6,000	6,000	6,000	6,000	6,000	30,000
Storm Sewer Fee Study	10,000						
13. Charcot Storm Pump Rental	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
14. Fee Administration	25,000	25,000	25,000	25,000	25,000	25,000	125,000
15. Flow Monitoring Program	1,070,000	350,000	350,000	350,000	350,000	350,000	1,750,000
16. Permit Review and Inspection for Outside Agencies	50,000	50,000	50,000	50,000	50,000	50,000	250,000
17. Preliminary Engineering	180,000	180,000	180,000	180,000	180,000	180,000	900,000
18. Program Management	150,000	150,000	150,000	150,000	150,000	150,000	750,000
19. Storm Sewer Master Plan - City-wide	2,540,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	5,500,000
Total General Non-Construction	**4,878,000**	**2,953,000**	**2,544,000**	**2,346,000**	**2,273,000**	**2,275,000**	**12,391,000**
Contributions, Loans and Transfers to General Fund							
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	14,000	2,000					2,000
Transfer to the General Fund - Interest Earnings	3,000	2,000	2,000	2,000	2,000	2,000	10,000
Total Contributions, Loans and Transfers to General Fund	**17,000**	**4,000**	**2,000**	**2,000**	**2,000**	**2,000**	**12,000**
Contributions, Loans and Transfers to Special Funds							
Transfer to the City Hall Debt Service Fund	105,000	104,000	108,000	117,000	117,000	117,000	563,000
Total Contributions, Loans and Transfers to Special Funds	**105,000**	**104,000**	**108,000**	**117,000**	**117,000**	**117,000**	**563,000**

Storm Sewer System

2017-2021 Proposed Capital Improvement Program

Use of Funds (Combined)

USE OF FUNDS (CONT'D.)	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
Non-Construction							
Total Non-Construction	**5,000,000**	**3,061,000**	**2,654,000**	**2,465,000**	**2,392,000**	**2,394,000**	**12,966,000**
Ending Fund Balance	11,349,719	1,168,719	1,144,719	961,719	852,719	742,719	742,719*
TOTAL USE OF FUNDS	**40,644,719**	**20,018,719**	**7,592,719**	**5,434,719**	**5,252,719**	**5,144,719**	**39,315,719***

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

Storm Sewer System

2017-2021 Proposed Capital Improvement Program
Storm Drainage Fee Fund (413)

Statement of Source and Use of Funds

	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
SOURCE OF FUNDS							
Beginning Fund Balance *	391,855	348,926	265,926	180,926	194,926	234,926	348,926
Interest Income	3,000	2,000	2,000	2,000	2,000	2,000	10,000
Reserve for Encumbrances	226,071						
Revenue from Other Agencies	4,000	4,000	4,000	4,000	4,000	4,000	20,000
Taxes, Fees and Charges	200,000	175,000	175,000	175,000	175,000	175,000	875,000
TOTAL SOURCE OF FUNDS	**824,926**	**529,926**	**446,926**	**361,926**	**375,926**	**415,926**	**1,253,926**
USE OF FUNDS							
Construction Projects	106,000	200,000	200,000	100,000	100,000	100,000	700,000
Contributions, Loans and Transfers	4,000	3,000	3,000	3,000	3,000	3,000	15,000
Non-Construction	366,000	61,000	63,000	64,000	38,000	38,000	264,000
Reserves							
Ending Fund Balance **	348,926	265,926	180,926	194,926	234,926	274,926	274,926
TOTAL USE OF FUNDS	**824,926**	**529,926**	**446,926**	**361,926**	**375,926**	**415,926**	**1,253,926**

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

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

Storm Sewer System

2017-2021 Proposed Capital Improvement Program
Storm Sewer Capital Fund (469)

Statement of Source and Use of Funds

	Estimated 2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	5-Year Total
SOURCE OF FUNDS							
Beginning Fund Balance *	26,271,097	11,000,793	902,793	963,793	766,793	617,793	11,000,793
Contributions, Loans and Transfers	9,000,000	7,000,000	4,000,000	4,000,000	4,000,000	4,000,000	23,000,000
Interest Income	175,000	107,000	108,000	109,000	110,000	111,000	545,000
Reserve for Encumbrances	3,735,696						
Revenue from Other Agencies	638,000	1,381,000	2,135,000				3,516,000
TOTAL SOURCE OF FUNDS	**39,819,793**	**19,488,793**	**7,145,793**	**5,072,793**	**4,876,793**	**4,728,793**	**38,061,793**
USE OF FUNDS							
Construction Projects	24,189,000	15,589,000	3,594,000	1,908,000	1,908,000	1,908,000	24,907,000
Contributions, Loans and Transfers	118,000	105,000	107,000	116,000	116,000	116,000	560,000
Non-Construction	4,512,000	2,892,000	2,481,000	2,282,000	2,235,000	2,237,000	12,127,000
Reserves							
Ending Fund Balance **	11,000,793	902,793	963,793	766,793	617,793	467,793	467,793
TOTAL USE OF FUNDS	**39,819,793**	**19,488,793**	**7,145,793**	**5,072,793**	**4,876,793**	**4,728,793**	**38,061,793**

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

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

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Storm Sewer System

2017-2021 Proposed Capital Improvement Program

2016-2017 Use of Funds by Funding Source

		(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
TOTAL RESOURCES		**529,926**	**19,488,793**	**20,018,719**
Construction Projects				
	Public Art		102,000	102,000
1.	Alviso Storm Pump Station		100,000	100,000
2.	Chynoweth Avenue Green Street		2,187,000	2,187,000
3.	Condition Assessment Storm Sewer Repairs		500,000	500,000
4.	Large Trash Capture Devices		6,000,000	6,000,000
5.	Minor Neighborhood Storm Sewer Improvements		500,000	500,000
6.	Ocala Avenue Green Street Project		2,250,000	2,250,000
7.	Outfall Rehabilitation - Capital		1,000,000	1,000,000
8.	Park Avenue Green Street Pilot		1,200,000	1,200,000
9.	Stockton Avenue - Julian Street Storm Sewer Improvements		350,000	350,000
10.	Storm Pump Station Rehabilitation and Replacement		500,000	500,000
11.	Storm Sewer Improvements - Special Corridors		500,000	500,000
12.	Urgent Flood Prevention and Repair Projects	200,000	400,000	600,000
Total Construction Projects		**200,000**	**15,589,000**	**15,789,000**

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
Non-Construction			
General Non-Construction			
Capital Program and Public Works Department Support Service Costs	36,000	756,000	792,000
Infrastructure Management System		6,000	6,000
13. Charcot Storm Pump Rental		300,000	300,000
14. Fee Administration	25,000		25,000
15. Flow Monitoring Program		350,000	350,000
16. Permit Review and Inspection for Outside Agencies		50,000	50,000
17. Preliminary Engineering		180,000	180,000
18. Program Management		150,000	150,000
19. Storm Sewer Master Plan - City-wide		1,100,000	1,100,000
Total General Non-Construction	**61,000**	**2,892,000**	**2,953,000**
Contributions, Loans and Transfers to General Fund			
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade		2,000	2,000
Transfer to the General Fund - Interest Earnings	2,000		2,000
Total Contributions, Loans and Transfers to General Fund	**2,000**	**2,000**	**4,000**

2016-2017 Use of Funds by Funding Source

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
Non-Construction			
Contributions, Loans and Transfers to Special Funds			
Transfer to the City Hall Debt Service Fund	1,000	103,000	104,000
Total Contributions, Loans and Transfers to Special Funds	**1,000**	**103,000**	**104,000**
Total Non-Construction	**64,000**	**2,997,000**	**3,061,000**
Ending Fund Balance	265,926	902,793	1,168,719
TOTAL USE OF FUNDS	**529,926**	**19,488,793**	**20,018,719**

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2016-2017 Capital Budget

2017-2021 Capital Improvement Program

Storm Sewer System

Detail of Construction Projects

Detail of Non-Construction Projects

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

1. Alviso Storm Pump Station

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: 4
Location: New pump station will be constructed on the Northwest corner of Gold Street and Catherine Street. A new force main and outfall will be installed along Catherine Street and through the levee into Guadalupe River.

Initial Start Date: 3rd Qtr. 2013
Revised Start Date:
Initial Completion Date: 2nd Qtr. 2014
Revised Completion Date: 2nd Qtr. 2017

Description: This project will build a new 110 cubic feet per second (CFS) storm pump station with approximately 100 linear feet of 48-inch HDPE (High Density Polyethylene) force main. A new outfall structure will be constructed beyond the levee at the Guadalupe River.

Justification: This project will provide a storm pump station with a 100-year storm event capacity. The existing Gold Street pump station will remain as additional back up.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	182										182
Design	611	325	325								936
Bid & Award		20	20								20
Construction	4	8,981	9,001	50					50		9,055
Post Construction		20		50					50		50
TOTAL	**797**	**9,346**	**9,346**	**100**					**100**		**10,243**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	797	9,346	9,346	100					100		10,243
TOTAL	**797**	**9,346**	**9,346**	**100**					**100**		**10,243**

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2015-2019 CIP - Increase of $500,000 due to the inclusion of the "Gold Street Storm Pump Station Force Main" project into this project.
2016-2020 CIP - Increase of $8.8 million. Funding from the “Alviso Storm Pump Station Reserve” was liquidated for the final design and construction of the project.
2017-2021 CIP - Decrease of $566,000 due to a refined project scope and cost estimate.

Notes:

FY Initiated: 2013-2014
Initial Project Budget: $1,500,000
Appn. #: 7623
USGBC LEED: N/A

2. Chynoweth Avenue Green Street

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: 10
Location: Chynoweth Avenue from Snell Avenue to Canoas Creek

Initial Start Date: 3rd Qtr. 2014
Revised Start Date:
Initial Completion Date: 2nd Qtr. 2017
Revised Completion Date:

Description: This project will create bioretention areas and install permeable pavers along Chynoweth Avenue to meet stormwater treatment requirements set forth by the Municipal Regional Permit using Low Impact Development (LID) techniques.

Justification: This project incorporates stormwater quality treatment using bioretention areas, a LID practice, to capture and treat stormwater. Installation of this type of treatment measure is expected to reduce the pollutants entering our local creeks and waterways from City streets. In addition, this project will allow the Environmental Services Department to monitor the effectiveness of retrofitting an existing urban street with bioretention areas.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	40										40
Design	2	126	126								128
Bid & Award		9	9								9
Construction		1,373	273	2,161					2,161		2,434
Post Construction				26					26		26
TOTAL	**42**	**1,508**	**408**	**2,187**					**2,187**		**2,637**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	42	1,508	408	2,187					2,187		2,637
TOTAL	**42**	**1,508**	**408**	**2,187**					**2,187**		**2,637**

ANNUAL OPERATING BUDGET IMPACT (000'S)

Maintenance*	
Operating*	
TOTAL	

Major Changes in Project Cost:

2016-2020 CIP - Increase of $2.0 million due to an increase in project scope related to the Proposition 84 Integrated Regional Water Management grant requirements.
2017-2021 CIP - Increase of $453,000 due to a refined project scope and cost estimate.

Notes:

A portion of the Proposition 84 Integrated Regional Water Management (IRWM) Grant of approximately $2 million and a local match of $637,000 will fund this project. Prior to the 2016-2020 CIP, this project was titled "San José Green Street Demonstration Project".
*The costs to operate and maintain Green Streets are still under development, as this infrastructure is new to City operations. Future operation and maintenance costs will be developed in conjunction with the upcoming Green Infrastructure Plan.

FY Initiated: 2014-2015
Initial Project Budget: $195,000
Appn. #: 7761
USGBC LEED: N/A

3. Condition Assessment Storm Sewer Repairs

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

Description: This allocation funds the development and implementation of contracts to identify and repair damaged pipes in the storm sewer system, and includes multiple projects each year as they are identified. Areas with groundwater infiltration and significant structural deficiencies will be the focus of these identify-and-repair contracts.

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

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development				10	10	10	10	10	50		
Design				50	50	50	50	50	250		
Bid & Award				10	10	10	10	10	50		
Construction				420	420	420	420	420	2,100		
Post Construction				10	10	10	10	10	50		
TOTAL				**500**	**500**	**500**	**500**	**500**	**2,500**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund				500	500	500	500	500	2,500		
TOTAL				**500**	**500**	**500**	**500**	**500**	**2,500**		

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.

FY Initiated: Ongoing
Initial Project Budget:
Appn. #:
USGBC LEED: N/A

4. Large Trash Capture Devices

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: 3rd Qtr. 2014
Revised Start Date:
Initial Completion Date: 2nd Qtr. 2016
Revised Completion Date: 2nd Qtr. 2017

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

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

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	71	300	100	100					100		271
Design	203	730	400	400					400		1,003
Bid & Award		20	20	20					20		40
Construction		5,816	6,346	5,450					5,450		11,796
Post Construction		30	30	30					30		60
TOTAL	**274**	**6,896**	**6,896**	**6,000**					**6,000**		**13,170**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	274	6,896	6,896	6,000					6,000		13,170
TOTAL	**274**	**6,896**	**6,896**	**6,000**					**6,000**		**13,170**

ANNUAL OPERATING BUDGET IMPACT (000'S)

Maintenance*	
Operating*	
TOTAL	

Major Changes in Project Cost:

2017-2021 CIP - Increase of $1.7 million to support the installation of additional Large Trash Capture devices.

Notes:

*The costs to operate and maintain the large trash capture devices are still under development, as the needed cleaning frequency of these devices are new to the City's operations. Future operation and maintenance costs will be developed upon the installation of new devices.

FY Initiated: 2014-2015
Initial Project Budget: $11,480,000
Appn. #: 7676
USGBC LEED: N/A

5. Minor Neighborhood Storm Sewer Improvements

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

Description: This allocation funds minor storm drain projects, such as construction of new inlets and laterals (storm pipe connections from the inlet to the main), and the establishment of flow-lines in various neighborhoods. Resources will be allocated to address these needs as funding permits.

Justification: This allocation will provide relief for minor drainage problems on neighborhood streets and improve water quality in the runoff conducted by the system.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		30	30	20	10	5	5	5	45		
Design		120	120	30	50	20	20	20	140		
Bid & Award		10	10	3	3	3	3	3	15		
Construction		2,030	2,030	439	632	267	267	267	1,872		
Post Construction		10	10	8	5	5	5	5	28		
TOTAL		**2,200**	**2,200**	**500**	**700**	**300**	**300**	**300**	**2,100**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		2,200	2,200	500	700	300	300	300	2,100		
TOTAL		**2,200**	**2,200**	**500**	**700**	**300**	**300**	**300**	**2,100**		

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
Initial Project Budget:
Appn. #: 4483
USGBC LEED: N/A

6. Ocala Avenue Green Street Project

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: 5
Location: Ocala Avenue between Capitol Expressway and Daytona Drive

Initial Start Date: 1st Qtr. 2015
Revised Start Date:
Initial Completion Date: 2nd Qtr. 2017
Revised Completion Date: 2nd Qtr. 2018

Description: This project incorporates bioretention areas in the park strip and a landscaped median island along Ocala Avenue between Daytona Drive and Capitol Expressway to meet stormwater treatment requirements set forth by the Municipal Regional Permit using Low Impact Development (LID) techniques.

Justification: This project incorporates stormwater quality treatment using bioretention areas, a LID practice, to capture and treat stormwater. Installation of this type of treatment measure is expected to reduce the pollutants entering our local creeks and waterways from City streets. In addition, this project will allow the Environmental Services Department to monitor the effectiveness of retrofitting an existing urban street with bioretention areas.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	37	93	72								109
Design		170	152	18					18		170
Bid & Award		6		13					13		13
Construction		455		2,219	258				2,477		2,477
Post Construction					18				18		18
TOTAL	**37**	**724**	**224**	**2,250**	**276**				**2,526**		**2,787**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	37	724	224	2,250	276				2,526		2,787
TOTAL	**37**	**724**	**224**	**2,250**	**276**				**2,526**		**2,787**

ANNUAL OPERATING BUDGET IMPACT (000'S)

Maintenance*	
Operating*	
TOTAL	

Major Changes in Project Cost:

2016-2020 CIP - Increase of $1.7 million due to an increase in project scope related to the California Proposition 84 grant requirements. 2017-2021 CIP - Increase of $956,000 due to an increase in project scope related to the California Proposition 84 grant requirements.

Notes:

A portion of the California Proposition 84 Stormwater Program Grant of approximately $1.4 million and a local match of $1.4 million will fund this project.
*The costs to operate and maintain Green Streets are still under development, as this infrastructure is new to City operations. Future operation and maintenance costs will be developed in conjunction with the upcoming Green Infrastructure Plan.

FY Initiated: 2014-2015
Initial Project Budget: $130,000
Appn. #: 7765
USGBC LEED: N/A

7. Outfall Rehabilitation - Capital

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

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

Justification: This allocation will repair aging outfall structures, enhance erosion protection and water quality, and alleviate maintenance operations.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Construction Planning and Engineering		1,415	615	1,000	800	300	300	300	2,700		
TOTAL		**1,415**	**615**	**1,000**	**800**	**300**	**300**	**300**	**2,700**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		1,415	615	1,000	800	300	300	300	2,700		
TOTAL		**1,415**	**615**	**1,000**	**800**	**300**	**300**	**300**	**2,700**		

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
Initial Project Budget:
Appn. #: 4245
USGBC LEED: N/A

8. Park Avenue Green Street Pilot

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: 6
Location: Park Avenue between Meridian Avenue and Sunol Street

Initial Start Date: 2nd Qtr. 2013
Revised Start Date: 3rd Qtr. 2014
Initial Completion Date: 2nd Qtr. 2014
Revised Completion Date: 2nd Qtr. 2017

Description: This project will install bioretention areas along Park Avenue between Meridian Avenue and Sunol Street in order to provide stormwater treatment for this segment of Park Avenue.

Justification: This project incorporates stormwater quality treatment using bioretention areas, a Low Impact Development practice, to capture and treat stormwater. Installation of this type of treatment measure is expected to reduce the pollutants entering our local creeks and waterways from City streets. In addition, this project will allow the Environmental Services Department to monitor the effectiveness of retrofitting an existing urban street with bioretention areas.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development	22										22
Design	76										76
Bid & Award		15	15	5					5		20
Construction		975	100	1,185					1,185		1,285
Post Construction		25		10					10		10
TOTAL	**98**	**1,015**	**115**	**1,200**					**1,200**		**1,413**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	98	1,015	115	1,200					1,200		1,413
TOTAL	**98**	**1,015**	**115**	**1,200**					**1,200**		**1,413**

ANNUAL OPERATING BUDGET IMPACT (000'S)

Maintenance*	
Operating*	
TOTAL	

Major Changes in Project Cost:

2014-2018 CIP - Increase of $859,000 due to an increase in project scope related to the California Proposition 84 grant requirements.
2017-2021 CIP - Increase of $207,000 due to an increase in project scope related to the California Proposition 84 grant requirements.

Notes:

A portion of the California Proposition 84 Stormwater Grant of $859,000 and a local match of $554,000 will fund this project. Prior to 2016-2020 CIP, this project was titled "Park Avenue Green Avenue".
*The costs to operate and maintain Green Streets are still under development, as this infrastructure is new to City operations. Future operation and maintenance costs will be developed in conjunction with the upcoming Green Infrastructure Plan.

FY Initiated: 2012-2013
Initial Project Budget: $347,000
Appn. #: 7500
USGBC LEED: N/A

9. Stockton Avenue - Julian Street Storm Sewer Improvements

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: 3, 6
Location: Stockton Avenue and Julian Street

Initial Start Date: 3rd Qtr. 2016
Revised Start Date:
Initial Completion Date: 2nd Qtr. 2017
Revised Completion Date:

Description: This project installs approximately 4,500 feet of storm drain on Julian Street from Stockton Avenue that will connect to an existing 54-inch storm pipe and outfall system on Julian Street. In addition, it will construct a 30- to 54-inch pipe on Stockton Avenue between Schiele Avenue and The Alameda to convey storm runoff to Julian Street. Funding is allocated in 2016-2017 for the preliminary phase of the project, which will identify feasible storm pipe locations and routes and determine the phasing of specific improvements to occur in this area. It is preliminarily anticipated that this project will be further developed through 2019-2020, once further cost estimates are available as a result of this preliminary phase.

Justification: This project is needed due to minimal storm capacity in the existing storm sewer system.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development				350					350		350
TOTAL				**350**					**350**		**350**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund				350					350		350
TOTAL				**350**					**350**		**350**

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:
None

Notes:

FY Initiated: 2016-2017
Initial Project Budget: $350,000
Appn. #:
USGBC LEED: N/A

10. Storm Pump Station Rehabilitation and Replacement

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

Description: This allocation funds the rehabilitation, reconstruction, or replacement of aging pump stations that require high levels of maintenance.

Justification: Rehabilitating, redesigning, and/or replacing aging pump stations will achieve cost savings, optimize pump station performance, and enhance the efficiency of the storm system.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		10	10	3	3	3	3	3	15		
Design		56	56	50	50	50	50	50	250		
Bid & Award		3	3	3	3	3	3	3	15		
Construction		932	932	442	442	242	242	242	1,610		
Post Construction		2	2	2	2	2	2	2	10		
TOTAL		**1,003**	**1,003**	**500**	**500**	**300**	**300**	**300**	**1,900**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		1,003	1,003	500	500	300	300	300	1,900		
TOTAL		**1,003**	**1,003**	**500**	**500**	**300**	**300**	**300**	**1,900**		

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
Initial Project Budget:
Appn. #: 5150
USGBC LEED: N/A

11. Storm Sewer Improvements - Special Corridors

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

Description: This allocation funds the investigation of ponding complaints; development of strategies to improve local drainage with the reconstruction of curbs, gutters, and other infrastructure; development of construction plans; and construction and associated management. This allocation will also provide for the Department of Public Works staff to document ponding problems that staff observes and reports, with a focus on areas with heavy pedestrian activity, such as school routes and near community centers, libraries, and other public facilities.

Justification: This allocation will help address storm water ponding within neighborhoods, which has the capacity to cause localized flooding problems and impede pedestrian accessibility.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		15	15	10	10	7	7	7	41		
Design		100	100	20	20	10	10	10	70		
Bid & Award		10	10	5	5	5	5	5	25		
Construction		1,070	575	460	460	273	273	273	1,739		
Post Construction		5		5	5	5	5	5	25		
TOTAL		**1,200**	**700**	**500**	**500**	**300**	**300**	**300**	**1,900**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		1,200	700	500	500	300	300	300	1,900		
TOTAL		**1,200**	**700**	**500**	**500**	**300**	**300**	**300**	**1,900**		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. Prior to the 2012-2016 CIP, this project was titled "Storm Drainage Improvements - Special Corridors".

FY Initiated: Ongoing
Initial Project Budget:
Appn. #: 5046
USGBC LEED: N/A

12. Urgent Flood Prevention and Repair Projects

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Council District: City-wide
Location: City-wide

Initial Start Date: Ongoing
Revised Start Date:
Initial Completion Date: Ongoing
Revised Completion Date:

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

Justification: These funds provide for unanticipated projects that are necessary to ensure public health and safety.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Development		10	10	7	6	5	5	5	28		
Design		90	80	20	20	10	10	10	70		
Bid & Award		10	10	10	10	5	5	5	35		
Construction		1,644	1,354	563	464	280	280	280	1,867		
TOTAL		**1,754**	**1,454**	**600**	**500**	**300**	**300**	**300**	**2,000**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund		106	106	200	200	100	100	100	700		
Storm Sewer Capital Fund		1,648	1,348	400	300	200	200	200	1,300		
TOTAL		**1,754**	**1,454**	**600**	**500**	**300**	**300**	**300**	**2,000**		

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
Initial Project Budget:
Appn. #: 4287
USGBC LEED: N/A

13. Charcot Storm Pump Rental

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

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Equipment			300	300	300	300	300	300	1,500		1,800
TOTAL			**300**	**300**	**300**	**300**	**300**	**300**	**1,500**		**1,800**

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund			300	300	300	300	300	300	1,500		1,800
TOTAL			**300**	**300**	**300**	**300**	**300**	**300**	**1,500**		**1,800**

Appn. #:

14. Fee Administration

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation provides funding for the Department of Public Works Development Program to collect Storm Drainage Fees.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		25	25	25	25	25	25	25	125		
TOTAL		**25**	**25**	**25**	**25**	**25**	**25**	**25**	**125**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund		25	25	25	25	25	25	25	125		
TOTAL		**25**	**25**	**25**	**25**	**25**	**25**	**25**	**125**		

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

Appn. #: 5411

15. Flow Monitoring Program

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

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Construction											
Master Plan/Study		1,270	1,070	350	350	350	350	350	1,750		
TOTAL		**1,270**	**1,070**	**350**	**350**	**350**	**350**	**350**	**1,750**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund											
Storm Sewer Capital Fund		1,270	1,070	350	350	350	350	350	1,750		
TOTAL		**1,270**	**1,070**	**350**	**350**	**350**	**350**	**350**	**1,750**		

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

Appn. #: 5867

16. Permit Review and Inspection for Outside Agencies

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds the review and inspection of Santa Clara Valley Water District (SCVWD) projects. The City and the SCVWD do not charge one another for these services.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		50	50	50	50	50	50	50	250		
TOTAL		**50**	**50**	**50**	**50**	**50**	**50**	**50**	**250**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund											
Storm Sewer Capital Fund		50	50	50	50	50	50	50	250		
TOTAL		**50**	**50**	**50**	**50**	**50**	**50**	**50**	**250**		

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

Appn. #: 7075

17. Preliminary Engineering

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

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Planning and Engineering		180	180	180	180	180	180	180	900		
TOTAL		**180**	**180**	**180**	**180**	**180**	**180**	**180**	**900**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund Storm Sewer Capital Fund		180	180	180	180	180	180	180	900		
TOTAL		**180**	**180**	**180**	**180**	**180**	**180**	**180**	**900**		

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

Appn. #: 4284

18. Program Management

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation provides funding for the monitoring of storm-related capital improvement projects, the floodwatch program, and the preparation of the Storm Sewer System Capital Improvement Program.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Program Management		150	150	150	150	150	150	150	750		
TOTAL		**150**	**150**	**150**	**150**	**150**	**150**	**150**	**750**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund Storm Sewer Capital Fund		150	150	150	150	150	150	150	750		
TOTAL		**150**	**150**	**150**	**150**	**150**	**150**	**150**	**750**		

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

Appn. #: 4286

19. Storm Sewer Master Plan - City-wide

CSA: Environmental and Utility Services

CSA Outcome: Reliable Utility Infrastructure

Department: Public Works

Description: This allocation funds a master planning effort for the storm sewer system, which involves mapping and identification of existing main storm drainage trunk lines, outfalls, laterals, and other storm system facilities. The report will guide the overall system design for capacity needs. Ongoing funding will provide for updates to the master plan as new developments and projects add or change the infrastructure.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2015-16 Appn.	2015-16 Estimate	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		3,340	2,540	1,100	1,100	1,100	1,100	1,100	5,500		
TOTAL		**3,340**	**2,540**	**1,100**	**1,100**	**1,100**	**1,100**	**1,100**	**5,500**		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund		320	320								
Storm Sewer Capital Fund		3,020	2,220	1,100	1,100	1,100	1,100	1,100	5,500		
TOTAL		**3,340**	**2,540**	**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. #: 5252, 7621