

City of Santa Cruz



Adopted Capital Improvement Program

Budget Fiscal Years 2018-2020

Guide to the Adopted Capital Improvement Program Budget FY 2018 – FY 2020

CAPITAL IMPROVEMENT PROGRAM

The City faces an ongoing challenge to meet its capital needs with limited resources. The preparation and adoption of the Capital Improvement Program (CIP) is an important part of the City’s planning process to identify and meet those needs. It is a multi-year schedule of projects with their associated costs and proposed funding sources. The CIP represents the best efforts to allocate available resources toward projects that provide the most benefit for the people of Santa Cruz. It also highlights areas where funding is deficient.

Generally, projects in the CIP are relatively large-dollar amount, nonrecurring outlays and are for the purpose of constructing, purchasing, improving, replacing or restoring assets with multi-year useful life. In addition, certain special projects and activities are included.

The CIP includes proposed projects for the next three fiscal years. It also describes projects that will be carried over from the current fiscal year. The first year of the CIP is, by and large, incorporated into and adopted with the annual budget.

FINANCING

The two basic methods to fund the CIP projects are (1) pay-as-you-go, which requires use of current revenues or cash on hand; and (2) pay-as-you-use, which uses debt financing to spread acquisition costs over the period of time the City plans to use a capital asset. Funds dedicated to pay-as-you-go include a share of transient occupancy taxes, grants, parks facilities taxes and fees, traffic impact and other development fees, and user fees in the enterprise funds. Both of these funding methods are useful, depending on the nature of the projects.

USING THE CIP

The Capital Improvement Program is divided into three sections:

- Listing of Projects by Category
- Projects that Support the City’s Climate Action Plan
- New Projects
- Existing Projects
- Completed Projects

PROJECTS

This section provides information on proposed capital improvements over the next 3 years. It is organized by primary fund or funding source and function. Within each subsection projects are arranged alphabetically.

Each project is identified by a project name and number (if previously assigned), and a project description/justification. It also includes a total project cost estimate. If applicable, the project cost estimate is reduced by additional outside funding sources, to arrive at a “net expenditure”. This is the net amount that must be funded by the primary funding source of the fund. This information is provided for each of the periods displayed:

- **“Prior Years”** Shows the total amount that has been spent on the project in prior years up to the end of the last fiscal year.
- **“2017 Budget”** Shows the total amount appropriated for the current fiscal year.
- **“2017 Estimated”** Shows the total amount of the FY 2017 funding that will be spent on the project, including what has been spent or encumbered and what will be carried forward into FY 2018.
- **“2018 Adopted”, “FY 2019 Estimated”, and “FY 2020 Estimated”** Each individual column shows the adopted (year 2018 only) and the future estimated funding required for the project for each identified fiscal year.
- **“Total 2018 - 2020”** Shows the total adopted funding required for the projects in FY 2018, and the total estimated funding required for FY 2019, and FY 2020.

**Guide to the Adopted
Capital Improvement Program Budget
FY 2018 – FY 2020**

At the end of each section is a summary of total project costs, funding sources, and net project costs for capital projects, maintenance and other projects, and a combined total for the fund(s).

UNFUNDED PROJECTS

The Unfunded Projects section includes those projects that will be proposed once funding can be identified, and staff resources are available.

FUND BALANCE PROJECTIONS

This section includes a three-year projection of sources, uses and fund balances for each fund or funding source included in the CIP. An overview of the impact of projected revenue and expenditures on fund balances over time can be seen in these tables. Fund balance projections for the following funds are included in the “Fund Balance Projection” section of the CIP. The following table identifies funding sources for each fund:

Capital Improvement Fund - Arterial Streets and Roads Fund	Grants, City Public Trust Fund	Transportation
Clean Rivers, Beaches, and Ocean Tax Fund	Tax assessments	Environmental, education
Community Development Block Grant (CDBG) Fund	Grants	Housing and Community Development
Gas Tax Fund	State gasoline tax	Transportation
Parks and Recreation Fee Fund	Subdivision developer impact fees	Parks, playgrounds, community centers, and other Parks and Recreation facilities
Parks and Recreation Facility Tax Fund	Residential construction excise tax	Parks, playgrounds, community centers, and other Parks and Recreation facilities
RDA/SA-Redevelopment Obligation Retirement Fund	Property Tax	Successor Agency Funds
RDA/SA - Low/Mod Income Housing Funds	Property Tax	Affordable Housing Construction
RDA/SA-Capital Projects Fund	Property Tax	Street improvements, property rehabilitation, economic development, and other capital improvements
RDA/SA-Capital Projects-Admin	Property Tax	Administrative Costs of Successor Agency.
RDA/SA-Capital Projects-Del Mar Theater	Property Tax	Property management, maintenance and capital improvements to the Del Mar
SA City Low/Mod Income Housing Funds	Property Tax	Housing and Community Development
Enterprise:		
Water Fund	User Fees	Water system infrastructure
Water Fund - SDC	User Fees	Water system Development
Wastewater Fund	User Fees	Wastewater system infrastructure
Refuse Fund	User Fees	Sanitation, recycling and landfill infrastructure
Parking Fund	User Fees	Downtown parking district facilities, including parking lots and structures
Storm Water Fund	Storm water fees	Flood control facilities
Storm Water Overlay Fund	Storm water fees	Flood control facilities

City of Santa Cruz
 Capital Improvement Program
 Fiscal Years 2018-2020
 Unfunded Projects

	ESTIMATED TOTAL
<u>Fire Department</u>	
Engine Replacement - Type 3 (Wildland)	375,000
Fire Department Training Center	2,000,000
Lifeguard Headquarter Maintenance	60,000
Total Fire Department Unfunded Projects:	2,435,000
 <u>Parks and Recreation:</u>	
Cowell Beach Emergency Access	60,000
Pacific Ave & Side St. Tree Grate Replace <i>(possible art component)</i>	150,000
Pogonip Clubhouse Renovation	5,000,000
Recreation Facilities - Solar Panels Installation	400,000
Wharf Lifeguard Hdqtrs Deck Stabilization (Fire Dept/Lifeguards)	100,000
Wharf Marcella Fishing Boat Historical Preservation	30,000
Ball Park Lighting Upgrades	800,000
Civic Auditorium Renovations - (\$2 to \$22 million)	2,000,000
Wharf Master Plan Implementation - (\$1 to \$20 million)	1,000,000
Total Parks and Recreation Unfunded Projects:	9,540,000
<u>Delaveaga Golf Course:</u>	
Driving Range Building Improvements	200,000
Maintenance Facility Improvements	50,000
Replace Existing Clubhouse	4,000,000
Total Delaveaga Golf Course Unfunded Projects:	4,250,000
Total Parks and Recreation Department Unfunded Projects:	13,790,000
 <u>Public Works:</u>	
<u>Citywide Storm Drains:</u>	
Branciforte Creek Scour Repair and Maintenance	1,500,000
Grant Street Storm Drain Installation	400,000
Ladera Drive Storm Drain	200,000
Mission Street Extension Storm Drain	100,000
Storm Drain Master Plan Projects (Curtis in proposed CIP)	5,000,000
Soquel-Pine Street Improvements and Storm Drain	1,000,000
San Lorenzo River Gravity Outlet System Rehabilitation	400,000
San Lorenzo River Pump Station Rehab and Upgrades	2,000,000
Trevethan Storm Drain	170,000

**City of Santa Cruz
Capital Improvement Program
Fiscal Years 2018-2020
Unfunded Projects**

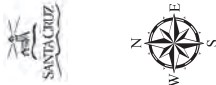
Total Citywide Storm Drains Unfunded Projects:	10,770,000
<u>Transportation Improvements:</u>	
Active Transportation Plan Implementation	135,000,000
Beach Street Streetscape	2,000,000
Cooper Street Streetscape	200,000
Downtown Side Street Streetscape	2,500,000
East Cliff Drive Walkway and Railing Repair (Seabright to 4th)	1,000,000
East Cliff Drive Walkway Widening (end of levee to Buena Vista)	1,000,000
Laurel Street Improvements - Front to Chestnut	3,000,000
MB Sanctuary Scenic Trail (Rail Trail) Segment 9 (Design & Enviro in CIP)	11,900,000
Miscellaneous Traffic Signals and Projects	2,000,000
Neighborhood Traffic Calming Improvements	2,500,000
Ocean Street Improvements	6,000,000
Pacific Avenue Streetscape - Laurel to Beach	2,000,000
Sidewalks and Access Ramps (some are in ATP above)	10,000,000
State Route 1/Bay & Chestnut-King Improvements	3,000,000
State Rte 1 Bridge Replacement (some in CIP)	16,000,000
Street Overlay and Reconstruction (In additon to Measure H, D and Grants)	30,000,000
Third Street Walkway /Front Street Slope Stabilization and Repair	500,000
West Cliff Dr. Stair Rehabilitation (in proposed CIP)	100,000
West Cliff Drive Revetments (some in proposed CIP)	4,250,000
Unimproved Streets	9,000,000
Total Transportation Improvements Unfunded Projects:	241,950,000
<u>Citywide Improvements</u>	
Facilities Master Plan	30,500,000
Total Citywide Improvements Unfunded Projects:	30,500,000
Total Public Works Department Unfunded Projects:	283,220,000
Total Unfunded Projects Citywide:	299,445,000

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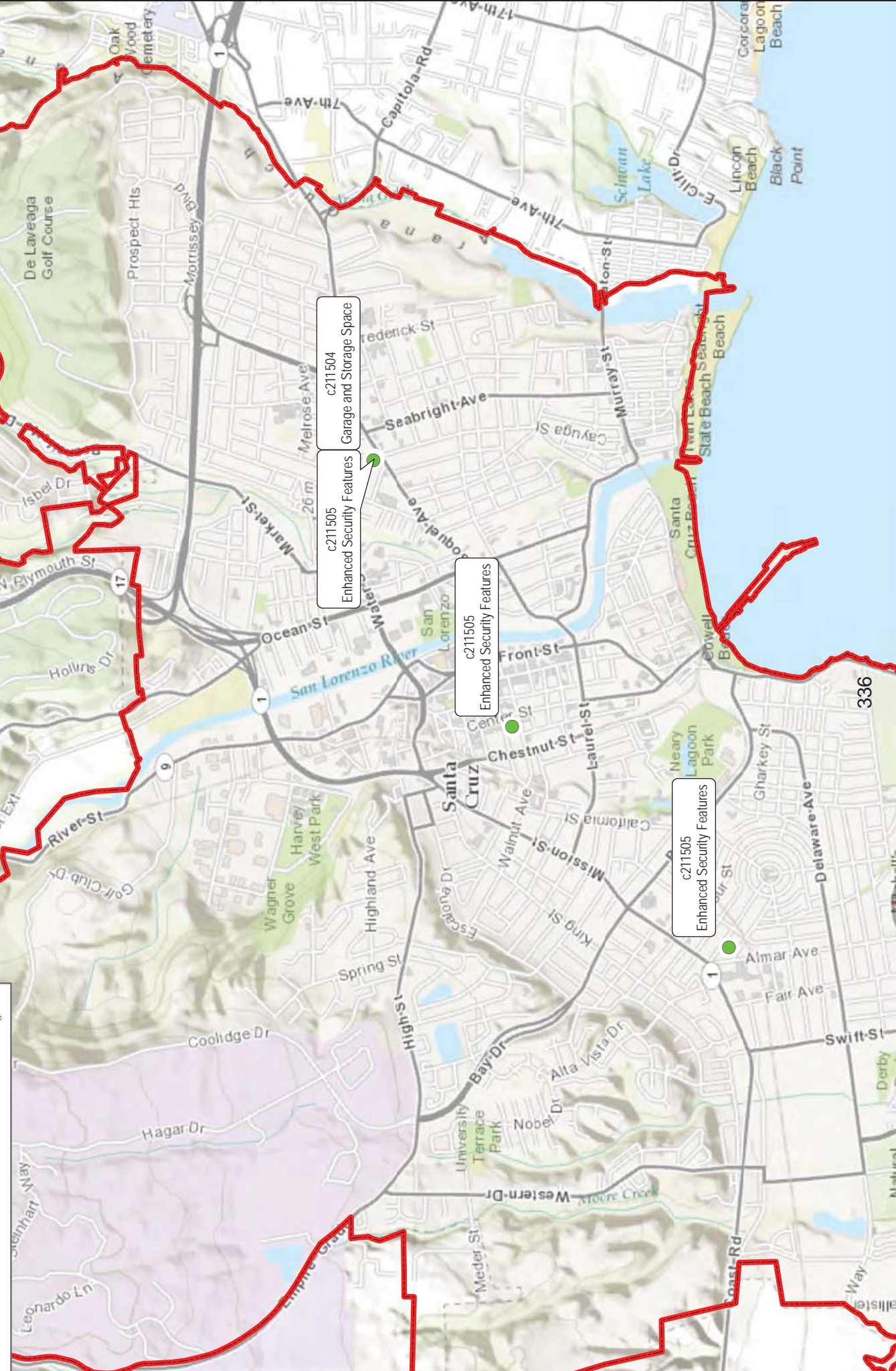
Fire Department Capital Improvement Projects



Capital Improvement Projects
FY 2015 – FY 2017
Fire Department
City of Santa Cruz



0 0.25 0.5 1 Miles



Apparatus Bay Expansion to Fire Station 3

Project Description:

This project will expand the apparatus bay at Station 3 by 2500 square feet. This expansion will allow the Fire Department to adequately store its firefighting equipment indoors protecting it from the elements and extending its service life. Currently, the Fire Department is not able to properly store all of its apparatus inside. Rescue 3160 is parked outside in front of Station 1. It has been vandalized twice in the last two years with broken windows and graffiti.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c211804							Account # 311-21-00-9610-57390
Project Cost Estimate:	-	-	-	-	175,000	-	175,000
Net Project Cost Estimates:	-	-	-	-	175,000	-	175,000

Engine Replacement - Type 1 (Urban)

Project Description:

This project will replace Engine 3111, a 1999 Pierce with 120,229 miles. This Engine will have reached its maximum service life and will need to be retired. Engine 3111 is currently a reserve and when it is replaced, the new Engine will be placed on the frontline as Engine 3110. That Engine will be downgraded to reserve status.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c211802							Account # 311-21-00-9620-57402
Project Cost Estimate:	-	-	-	-	-	575,000	575,000
Net Project Cost Estimates:	-	-	-	-	-	575,000	575,000

Lifeguard Headquarter Maintenance

Project Description:

This project will allow Lifeguard Headquarters to continue to be used at a bare minimum level. The roof needs to be completely replaced at a cost of \$60,000. The exterior needs to be encapsulated to keep the paint from flaking into the ocean at a cost of \$50,000. The interior locker rooms (male and female) are in need of dramatic update as well as the rest of the facility at a cost of \$65,000.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c211803							Account # 311-21-00-9610-57390
Project Cost Estimate:	-	-	-	-	60,000	60,000	120,000
Net Project Cost Estimates:	-	-	-	-	60,000	60,000	120,000

New Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	

Fire Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	

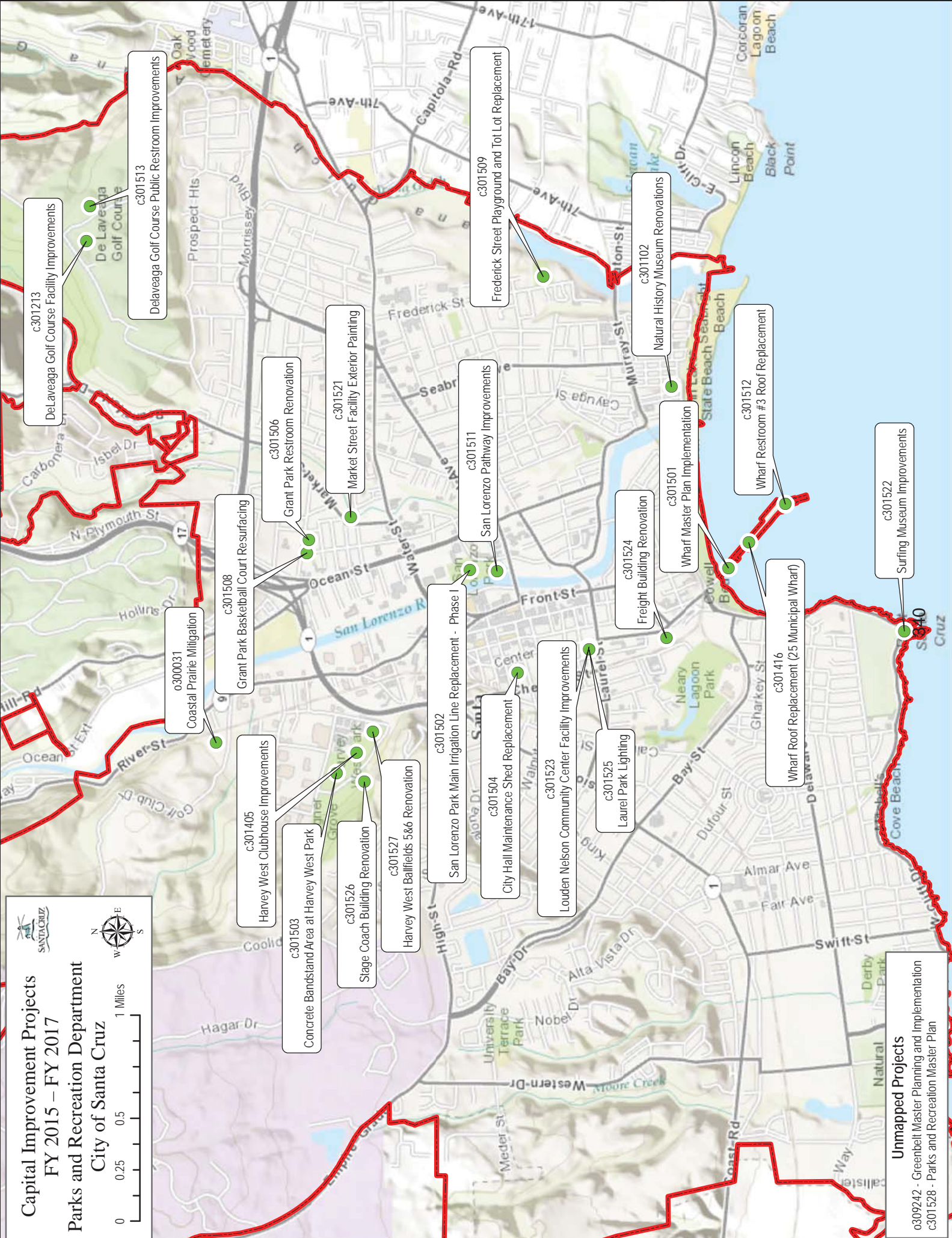
Fire Totals

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	-	-	-	-	235,000	635,000	870,000	

Parks and Recreation Department Capital Improvement Projects



**Capital Improvement Projects
FY 2015 – FY 2017
Parks and Recreation Department
City of Santa Cruz**



Unmapped Projects
 o309242 - Greenbelt Master Planning and Implementation
 c301528 - Parks and Recreation Master Plan

c301213
Delaveaga Golf Course Facility Improvements

c301513
Delaveaga Golf Course Public Restroom Improvements

c300031
Coastal Prairie Mitigation

c301405
Harvey West Clubhouse Improvements

c301503
Concrete Bandstand Area at Harvey West Park

c301526
Stage Coach Building Renovation

c301527
Harvey West Ballfields 5&6 Renovation

c301502
San Lorenzo Park Main Irrigation Line Replacement - Phase I

c301504
City Hall Maintenance Shed Replacement

c301523
Louden Nelson Community Center Facility Improvements

c301525
Laurel Park Lighting

c301508
Grant Park Basketball Court Resurfacing

c301506
Grant Park Restroom Renovation

c301521
Market Street Facility Exterior Painting

c301511
San Lorenzo Pathway Improvements

c301523
Louden Nelson Community Center Facility Improvements

c301525
Laurel Park Lighting

c301524
Freight Building Renovation

c301501
Wharf Master Plan Implementation

c301416
Wharf Roof Replacement (25 Municipal Wharf)

c301512
Wharf Restroom #3 Roof Replacement

c301522
Surfing Museum Improvements

c301509
Frederick Street Playground and Tot Lot Replacement

c301102
Natural History Museum Renovations

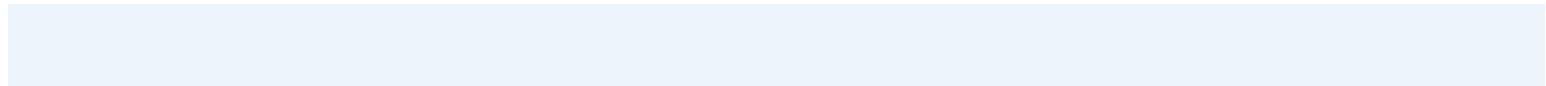
DeLaveaga Golf Course Building Remodel

Project Description:

DeLaveaga golf course building remodel.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 311-30-41-9110-57203	
Project # c301801								
Project Cost Estimate:	-	-	-	300,000	-	-		300,000
Net Project Cost Estimates:	-	-	-	300,000	-	-		300,000

New Capital Projects for General Capital Improvement Fund (311) Totals



	Fiscal Year 2017						Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Total Project Cost Estimate:	-	-	-	300,000	-	-	300,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	300,000	-	-	300,000

City Parks' Repair and Maintenance

Project Description:

Establish funding for unexpected and unforeseen projects throughout City parks.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301612	Account # 311-30-41-9110-57312						
Project Cost Estimate:	14,270	35,730	35,730	-	-	-	-
Project Funding Estimates:							
Parks and Rec Facilities Tax Fund	14,270	35,730	35,730	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Civic Auditorium General Lighting Improvements

Project Description:

Improvements to general lighting in the Civic Auditorium

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301603	Account # 311-30-41-9120-57290						
Project Cost Estimate:	-	75,000	75,000	-	-	-	-
Project Funding Estimates:							
Quimby SW Quadrant	-	75,000	75,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Civic Auditorium Theatre Lighting Improvements

Project Description:

Improvements to theatre lighting in the Civic Auditorium

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301604	Account # 311-30-41-9120-57290						
Project Cost Estimate:	53,522	13,478	13,478	-	-	-	-
Project Funding Estimates:							
Parks and Rec Facilities Tax Fund	53,522	13,478	13,478	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

DeLaveaga Golf Course Facility Improvements

Project Description:

Repairs and improvements to golf course facilities such as roof repair, plumbing, and painting.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301213	Account # 311-30-45-3131-57106						
Project Cost Estimate:	139,195	60,805	60,805	-	-	-	-
Project Funding Estimates:							
ks and Rec Facilities Tax Fund	50,000	25,000	25,000	-	-	-	-
Net Project Cost Estimates:	89,195	35,805	35,805	-	-	-	-

Delaveaga Golf Course Public Restroom Improvements

Project Description:

Improvements to the public restrooms at Delaveaga Golf Course Lodge.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301513	Account # 311-30-41-9120-57203						
Project Cost Estimate:	4,320	55,680	55,680	-	-	-	-
Project Funding Estimates:							
ks and Rec Facilities Tax Fund	4,320	55,680	55,680	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

DeLaveaga Park Parking Lot Rehabilitation

Project Description:

Remove old asphalt, fix drainage, apply asphalt and slurry seal, and re-stripe.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c300901	Account # 311-30-41-9110-57309						
Project Cost Estimate:	155,725	44,275	44,275	-	-	-	-
Project Funding Estimates:							
Quimby NE Quadrant	155,725	44,275	44,275	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

DeLaveaga Park Watershed Management

Project Description:

Provides for watershed management for DeLaveaga Park.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301203	Account # 311-30-41-9110-57312						
Project Cost Estimate:	50,549	50,000	50,000	-	-	-	-
Project Funding Estimates:							
Quimby NE Quadrant	50,549	50,000	50,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Grant Park Restroom Renovation

Project Description:

Project includes installation of new fixtures, refinishing walls and floors with graffiti resistant material, new partitions and ventilation.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301506	Account # 311-30-41-9120-57203						
Project Cost Estimate:	-	30,000	30,000	-	-	-	-
Project Funding Estimates:							
Parks and Rec Facilities Tax Fund	-	30,000	30,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Harvey West Park Restroom Renovations

Project Description:

Multi-phased project to evaluate, design, and implement improvements to the restrooms while addressing ADA compliance.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301609	Account # 311-30-41-9120-57203						
Project Cost Estimate:	7,780	82,220	82,220	-	-	-	-
Project Funding Estimates:							
Quimby NW Quadrant	7,780	82,220	82,220	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Louden Nelson Community Center Improvements

Project Description:

Improvements to Louden Nelson Community Center funded by grant from Department of Housing and Community Development.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301703							Account # 311-30-43-9210-57203
Project Cost Estimate:	-	572,675	572,675	-		-	
Project Funding Estimates:							
State capital grants	-	572,675	572,675	-	-	-	-
Net Project Cost Estimates:	-	-	-	-		-	

Natural Bridges Gymnasium Floor Repair, Replacement

Project Description:

Natural Bridges Elementry School gymnasium is used by City Parks and Recreation for adult and youth sports programs. Located in the southwest quadrant of the City, we request allocation of parks fees and taxes received from this quadrant for the improvements. The expenses related to this project will be shared with the school.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301702							Account # 311-30-41-9210-57203
Project Cost Estimate:	-	10,000	10,000	-	-	-	-
Project Funding Estimates:							
Quimby SW Quadrant	-	10,000	10,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Parks and Recreation Master Plan

Project Description:

Develop a Parks and Recreation Master Plan that helps guide the Department into the future.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301528							Account # 311-30-41-9120-57290
Project Cost Estimate:	64,921	135,079	135,079	-	-	-	-
Project Funding Estimates:							
From General Plan Fund	-	-	-	-	-	-	-
Parks and Rec Facilities Tax Fund	14,304	-	-	-	-	-	-
Quimby NW Quadrant	35,697	-	-	-	-	-	-
Net Project Cost Estimates:	14,920	135,079	135,079	-	-	-	-

Replace Civic Aud Air Handler Motors - CEC

Project Description:

Replace electric motors on two air handlers, including new electrical service from electrical panel installed in 2000 and repairing a motorized dampner and cleaning all equipment. Energy savings of 10,610 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301616							Account # 311-30-41-9210-57290
Project Cost Estimate:	-	22,692	22,692	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	22,692	22,692	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Golf Cart Storage Lighting - CEC

Project Description:

Replace interior lighting with LED fixtures with daylight controls, continuous dimming, wireless control and motion control. Energy savings of 16,311 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301618							Account # 761-30-45-7653-57305
Project Cost Estimate:	-	39,413	39,413	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	39,413	39,413	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Pool House Pumps - CEC

Project Description:

Replace two pool pumps and install VFDs and controllers to sequence pumps and reduce flows when unoccupied. Energy savings of 37,798 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301620							Account # 311-30-41-9210-57290
Project Cost Estimate:	-	50,627	50,627	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	50,627	50,627	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Retrofit Civic Aud Interior Lighting - CEC

Project Description:

Comprehensive interior lighting retrofit with LED and F28T8 fluorescent fixtures where appropriate. Energy savings of 24,413 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301615							Account # 311-30-41-9210-57305
Project Cost Estimate:	-	49,052	49,052	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	49,052	49,052	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Retrofit Golf Clubhouse Lighting - CEC

Project Description:

Comprehensive interior lighting retrofit which includes LED fixtures with daylight controls, continuous dimming, wireless control and motion control. Energy savings of 21,393 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301617							Account # 761-30-45-7653-57305
Project Cost Estimate:	-	51,981	51,981	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	51,981	51,981	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Retrofit Louden Center Lighting - CEC

Project Description:

Comprehensive interior lighting retrofit with LED and F28T8 fluorescent fixtures where appropriate, and daylighting controls, continuous dimming, wireless control and motion sensors. Energy savings of 12,470 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c301619							Account # 311-30-41-9210-57305
Project Cost Estimate:	-	23,787	23,787	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	23,787	23,787	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Scott Kennedy Field Replacement

Project Description:

Establish annual funding for future replacement of existing artificial turf field surface.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c301605	Account # 311-30-41-9110-57312							
Project Cost Estimate:	-	100,000	100,000	-	-	-	-	
Project Funding Estimates:								
Quimby NW Quadrant	-	100,000	100,000	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Surfing Museum Improvements

Project Description:

This project will replace all the exterior railing at the Surf Museum which is located at the Lighthouse at Lighthouse Field. The project will include much needed improvement to the 29 year old exhibits on display.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c301522	Account # 311-30-41-9120-57203							
Project Cost Estimate:	-	48,000	48,000	-	-	-	-	
Project Funding Estimates:								
Quimby SW Quadrant	-	48,000	48,000	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Existing Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	490,282	1,550,494	1,550,494	-	-	-	-
Total Project Funding Estimate:	386,167	1,379,610	1,379,610	-	-	-	-
Total Net Project Cost Estimate:	104,115	170,884	170,884	-	-	-	-

Parks and Recreation Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	490,282	1,550,494	1,550,494	300,000	-	-	300,000
Total Project Funding Estimate:	386,167	1,379,610	1,379,610	-	-	-	-
Total Net Project Cost Estimate:	104,115	170,884	170,884	300,000	-	-	300,000

Parks and Recreation Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	490,282	1,550,494	1,550,494	300,000	-	-	300,000
Total Project Funding Estimate:	386,167	1,379,610	1,379,610	-	-	-	-
Total Net Project Cost Estimate:	104,115	170,884	170,884	300,000	-	-	300,000

Public Works Department Capital Improvement Projects

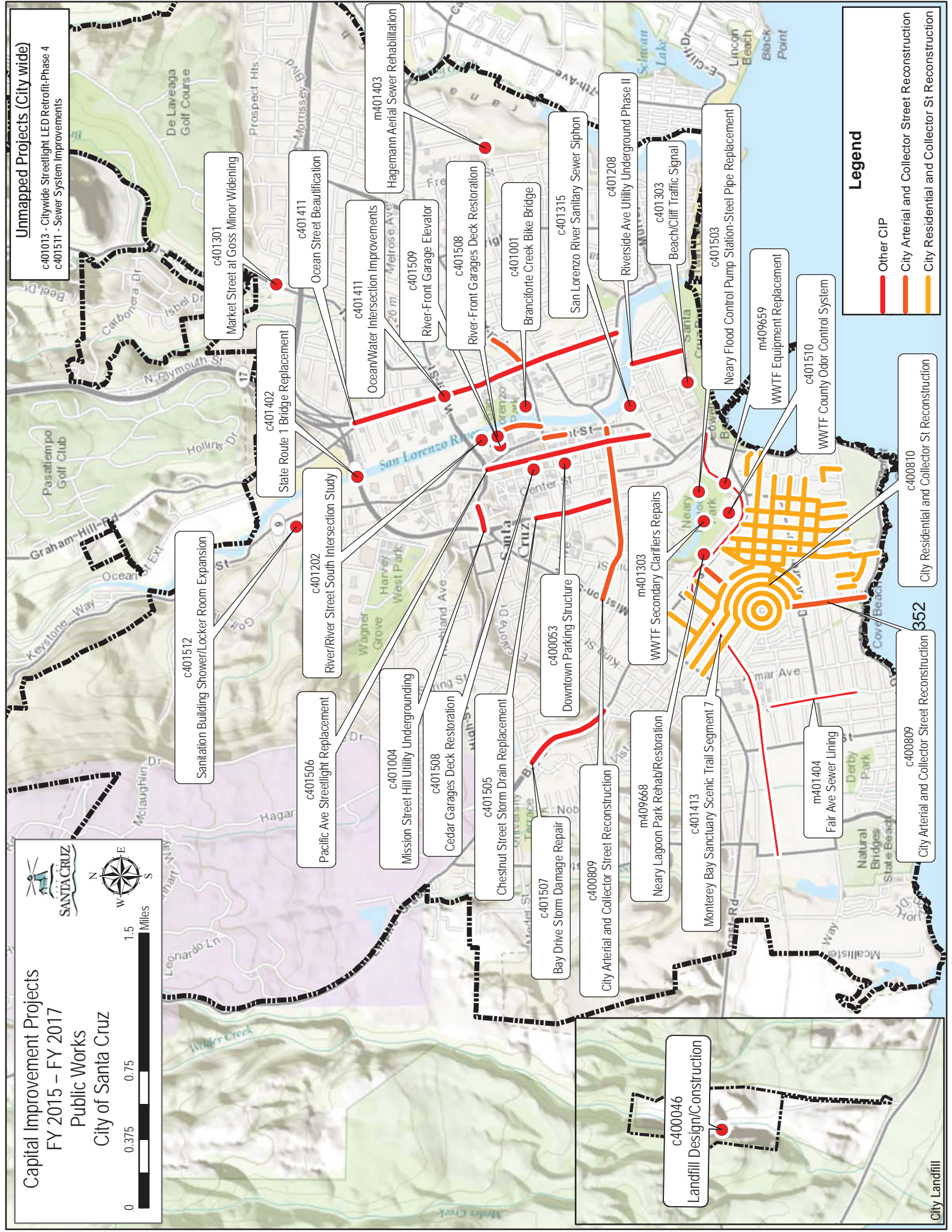


The Branciforte Bike/Pedestrian Bridge and Path under construction. This project will complete the “missing link” to the City’s 5.2 mile San Lorenzo River Levee.

Capital Improvement Projects
 FY 2015 – FY 2017
 Public Works
 City of Santa Cruz



Unmapped Projects (City wide)
 c401013 - Citywide Streetlight LED Retrofit-Phase 4
 c401511 - Sewer System Improvements



- c401512 Sanitation Building Shower/Locker Room Expansion
- c401506 Pacific Ave Streetlight Replacement
- c401004 Mission Street Hill Utility Undergrounding
- c401508 Cedar Garages Deck Restoration
- c401505 Chestnut Street Storm Drain Replacement
- c401507 Bay Drive Storm Damage Repair
- c400809 City Arterial and Collector Street Reconstruction
- m409668 Neary Lagoon Park Rehab/Restoration
- c401413 Monterey Bay Sanctuary Scenic Trail Segment 7
- c400046 Landfill Design/Construction
- c401509 River-Front Garage Elevator
- c401508 River-Front Garages Deck Restoration
- c401001 Branciforte Creek Bike Bridge
- c401315 San Lorenzo River Sanitary Sewer Siphon
- c401208 Riverside Ave Utility Underground Phase II
- c401303 Beach/Cliff Traffic Signal
- c401503 Neary Flood Control Pump Station-Steel Pipe Replacement
- m409659 WWTF Equipment Replacement
- c401510 WWTF County Odor Control System
- c401402 State Route 1 Bridge Replacement
- c401202 River/River Street South Intersection Study
- c401411 Ocean/Water Intersection Improvements
- c401509 River-Front Garage Elevator
- c401508 River-Front Garages Deck Restoration
- c401001 Branciforte Creek Bike Bridge
- c401315 San Lorenzo River Sanitary Sewer Siphon
- c401208 Riverside Ave Utility Underground Phase II
- c401303 Beach/Cliff Traffic Signal
- c401503 Neary Flood Control Pump Station-Steel Pipe Replacement
- m409659 WWTF Equipment Replacement
- c401510 WWTF County Odor Control System
- c400053 Downtown Parking Structure
- m401303 WWTF Secondary Clarifiers Repairs
- m401404 Fair Ave Sewer Lining
- c400809 City Arterial and Collector Street Reconstruction
- c400810 City Residential and Collector St Reconstruction
- c401403 Hagemann Aerial Sewer Rehabilitation
- c401301 Market Street at Goss Minor Widening
- c401411 Ocean Street Beautification
- c401411 Ocean/Water Intersection Improvements
- c401509 River-Front Garage Elevator
- c401508 River-Front Garages Deck Restoration
- c401001 Branciforte Creek Bike Bridge
- c401315 San Lorenzo River Sanitary Sewer Siphon
- c401208 Riverside Ave Utility Underground Phase II
- c401303 Beach/Cliff Traffic Signal
- c401503 Neary Flood Control Pump Station-Steel Pipe Replacement
- m409659 WWTF Equipment Replacement
- c401510 WWTF County Odor Control System

Legend

- Other CIP
- City Arterial and Collector Street Reconstruction
- City Residential and Collector St Reconstruction

HSIP Crossing Improvements

Project Description:

This HSIP Cycle 8 transportation safety grant provides funding to improve safety at 21 identified nonsignalized intersections throughout the city. The project includes pedestrian markings, signs, new curb ramps, streetlights, bulb-outs and Rectangular Rapid Flashing Beacons (RRFB) on the Soquel, Seabright, North Branciforte, King, Bay, Alta and Bethany Curve avenues and streets.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 221-40-64-9330-57307	
Project # c401801								
Project Cost Estimate:	-	-	-	982,200	-	-	982,200	
Project Funding Estimates:								
Federal Grants (HSIP)	-	-	-	982,200	-	-	982,200	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Streetlights 555 Pacific to Beach

Project Description:

Installation of approximately 7 decorative street lights on Pacific Avenue, between Pacific Avenue and the Depot roundabout. This completes a missing segment of the Pacific Avenue style decorative street lights between 555 Pacific Avenue and the roundabout. The project would be implemented concurrently with the development of the 555 Pacific Avenue streetscape improvements.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 221-40-64-9320-57307	
Project # c401813								
Project Cost Estimate:	-	-	-	45,000	-	-	45,000	
Net Project Cost Estimates:	-	-	-	45,000	-	-	45,000	

New Capital Projects for Gas Tax Fund (221) Totals

	Fiscal Year 2017			FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	1,027,200	-	-	1,027,200
Total Project Funding Estimate:	-	-	-	982,200	-	-	982,200
Total Net Project Cost Estimate:	-	-	-	45,000	-	-	45,000

Bay and King Streets Protected Left-Turns and Streetlights

Project Description:

This Highway Safety Improvement Program (HSIP) Cycle 7 safety project converts the permissive left-turns (no arrow indicator) at the intersection to protected left-turns (green-red indicator arrow) on Bay at King and provides street lighting between Escalona and King. This is a very important safety project for bicyclists and pedestrian, and is fully funded by the federal HSIP grant.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401616							Account # 221-40-64-9330-57306
Project Cost Estimate:	-	336,900	336,900	-	-	-	-
Project Funding Estimates:							
Federal Grants (HSIP)	-	336,900	336,900	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Bay Street Sidewalk Completion Infill

Project Description:

This Highway Safety Improvement Program (HSIP) Cycle 7 safety project provides sidewalks on the west side of Bay Street, between Escalona and King. This is a very important safety project for pedestrians, and is funded 88.53% by the federal HSIP grant.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401615							Account # 221-40-64-9330-57307
Project Cost Estimate:	-	627,700	627,700	-	-	-	-
Project Funding Estimates:							
Federal Grants (HSIP)	-	564,930	564,930	-	-	-	-
Net Project Cost Estimates:	-	62,770	62,770	-	-	-	-

Bay/High Intersection Improvements

Project Description:

With General Plan buildout this intersection will operate at LOS F and currently has collisions associated with unprotected left-turns. The proposed improvements are based on recommendations of a transportation study. Improvements may include the installation of protected left-turns on High Street or a roundabout. Concept approval, environmental review and design in FY17, with construction anticipated in FY18 if approved. The cost estimate is preliminary and will be refined during current phase. Project is contingent on City, University and grant approval. Air District grant for concept development was approved. Grant application for additional funding has not yet been filed.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401103	Account # 221-40-64-9320-57306						
Project Cost Estimate:	61,890	648,110	648,110	-	1,500,000	-	1,500,000
Project Funding Estimates:							
Traffic Impact - Citywide	31,890	248,110	248,110	-	300,000	-	300,000
Local grant - MBUAPCD	30,000	-	-	-	-	-	-
Fed grants - STIP	-	400,000	400,000	-	1,200,000	-	1,200,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

Beach/Cliff Traffic Signal

Project Description:

Project is in the approved Beach/SOLA plan and will reduce congestion, and improve pedestrian and bike safety. Project is contingent on collecting traffic impact fees and grant award. Grant application for funding has not yet been filed.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401303	Account # 221-40-64-9320-57306						
Project Cost Estimate:	-	230,000	230,000	-	-	-	-
Project Funding Estimates:							
Traffic Impact - Citywide	-	70,000	70,000	-	-	-	-
Federal capital grants	-	160,000	160,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Branciforte Creek Bike/Pedestrian Bridge

Project Description:

Project is included in the approved Bike and San Lorenzo River Plans. The project provides an important bike and pedestrian connection between the San Lorenzo Park and the levee path south of the Soquel Bridge, and includes a bike/pedestrian bridge crossing over Branciforte Creek. Design and environmental review are complete and approved by City Council. A state only funded Active Transportation Program grant of \$1.8 million was awarded in FY16 for construction. A construction contract was awarded and will start in April 2017.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401001	Account # 221-40-64-9370-57310						
Project Cost Estimate:	517,964	2,457,036	2,457,036	-	-	-	-
Project Funding Estimates:							
State capital grants	75,000	1,800,000	1,800,000	-	-	-	-
Traffic Impact - Citywide	99,355	100,645	100,645	-	-	-	-
RDA Successor Agency	48,208	-	-	-	-	-	-
State grants-RXTPX Funds	300,000	-	-	-	-	-	-
Net Project Cost Estimates:	(4,599)	556,391	556,391	-	-	-	-

Bridge Maintenance

Project Description:

Repair of identified maintenance deficiencies such as damaged deck joints, concrete spalling and rust on several local bridges. Repairs have been identified through regular inspections by Caltrans Structures staff. Contingent on availability of state or federal grant funding.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m401302	Account # 221-40-64-9370-57310						
Project Cost Estimate:	-	198,841	198,841	200,000	-	-	200,000
Project Funding Estimates:							
State capital grants	-	160,000	160,000	180,000	-	-	180,000
Net Project Cost Estimates:	-	38,841	38,841	20,000	-	-	20,000

Citywide Safe Routes to School Crossing Improvements

Project Description:

The project is a combination of infrastructure projects and non-infrastructure program funded through an approved Active Transportation Program Cycle 2 grant in the amount of \$1.404 million. It includes high-priority selected improvements at intersections around Santa Cruz City Schools and supports education and encouragement programs.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401617							Account # 221-40-64-9330-57307
Project Cost Estimate:	-	1,404,000	1,404,000	-	-	-	-
Project Funding Estimates:							
Fed grants - STIP	-	1,404,000	1,404,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Citywide Traffic Signal Controller Upgrade

Project Description:

This project will upgrade existing traffic signal control systems at 33 intersections Citywide. The current controllers are 1980's technology and should be upgraded to current technology that will improve performance and communications, and in some locations be capable of using the interconnected adaptive technology, such as the project that was recently completed on Ocean Street.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401602							Account # 221-40-64-9330-57307
Project Cost Estimate:	-	165,000	165,000	-	165,000	-	165,000
Net Project Cost Estimates:	-	165,000	165,000	-	165,000	-	165,000

Murray Street Bridge Seismic Retrofit and Barrier Rail

Project Description:

Seismic retrofit of existing bridge over the Harbor. The project concept has been approved by Council in the past and includes new railings, wider bike lanes and sidewalk, and street lighting. The relocation of harbor facilities and boat docks is required during construction, as well as one-way traffic control on the bridge. Environmental review was completed in FY 2012, allowing the design and right-of-way process to proceed and is currently underway. Federal grant funds have been approved and the project is eligible for State Proposition 1B funds in lieu of a large local match. Construction has been delayed approximately one year to address County Sanitation District changes to the force main under the harbor, and is also contingent on right-of-way approval and utility relocation.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c409321							Account # 221-40-62-9370-57310
Project Cost Estimate:	4,016,116	8,376,400	8,376,400	-	-	-	-
Project Funding Estimates:							
State capital grants	212,764	-	-	-	-	-	-
Federal capital grants	2,753,901	8,383,966	8,383,966	-	-	-	-
Local capital grants	-	300,000	300,000	-	-	-	-
Net Project Cost Estimates:	1,049,451	(307,566)	(307,566)	-	-	-	-

Ocean/Water Intersection Improvements

Project Description:

This project is in the Citywide Cumulative Development Traffic Study and General Plan to address build out conditions. It is consistent with the Ocean Street Plan. This project includes a second left-turn lane on Water southbound to Water, and a right-turn lane on Water eastbound. The project will include the new Ocean Street design concepts. Signal modifications and widening are also required. The project design has been initiated and construction will be initiated in FY 2017-18.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401410	Account # 221-40-64-9320-57304							
Project Cost Estimate:	14,562	735,348	500,000	-	-	-	-	
Project Funding Estimates:								
Donations-other	20,000	-	-	-	-	-	-	
Capital contributions-developers	-	150,000	-	-	-	-	-	
Traffic Impact - Citywide	-	-	-	500,000	-	-	500,000	
Net Project Cost Estimates:	(5,438)	585,348	500,000	(500,000)	-	-	(500,000)	

Riverside/Second Intersection Improvements

Project Description:

This intersection improvement project has been changed to eliminate the need for Beach/SOLA plan recommended traffic signal or roundabout. The Council approved concept includes pedestrian activated flashers, streetscape, changing Leibbrandt one-way inbound and removing the stop controls. This project schedule is included in the Riverside Ave Utility undergrounding project.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401105	Account # 221-40-64-9320-57306							
Project Cost Estimate:	75,296	174,704	174,704	-	-	-	-	
Project Funding Estimates:								
Traffic Impact - Citywide	50,000	-	-	174,704	-	-	174,704	
Net Project Cost Estimates:	25,296	174,704	174,704	(174,704)	-	-	(174,704)	

Soquel at Frederick Minor Widening

Project Description:

Minor widening of Soquel at Frederick to improve east-bound lane transition, and on Frederick to improve the bike lane and vehicle lane assignments. Includes right-turn overlap phase to improve intersection operational efficiency and highlighting pedestrian crossings. RSTP grant approved for construction.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401003	Account # 221-40-64-9311-57304							
Project Cost Estimate:	16,178	321,822	321,822	-	-	-	-	
Project Funding Estimates:								
RDA Successor Agency	1,870	-	-	-	-	-	-	
State capital grants	-	188,000	188,000	-	-	-	-	
Net Project Cost Estimates:	14,308	133,822	133,822	-	-	-	-	

State Route 1 Bridge Replacement

Project Description:

The Project Study Report (PDS) has identified the need to replace and widen the critical Highway 1 bridge over the San Lorenzo River. The City has completed the PDS and will start environmental review and design in FY 2017 as staff resources become available. The PDS was approved by Caltrans. The projects goals are to improve traffic capacity, safety, flood flows and fish passage, and provide seismic stability. With the current deteriorated condition of the bridge, replacement is highly recommended. The PDS estimates the construction cost range from \$9 to \$15 million. A grant application has not yet been filed.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401402	Account # 221-40-64-9370-57310						
Project Cost Estimate:	-	1,350,000	1,350,000	-	-	15,500,000	15,500,000
Project Funding Estimates:							
Federal capital grants	-	500,000	500,000	-	-	14,000,000	14,000,000
Net Project Cost Estimates:	-	850,000	850,000	-	-	1,500,000	1,500,000

State Route 1/9 Intersection Improvements

Project Description:

The project had been recommended in the Harvey West Traffic Studies, Citywide Cumulative Development Traffic Study and General Plan to reduce congestion and improve safety. The Project Study Report and environmental review are completed and approved by Caltrans. Project design had been initiated in FY 2015 and right-of-way acquisition initiated in 2017 based on the 65% design plans. Construction of the intersection improvements is anticipated in FY2018 but is contingent on row acquisition and state approvals. STIP grants of \$1,329,000 were awarded for construction.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c400805	Account # 221-40-64-9330-57304						
Project Cost Estimate:	2,148,841	8,962,261	8,962,261	2,660,000	-	-	2,660,000
Project Funding Estimates:							
RDA Successor Agency	5,108	500,000	500,000	-	-	-	-
Traffic Impact - Citywide	141,779	2,766,221	2,766,221	1,660,000	-	-	1,660,000
State grants - Prop 1B	-	2,000,000	2,000,000	-	-	-	-
Federal capital grants	-	1,329,000	1,329,000	1,000,000	-	-	1,000,000
Net Project Cost Estimates:	2,001,954	2,367,040	2,367,040	-	-	-	-

West Cliff Drive Multi-use Path Pavement Rehabilitation

Project Description:

This project will address some of the deferred maintenance of the path surface with patching, edge repair and slurry paving of the multi-use path. The first phase from Bay to Lighthouse Field was completed in FY 2012 and the second phase from Lighthouse to John Street was completed in FY 2015. The third phase is being developed for construction in FY2018 and includes additional funds. The project is implemented to minimize disruption for path users.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # m400819	Account # 221-40-64-9330-57304						
Project Cost Estimate:	341,878	60,000	60,000	40,000	-	-	40,000
Project Funding Estimates:							
State grants - TDA	306,152	-	-	-	-	-	-
General CIP Fund	35,726	-	-	-	-	-	-
Net Project Cost Estimates:	-	60,000	60,000	40,000	-	-	40,000

Existing Capital Projects for Gas Tax Fund (221) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	7,192,724	26,048,122	25,812,774	2,900,000	1,665,000	15,500,000	20,065,000
Total Project Funding Estimate:	4,111,753	21,361,772	21,211,772	3,514,704	1,500,000	14,000,000	19,014,704
Total Net Project Cost Estimate:	3,080,971	4,686,350	4,601,002	(614,704)	165,000	1,500,000	1,050,296

Public Works Totals for Gas Tax Fund (221)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	7,192,724	26,048,122	25,812,774	3,927,200	1,665,000	15,500,000	21,092,200
Total Project Funding Estimate:	4,111,753	21,361,772	21,211,772	4,496,904	1,500,000	14,000,000	19,996,904
Total Net Project Cost Estimate:	3,080,971	4,686,350	4,601,002	(569,704)	165,000	1,500,000	1,095,296

Cowell Beach Water Quality Project

Project Description:

Project includes the following tasks, some of which are complete: 1) Installed screening under the wharf on and near shore to prevent pigeons from roosting near the Cowells beach hotspot; 2) Convened a panel of outside experts to review the City's current testing regime and provide advice on future testing; 3) Continue Microbial Source Tracking testing; and 4) Provide funding to the Cowell Beach Working Group.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401614	Account # 235-40-60-9235-57311						
Project Cost Estimate:	36,868	113,132	113,132	-	-	-	-
Project Funding Estimates:							
Wastewater Fund	36,868	3,132	3,132	-	-	-	-
From General Fund	-	10,000	10,000	-	-	-	-
Net Project Cost Estimates:	-	100,000	100,000	-	-	-	-

Stormwater Trash Capture Program

Project Description:

The State Water Resources Control Board adopted an amendment to the SWQC Permit requiring the city to "capture all trash". The permit amendment requires the City to implement a program within 10 years. The funding will assist in developing the program.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401701	Account # 235-40-60-9235-57311						
Project Cost Estimate:	-	100,000	100,000	-	-	-	-
Net Project Cost Estimates:	-	100,000	100,000	-	-	-	-

Existing Capital Projects for Clean Rivers & Beaches Fund (235) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	36,868	213,132	213,132	-	-	-	-
Total Project Funding Estimate:	36,868	13,132	13,132	-	-	-	-
Total Net Project Cost Estimate:	-	200,000	200,000	-	-	-	-

Public Works Totals for Clean Rivers & Beaches Fund (235)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	36,868	213,132	213,132	-	-	-	-
Total Project Funding Estimate:	36,868	13,132	13,132	-	-	-	-
Total Net Project Cost Estimate:	-	200,000	200,000	-	-	-	-

Curtis Street Storm Drain Phase II

Project Description:

Design and construct approximately 700 feet of 36 inch diameter storm drain line on Curtis, Coulson and Berry Streets to reduce flooding of streets, sidewalks and private property. This builds on the Phase I project downstream that is under construction.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401802	Account # 311-40-64-9340-57311						
Project Cost Estimate:	-	-	-	-	-	500,000	500,000
Net Project Cost Estimates:	-	-	-	-	-	500,000	500,000

Market Street Sidewalk and Bike Lane

Project Description:

Construct sidewalk within the existing Market Street roadway, between Avalon and Stoney Creek Rd, where none currently exists. Requires installation of a new marked crosswalk near Avalon St to provide continuity on the west side of the street. Project includes minor widening at Market/Goss Ave to complete sidewalk, ramp and bike lane. A grant has not yet been approved.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401806	Account # 311-40-64-9330-57307						
Project Cost Estimate:	-	-	-	-	-	520,000	520,000
Project Funding Estimates:							
Federal capital grants	-	-	-	-	-	400,000	400,000
Measure D	-	-	-	-	-	100,000	100,000
Local contributions-developers	-	-	-	-	-	20,000	20,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

MB Sanctuary Scenic Trail (Rail Trail) Segments 8 & 9

Project Description:

This ATP Cycle 3 project includes funding for the design and environmental review of the rail trail segments 8 & 9, between the Wharf Roundabout and 17th Avenue. The proposed 2.18 mile trail is within the City and County of Santa Cruz and will be a joint project for the purpose of this grant. Additional funding will be needed for construction. A non-infrastructure component for safety, education and encouragement is included in the funding. The Land Trust of Santa Cruz County is providing the local match to this approved grant.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401804	Account # 311-40-64-9330-57307						
Project Cost Estimate:	-	-	-	-	4,669,000	-	4,669,000
Project Funding Estimates:							
Federal capital grants	-	-	-	-	3,169,000	-	3,169,000
Local grant - MBUAPCD	-	-	-	-	1,500,000	-	1,500,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

Seabright Beach CMP Replacement

Project Description:

The corrugated metal pipe (CMP) that carries storm water flow from lower Seabright (near the Natural History Museum) and Brook Creek is deteriorated, from the creek to the outlet box on Seabright Beach and is need of replacement.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401803	Account # 311-40-64-9340-57311						
Project Cost Estimate:	-	-	-	-	170,000	-	170,000
Net Project Cost Estimates:	-	-	-	-	170,000	-	170,000

SLR Parkway Phase III

Project Description:

This project proposes to reconstruct the San Lorenzo River Trestle Walkway to increase the width from 4 feet to 10 feet based on a recently completed feasibility study funded by The Land Trust of Santa Cruz County. New safety railing and connections at each end of bridge will be incorporated into the project. The State Resource Agency funding has been approved and will fund the design, environmental review and permitting. Remaining resource Agency funds and Measure D will be allocated to fund construction.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401807	Account # 311-40-64-9330-57307						
Project Cost Estimate:	-	-	-	1,550,000	-	-	1,550,000
Project Funding Estimates:							
State natural resources agency	-	-	-	550,000	-	-	550,000
Measure D	-	-	-	1,000,000	-	-	1,000,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

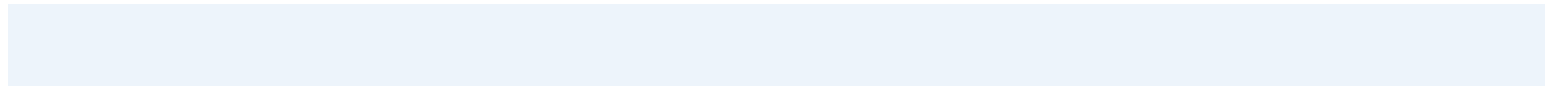
Swanton Blvd Multi-Use Trail Connector

Project Description:

This project proposes a 10-12 foot wide multi-use trail along Swanton Blvd, from West Cliff to Delaware, and along Delaware to Natural Bridges Drive. Improved lighting, curb ramps, islands, signs and striping are proposed at the intersection. This project fills a missing gap between West Cliff Drive and Mission Street Extension, providing improved and safer access to many public, commercial and residential activity centers. This multi-use trail is adjacent to Natural Bridge State Park and State Parks is supportive of the project. A grant has not yet been approved.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401805	Account # 311-40-64-9330-57307						
Project Cost Estimate:	-	-	-	-	-	600,000	600,000
Project Funding Estimates:							
Federal capital grants	-	-	-	-	-	400,000	400,000
Measure D	-	-	-	-	-	200,000	200,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

New Capital Projects for General Capital Improvement Fund (311) Totals



	Fiscal Year 2017			FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	1,550,000	4,839,000	1,620,000	8,009,000
Total Project Funding Estimate:	-	-	-	1,550,000	4,669,000	1,120,000	7,339,000
Total Net Project Cost Estimate:	-	-	-	-	170,000	500,000	670,000

Bay Drive Storm Damage Repair

Project Description:

The slope between the median trail and the creek, on the west side and between Escalona and Nobel was eroded in a past storm. Ongoing erosion will impact the road and the trail and staff has determined a repair is needed soon. This project will be completed with the assistance of Parks and Recreation. Storm damage funding is not available.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401507	Account # 311-40-62-9320-57306						
Project Cost Estimate:	7,648	217,352	217,352	-	-	-	-
Net Project Cost Estimates:	7,648	217,352	217,352	-	-	-	-

Catch Basin Replacement Program

Project Description:

Upgrade 15 non-standard catch basins with standard Type B catch basins at various locations throughout the city to reduce clogging during rainfall, minimizing maintenance and localized flooding.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401610	Account # 311-40-64-9330-57307						
Project Cost Estimate:	73,826	-	-	75,000	75,000	75,000	225,000
Project Funding Estimates:							
None	-	-	-	-	-	-	-
Gas Tax Fund	-	-	-	75,000	-	-	75,000
Net Project Cost Estimates:	73,826	-	-	-	75,000	75,000	150,000

Chestnut Street Storm Drain Replacement

Project Description:

The Chestnut Street Storm drain, north of Laurel Street to Church Street, is in very poor condition and should be replaced. The design process will determine the extent of the deterioration and which sections can be rehabilitated and which will be replaced. There is approximately 2000 lineal feet of storm drain pipe that will be evaluated.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401505	Account # 311-40-64-9340-57311						
Project Cost Estimate:	-	-	-	-	250,000	-	250,000
Net Project Cost Estimates:	-	-	-	-	250,000	-	250,000

CMP Storm Drain Pipe Replacement

Project Description:

Corrugated Metal Pipe (CMP) storm drain pipe has a useful life of approximately 50 years. There are several of these storm drains citywide where the pipe has corroded and collapsed, necessitating replacement with plastic pipe which has a longer useful life. Currently there are 5 locations slated for repair, with more anticipated in future years.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401709							Account # 311-40-64-9340-57311
Project Cost Estimate:	-	50,000	50,000	50,000	100,000	50,000	200,000
Project Funding Estimates:							
From General Fund	-	-	-	-	-	-	-
Gas Tax Fund	-	-	-	50,000	-	-	50,000
Net Project Cost Estimates:	-	50,000	50,000	-	100,000	50,000	150,000

Contra-Flow bike lane for Pacific Avenue

Project Description:

Contra-Flow bike lane for Pacific Avenue

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401710							Account # 311-40-64-9330-57307
Project Cost Estimate:	-	60,000	60,000	-	-	-	-
Project Funding Estimates:							
State grants - TDA	-	60,000	60,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Curtis Storm Drain - Phase 1

Project Description:

This area has, including the intersections of Berry/Grant, Berry/Coulson and Glenwood Street experience flooding episodes and sand bags are deployed in the winter to keep water out of private structures. The project replaces 300 lineal feet of 18 inch diameter and 700 lineal feet of 24 inch diameter storm drain pipe with new 36 inch diameter storm drain pipe and constructing 200 lineal feet of new 24 inch diameter storm drain pipe to the Branciforte Creek outfall. Due to this area experiencing storm water infiltration overtaxing the sanitary sewer, wastewater funds identified in the Wastewater CIP will fund a portion of the project.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401308							Account # 311-40-64-9340-57311
Project Cost Estimate:	21,272	459,728	459,728	-	-	-	-
Net Project Cost Estimates:	21,272	459,728	459,728	-	-	-	-

East Cliff Emergency Repair at Alhambra Ave

Project Description:

The slope above Seabright Beach continues to erode following the March 2011 storm and two old cement bag infill walls have failed and fallen onto the beach. The sidewalk and railing are at risk of failing. The project proposes to relocate the sidewalk and railing towards the street and replace parking. The project received a coastal development permit in February 2016. State storm damage reimbursement is not available for past damage.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401309							Account # 311-40-62-9390-57106
Project Cost Estimate:	500	149,500	169,886	-	-	-	-
Project Funding Estimates:							
Liability Insurance Fund	500	149,500	149,500	-	-	-	-
Net Project Cost Estimates:	-	-	20,386	-	-	-	-

Green Lane Project

Project Description:

This project is for the creation of green lanes in high conflict (collision) zones to highlight bike paths, showing drivers of vehicles where to expect the presence of bike riders. FY2015 funding was used to fund a portion (1/2) of the Laurel Street green lane application following the repaving project.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401513							Account # 311-40-64-9330-57307
Project Cost Estimate:	18,942	32,058	32,058	50,000	50,000	50,000	150,000
Project Funding Estimates:							
Gas Tax Fund	18,442	31,558	31,558	50,000	50,000	50,000	150,000
Net Project Cost Estimates:	500	500	500	-	-	-	-

LED light replacement (City-wide) - CEC

Project Description:

Retrofit of remaining city streetlights that are high pressure sodium (HPS) or metal halide (MH) to energy efficient light emitting diode (LED) lights to reduce maintenance costs and energy use. Several projects, approximately 1200 street lights have been completed with ARRA Stimulus, CDBG and off-bill financing funds. An additional 321 street lights remain to be converted with a California Energy Commission loan.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401418							Account # 311-40-61-9320-57305
Project Cost Estimate:	144,911	223,426	223,426	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	223,426	223,426	-	-	-	-
From General Fund	86,259	-	-	-	-	-	-
Net Project Cost Estimates:	58,652	-	-	-	-	-	-

MB Sanctuary Scenic Trail (Rail Trail) Segment 7

Project Description:

Project includes the portion of the MBSC Trail (rail trail) Segment 7 that is within the city limits, from Natural Bridges to the MB Sanctuary Center at Pacific and Beach. This segment is explained in further detail in the Master Plan. Working in conjunction with SCCRTC, Railroad and City staff, a consultant is completing the design details for the trail, environmental review documents, permits and construction documents. Construction is contingent on many factors, including a SCCRTC/City agreement, permitting etc. The Federal and State grants been awarded by SCCRTC and some private contributions have been received. Additional funding is proposed from the recently passed Measure D regional sales tax.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401413	Account # 311-40-64-9330-57307						
Project Cost Estimate:	409,902	4,109,653	4,109,653	3,100,000	-	-	3,100,000
Project Funding Estimates:							
Contributions - businesses	42,135	150,000	150,000	-	-	-	-
From General Fund	-	57,420	57,420	-	-	-	-
Measure D	-	-	-	1,100,000	-	-	1,100,000
State grant-Coastal Conservancy	-	50,000	50,000	-	-	-	-
Gas Tax Fund	-	-	-	1,000,000	-	-	1,000,000
State capital grants-STIP	239,930	3,820,070	3,820,070	1,000,000	-	-	1,000,000
Net Project Cost Estimates:	127,837	32,163	32,163	-	-	-	-

Mission Street Hill Utility Undergrounding

Project Description:

The undergrounding of overhead utilities on the City's portion of Mission Street, from Chestnut to Mission Plaza and within the Mission Hill Plaza area, has been approved by Council as the next Rule 20A district. A Rule 20A project is funded by PG&E from rate payer allocations and the City has borrowed funding from future allocations to fully fund the project. The local funding has been used to design the project in anticipation of partial reimbursement from Rule 20A funds. Local funds will be used to address easements and install decorative streetlights when the utility poles with streetlights are removed.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401004	Account # 311-40-64-9360-57390						
Project Cost Estimate:	96,506	60,000	60,000	-	1,150,000	-	1,150,000
Project Funding Estimates:							
Contributions - Other Agencies	-	-	-	-	1,000,000	-	1,000,000
Gas Tax Fund	-	-	-	-	150,000	-	150,000
Net Project Cost Estimates:	96,506	60,000	60,000	-	-	-	-

Pacific Ave Sidewalk between Front & Soquel

Project Description:

This project provides for missing sidewalk between Front and Second Streets, on the east side, where pedestrians currently walk in the street behind diagonally parked cars. This improves accessibility and drainage on this busy beach area street. A net 5 metered parking spaces are estimated to be lost. A grant has not been awarded for the project.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401708	Account # 311-40-64-9360-57390							
Project Cost Estimate:	-	-	-	-	-	300,000	300,000	
Project Funding Estimates:								
Federal capital grants	-	-	-	-	-	200,000	200,000	
Measure D	-	-	-	-	-	100,000	100,000	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Pedestrian Crosswalk Safety Projects

Project Description:

Develop and implement crossing improvement projects at crosswalks citywide. This project corresponds to a priority list of projects to be approved by City Council prior to the first expenditure. Staff intends to construct one project per year as staff resources are available.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401609	Account # 311-40-64-9330-57307							
Project Cost Estimate:	-	100,000	136,343	-	-	-	-	
Project Funding Estimates:								
CDBG Fund	-	100,000	100,000	-	-	-	-	
Net Project Cost Estimates:	-	-	36,343	-	-	-	-	

Pogonip Creek Sedimentation Removal

Project Description:

The Pogonip Flood Control project was constructed in 1993 to improve drainage conditions in the Harvey West Area by channelizing a portion of the creek, installing some new storm drains, and improving the storm drain lines under Highway 9 to the San Lorenzo River. Sedimentation from steep upstream slopes and private diversion systems have redirected the creek closer to the embankment, impacting private property in Harvey West. This project proposes to remove sediment and overgrown vegetation, and repair a flood wall. Work will be subject to a Fish and Game streambed alteration and RWQCB permits.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401306	Account # 311-40-64-9340-57311							
Project Cost Estimate:	7,000	93,000	93,000	-	200,000	-	200,000	
Net Project Cost Estimates:	7,000	93,000	93,000	-	200,000	-	200,000	

Riverside Ave Utility Underground Phase II

Project Description:

The project includes undergrounding the overhead utilities on Riverside Avenue, from Third Street to Beach Street, and constructing streetscape improvements (decorative streetlights, sidewalks and street trees). The design concept was approved by Council in FY 2012. The project has changed to a Rule 20A project which is funded by PG&E from rate payer allocations. The City has borrowed funding from future allocations to fully fund the project. The local funding has been used to design the project in anticipation of partial reimbursement from Rule 20A funds. Final design and determining easements is to be completed in FY2017 and construction in 2018.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401208	Account # 311-40-64-9360-57390						
Project Cost Estimate:	256,726	5,058,274	5,058,274	-	-	-	-
Project Funding Estimates:							
RDA Successor Agency	378,847	-	-	-	-	-	-
Capital Contributions-Rule 20A	-	1,650,000	1,650,000	-	-	-	-
Property Owner Contributions	-	1,300,000	1,300,000	-	-	-	-
From ED Trust Fund	76,570	616,344	616,344	-	-	-	-
Net Project Cost Estimates:	(198,691)	1,491,930	1,491,930	-	-	-	-

Shaffer Road Railroad Crossing and Route 1 Traffic Signal Improvements

Project Description:

Development of an assessment district for the design and funding cost share of a new railroad crossing (with gates and surface improvements) and the installation of a traffic signal at the Shaffer/Route 1 intersection. Development of adjacent properties require crossing installation to reduce impact to Delaware and residential uses. Requires CPUC and Caltrans approval. Costs of assessment district development to be reimbursed if district approved.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401403	Account # 311-40-62-9320-57306						
Project Cost Estimate:	-	-	-	-	250,000	-	250,000
Project Funding Estimates:							
Assessment District Fund	-	-	-	-	250,000	-	250,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

UCSC-City Transportation Improvements & Studies

Project Description:

Implementation of Section 4.13 of the UCSC-City Comprehensive Settlement Agreement to identify for implementation transportation improvements and studies to explore alternative transportation solutions such as traffic signal timing on Mission and Bay, transit traffic signal pre-emption, express bus service, GIS analysis, park and ride lots, long-term vehicular storage, and Zip Car expansion.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401008							Account # 311-40-64-9390-57304
Project Cost Estimate:	-	250,000	250,000	-	-	-	-
Project Funding Estimates:							
Other local revenues	-	150,000	150,000	-	-	-	-
Net Project Cost Estimates:	-	100,000	100,000	-	-	-	-

UCSC-City-Clue Public Transportation System Planning

Project Description:

Implementation of Section 4.14 of the UCSC-City Comprehensive Settlement Agreement to jointly plan with CLUE, a public transportation system capable of reducing the use of City streets and traffic congestion on city streets.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401009							Account # 311-40-64-9390-57304
Project Cost Estimate:	14,306	85,694	85,694	-	-	-	-
Project Funding Estimates:							
Other local revenues	-	50,000	50,000	-	-	-	-
Net Project Cost Estimates:	14,306	35,694	35,694	-	-	-	-

West Cliff Drive Revetment Repair

Project Description:

This project proposes to place additional engineered rock protection as needed where areas have been damaged by King tides in recent years and to prevent damage to the West Cliff path. FY2016 funding has been used to repair two locations near Woodrow and a sink hole at a retaining wall near Woodrow. At the Lighthouse the path was recently relocated further into the street and further erosion will impact the path and potentially the street. Other rock revetment exist at the sites.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401501							Account # 311-40-62-9330-57307
Project Cost Estimate:	55,093	469,907	469,907	-	250,000	500,000	750,000
Project Funding Estimates:							
Liability Insurance Fund	3,900	71,100	71,100	-	-	-	-
Net Project Cost Estimates:	51,193	398,807	398,807	-	250,000	500,000	750,000

West Cliff Stair Repair at Indicators

Project Description:

The Indicator stairs have deteriorated from adverse marine conditions and have been repaired. There are 2 other starways that are also deteriorated and need to be repaired. Engineering options will be evaluated. Construction is contingent on favorable tides and weather conditions. Improvements include handrails, replacement of degraded concrete treads and construction of new landings.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # m401402							
Account # 311-40-62-9320-57306							
Project Cost Estimate:	134,343	40,000	40,000	60,000	-	-	60,000
Project Funding Estimates:							
Liability Insurance Fund	-	40,000	40,000	60,000	-	-	60,000
Net Project Cost Estimates:	134,343	-	-	-	-	-	-

Existing Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	1,240,975	11,458,592	11,515,321	3,335,000	2,325,000	975,000	6,635,000
Total Project Funding Estimate:	846,583	8,519,418	8,519,418	3,335,000	1,450,000	350,000	5,135,000
Total Net Project Cost Estimate:	394,392	2,939,174	2,995,903	-	875,000	625,000	1,500,000

Public Works Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	1,240,975	11,458,592	11,515,321	4,885,000	7,164,000	2,595,000	14,644,000
Total Project Funding Estimate:	846,583	8,519,418	8,519,418	4,885,000	6,119,000	1,470,000	12,474,000
Total Net Project Cost Estimate:	394,392	2,939,174	2,995,903	-	1,045,000	1,125,000	2,170,000

Branciforte Measure S Facility Remodel

Project Description:

Measure S facility remodel project.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c351801	Account # 316-35-00-0000-57203						
Project Cost Estimate:	-	-	-	1,500,000	-	-	1,500,000
Project Funding Estimates:							
Libraries parcel tax	-	-	-	1,500,000	-	-	1,500,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

Garfield Park Measure S Facility Remodel

Project Description:

Measure S facility remodel project.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c351802	Account # 316-35-00-0000-57203						
Project Cost Estimate:	-	-	-	500,000	-	-	500,000
Project Funding Estimates:							
Libraries parcel tax	-	-	-	500,000	-	-	500,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

New Capital Projects for CIP - Santa Cruz Library Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	-	-	2,000,000	-	-	2,000,000
Total Project Funding Estimate:	-	-	-	2,000,000	-	-	2,000,000
Total Net Project Cost Estimate:	-	-	-	-	-	-	-

Public Works Totals for CIP - Santa Cruz Library

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	-	-	2,000,000	-	-	2,000,000
Total Project Funding Estimate:	-	-	-	2,000,000	-	-	2,000,000
Total Net Project Cost Estimate:	-	-	-	-	-	-	-

City Arterial and Collector Street Reconstruction and Overlay

Project Description:

Project includes pavement reconstruction, overlay, cape and slurry seal, and asphalt grinding of city arterial and collector streets for maintenance and reconditioning. Projects are selected based on the City's pavement management computerized system and in coordination with other utilities and transportation projects. Gas tax available for paving is estimated at \$500,000 per year, and on average Measure H is \$1.4 million and grants average approximately \$500,000 per year. The grants are estimated federal transportation funds that are applied for when available. Approximately \$4.0 million is needed annually to maintain City streets satisfactorily, which is a \$1.6 million annual shortfall. The City is bonding for \$12 million over 3 years which will require a \$1.3 million annual Measure H payment (over 10 years), and is reflected in the project cost estimate. Approximately 25% of the City's Measure D annual allocation is applied to this project.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c400809	Account # 317-40-64-9311-57304						
Project Cost Estimate:	6,727,927	15,067,698	15,067,698	1,500,000	2,000,000	1,800,000	5,300,000
Project Funding Estimates:							
Wastewater Fund	95,710	-	-	-	-	-	-
Gas Tax Fund	2,393,220	1,293,404	1,293,404	500,000	500,000	500,000	1,500,000
Other local revenues	23,814	-	-	-	-	-	-
State capital grants	950,909	1,500,000	1,500,000	-	-	-	-
Traffic Congestion Relief Fund	402,257	-	-	-	-	-	-
Fed grants - ARRA	753,076	-	-	-	-	-	-
From General Fund	1,100,000	-	-	-	-	-	-
Loan proceeds	1,962,217	-	-	-	-	-	-
State grants-RXTPX Funds	442,548	-	-	500,000	500,000	500,000	1,500,000
Measure D	-	-	-	-	500,000	300,000	800,000
Net Project Cost Estimates:	(1,395,824)	12,274,294	12,274,294	500,000	500,000	500,000	1,500,000

City Residential and Collector Street Reconstruction and Overlay

Project Description:

Pavement reconstruction, overlay, cape and slurry seal, and asphalt grinding of city residential and collector streets for maintenance and reconditioning. Projects are selected based on the City's pavement management computerized system and in coordination with other utilities and transportation projects. Approximately \$1.2 million is needed annually to provide a 10 year rotation on residential streets. Generally \$500,000 from Measure H is available, which is a \$700,000 per year shortfall. The City is anticipating bonding for \$3 million over 3 years which will require a \$500,000 million annual Measure H payment (over 10 years). There is also an estimated Measure H annual increase in revenue which is reflected in the project costs estimate above the annual bonding payment amount. Grants are not typically available for residential and collector streets. Approximately 25% of the City's Measure D annual allocation is applied to this project.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c400810	Account # 317-40-64-9311-57304						
Project Cost Estimate:	6,991,772	4,967,768	4,967,768	235,000	835,000	735,000	1,805,000
Project Funding Estimates:							
City Public Trust Fund	414,451	-	-	-	-	-	-
Traffic Congestion Relief Fund	587,025	-	-	-	-	-	-
Water Fund	17,978	-	-	-	-	-	-
From General Fund	500,000	-	-	-	-	-	-
Measure D	-	-	-	-	500,000	300,000	800,000
Net Project Cost Estimates:	5,472,318	4,967,768	4,967,768	235,000	335,000	435,000	1,005,000

Existing Capital Projects for Arterial Streets and Roads Fund (317) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	13,719,699	20,035,466	20,035,466	1,735,000	2,835,000	2,535,000	7,105,000
Total Project Funding Estimate:	9,643,205	2,793,404	2,793,404	1,000,000	2,000,000	1,600,000	4,600,000
Total Net Project Cost Estimate:	4,076,494	17,242,062	17,242,062	735,000	835,000	935,000	2,505,000

Public Works Totals for Arterial Streets and Roads Fund (317)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	13,719,699	20,035,466	20,035,466	1,735,000	2,835,000	2,535,000	7,105,000
Total Project Funding Estimate:	9,643,205	2,793,404	2,793,404	1,000,000	2,000,000	1,600,000	4,600,000
Total Net Project Cost Estimate:	4,076,494	17,242,062	17,242,062	735,000	835,000	935,000	2,505,000

Branciforte Creek Sewer Siphon Relocation**Project Description:**

Construct a new sanitary sewer siphon under the Branciforte Creek Channel, between 632 Water and 550 Water, to replace the existing siphon and improve access to maintain the sewer line. The project will require easements and coordination with proposed private property development.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 721-40-62-7259-57301	
Project # c401808								
Project Cost Estimate:	-	-	-	50,000	150,000	100,000		300,000
Net Project Cost Estimates:	-	-	-	50,000	150,000	100,000		300,000

Laurent Street Sewer**Project Description:**

The existing sewer line was constructed in 1926 and is in need of replacement. Project includes the design and construction of 1,000 lineal feet of new sewer line, reconnecting laterals and rebuilding manholes.

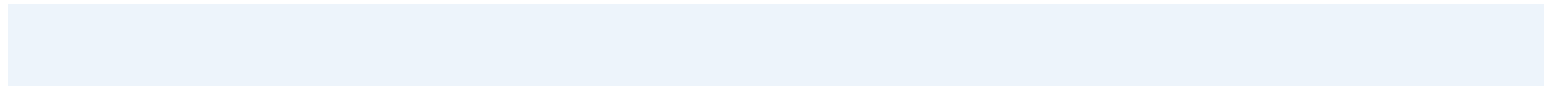
	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 721-40-62-7259-57301	
Project # c401809								
Project Cost Estimate:	-	-	-	250,000	-	-		250,000
Net Project Cost Estimates:	-	-	-	250,000	-	-		250,000

Trevethan Avenue Sewer**Project Description:**

The existing sewer line is located within existing unused street rights-of-way, which are currently front yards of the Trevethan residences between Parnell and East Gate. This presents operational problems when attempting to do maintenance on the line. The project includes investigating the relocation, and if feasible, constructing a 1,100 lineal feet of new sewer line in the street and reconnecting sewer laterals, from Parnell to Soquel Avenue.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 721-40-62-7259-57301	
Project # c401810								
Project Cost Estimate:	-	-	-	20,000	200,000	-		220,000
Net Project Cost Estimates:	-	-	-	20,000	200,000	-		220,000

New Capital Projects for Wastewater Enterprise Fund (721) Totals



	Fiscal Year 2017						Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Total Project Cost Estimate:	-	-	-	320,000	350,000	100,000	770,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	320,000	350,000	100,000	770,000

Eastside Alley Sewer Project

Project Description:

Sewer mains in the area north of Soquel Avenue, between Morrissey and Park Way, are often located in the public alleys. This project proposes to replace and/or rehabilitate these deteriorated sewer lines including some sewer laterals. The alley sewer lines are a source of significant storm water infiltration and inflow. The video inspection reflects the poor condition of the lines. Inflow reduction and improved wastewater flows will be achieved by removing private storm drain connections to the sanitary sewer. Design is complete and construction is will start in FY17, and completed early FY18.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401406	Account # 721-40-62-7259-57301						
Project Cost Estimate:	27,701	1,532,299	1,532,299	-	-	-	-
Net Project Cost Estimates:	27,701	1,532,299	1,532,299	-	-	-	-

Fairmount/Harrison Sewer Main Upgrade

Project Description:

Upgrade approximately 3000 lineal feet of 10 inch diameter sewer main to 12 inch diameter, in this neighborhood, south of Hwy 1. This trunk sewer has been identified as undersized in the sanitary sewer hydraulic model. Further investigation will be needed prior to finalizing the project scope, priority and cost.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401404	Account # 721-40-62-7259-57301						
Project Cost Estimate:	-	-	-	-	-	500,000	500,000
Net Project Cost Estimates:	-	-	-	-	-	500,000	500,000

Hagemann Aerial Sewer Rehabilitation

Project Description:

Rehabilitate Hagemann Court sewer line and strengthen the trestle that supports the aerial sewer. The sewer pipeline on the Hagemann trestle is 30 feet above ground and was constructed in 1980; inspected in 2012. The inspection report recommended structural repairs. Additional funds added to upgrade the upgradient Forest-Mentel aerial sewer.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m401403	Account # 721-40-62-7259-57301						
Project Cost Estimate:	-	175,000	175,000	125,000	-	-	125,000
Net Project Cost Estimates:	-	175,000	175,000	125,000	-	-	125,000

Jesse Street Marsh

Project Description:

Funding to implement components of the approved management plan for Jesse Street marsh and park area as needed, including drainage modifications and maintenance to tidal interchange. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County and environmental mitigation requirements of the secondary treatment facility.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c409669	Account # 721-40-62-7259-57312							
Project Cost Estimate:	91,006	133,881	133,881	-	-	-	-	
Project Funding Estimates:								
Local capital grants	47,116	58,713	58,713	-	-	-	-	
Net Project Cost Estimates:	43,890	75,168	75,168	-	-	-	-	

Ladera Drive Sewer

Project Description:

Replace a deteriorated and difficult to maintain sewer line in a backyard easement with new 10 and 12 inch diameter, 1,000 lineal feet of sewer line in Ladera Drive, from MH M5-SM506 to MH L4-SM204 to improve capacity and flow.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401305	Account # 721-40-62-7259-57301							
Project Cost Estimate:	-	400,000	400,000	-	-	-	-	
Net Project Cost Estimates:	-	400,000	400,000	-	-	-	-	

Neary Lagoon Park Rehab-Maint. (Annual)

Project Description:

Rehabilitation and improvements to boardwalks, pathways, restrooms, parks building and natural areas. Removal of tules and sediment as required to maintain open waterways. Improvements are based on the approved Neary Lagoon Management Plan and various studies. County pays 8/17 of the cost based on wastewater treatment facility capacity dedicated to County and environmental mitigation requirements of the secondary treatment facility.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # m409668	Account # 721-40-62-7259-57312							
Project Cost Estimate:	1,934,945	418,715	446,490	300,000	250,000	250,000	800,000	
Project Funding Estimates:								
Local capital grants	836,532	196,604	196,604	141,176	117,647	117,647	376,470	
Net Project Cost Estimates:	1,098,413	222,111	249,886	158,824	132,353	132,353	423,530	

Pump Station P11-SP101 Modifications**Project Description:**

This 33 year old sanitary sewer pump station in the Carbonera area is in need of modifications to bring the controls, wet well and pump system up to the current city standards. This will increase capacity and reliability, and reduce maintenance and energy requirements.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # m401601							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	200,000	200,000	-	-	-	-
Net Project Cost Estimates:	-	200,000	200,000	-	-	-	-

San Lorenzo River Sanitary Sewer Siphon**Project Description:**

There are 3 sanitary sewer lines (42, 24 and 14 inch diameter) that are below the San Lorenzo River bottom and convey all the wastewater flows from the eastside to the WWTP. The lines were partially cleaned in recent years, but a thorough inspection was not possible at that time. A new pipe cleaning method was used in 2012 and 2013 that allowed a complete inspection of the lines, determining that a repair and lining were needed on the 42 inch diameter sewer main, which was completed in FY 2014. Additional inspection and cleaning is anticipated in FY 2017-18.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401315							Account # 721-40-62-7259-57301
Project Cost Estimate:	717,977	307,022	307,022	-	-	-	-
Net Project Cost Estimates:	717,977	307,022	307,022	-	-	-	-

Sewer System Improvements**Project Description:**

Ongoing program to identify and target sewer lines and pump stations with limited capacity and that may be impacted by high storm water infiltration and inflow (I&I), obstructions and other deficiencies. The intent of the program and individual projects is to improve wastewater flow capacity, maintain an excellent environmental compliance record, and reduce treatment costs from I&I. The projects will include pipe bursting, replacement, re-routing, lining and other methods as needed. Project will address street reconstruction needs related to the sanitary system construction. Program includes the development of a public education component. Program will partially fund new storm drain improvements if it is found that drainage deficiencies are overtaxing the sanitary sewer system such as on Curtis Street and Trevethan Avenue.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401511							Account # 721-40-62-7251-57304
Project Cost Estimate:	709,259	1,590,741	1,590,741	600,000	600,000	600,000	1,800,000
Net Project Cost Estimates:	709,259	1,590,741	1,590,741	600,000	600,000	600,000	1,800,000

Wastewater Treatment Facility Infrastructure and Major Equipment Study

Project Description:

Evaluate the Wastewater Treatment facility and prepare a prioritized 10-year infrastructure and equipment replacement/rehabilitation plan. While there is a consistent and rigorous effort to maintain infrastructure and equipment, the age of the facility warrants a closer look at the longer term needs and priorities. County pays 8/17 of cost based on wastewater treatment capacity dedicated to County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401706							Account # 721-40-62-7252-57301
Project Cost Estimate:	-	80,000	80,000	-	-	-	-
Project Funding Estimates:							
Local capital grants	-	37,647	37,647	-	-	-	-
Net Project Cost Estimates:	-	42,353	42,353	-	-	-	-

WWTF-Bioassay Laboratory

Project Description:

Replace current effluent sampling station with a more functional Bioassay Laboratory with ethernet connection, communications equipment, composite sampler. This laboratory will assist the City in meeting the newest NPES permitting requirements. County pays 8/17 of the cost based on the wastewater treatment facility capacity dedicated to County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401605							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	300,000	300,000	-	-	-	-
Project Funding Estimates:							
Local capital grants	-	141,176	141,176	-	-	-	-
Net Project Cost Estimates:	-	158,824	158,824	-	-	-	-

WWTF-Centrifuge

Project Description:

This project rebuilt three worn centrifuges that provide critical sludge dewatering for the facility. The project was designed in FY 2012 and was constructed in FY 2014 and 2015. The current allocation is to replace the aging control system and improve efficiency and reduce maintenance. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # m401201							Account # 721-40-65-7252-57301
Project Cost Estimate:	1,924,077	475,923	475,923	-	-	-	-
Project Funding Estimates:							
Local capital grants	901,686	227,752	227,752	-	-	-	-
Net Project Cost Estimates:	1,022,391	248,171	248,171	-	-	-	-

WWTF-Equipment Replacement

Project Description:

The projects proposed in this general category are a variety of projects that replace worn and obsolete equipment, improve automation, reduce energy, maintain environmental compliance and reduce odors at the Wastewater Treatment Plant. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m409659	Account # 721-40-62-7252-57301						
Project Cost Estimate:	5,754,494	1,941,408	1,941,408	350,000	400,000	400,000	1,150,000
Project Funding Estimates:							
Local capital grants	2,537,814	834,927	834,927	164,706	188,235	188,235	541,176
Net Project Cost Estimates:	3,216,680	1,106,481	1,106,481	185,294	211,765	211,765	608,824

WWTF-Laboratory Modernization

Project Description:

The project includes redesigning the existing laboratory consistent with its mission by improving microbiological, chemical and toxicological methods in support of permitting and environmental requirements for NPDES, plant processes and community dischargers. The design is anticipated in FY17-18 and construction in FY19. County pays 8/17 of the cost based on the wastewater treatment facility capacity dedicated to County.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401608	Account # 721-40-62-7259-57301						
Project Cost Estimate:	-	250,000	250,000	-	1,500,000	-	1,500,000
Project Funding Estimates:							
Local capital grants	-	117,647	117,647	-	705,882	-	705,882
Net Project Cost Estimates:	-	132,353	132,353	-	794,118	-	794,118

WWTF-Reclaim Water

Project Description:

Enhance current reuse water effluent filtration system to produce Title 22 reclaim water and distribution system for offsite use. County pays 8/17 of the cost based on the wastewater treatment facility capacity dedicated to County.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401604	Account # 721-40-62-7259-57301						
Project Cost Estimate:	4,476	245,523	245,523	-	1,000,000	-	1,000,000
Project Funding Estimates:							
Local capital grants	117,849	-	-	-	470,588	-	470,588
Net Project Cost Estimates:	(113,373)	245,523	245,523	-	529,412	-	529,412

WWTF-Secondary Clarifier Repairs

Project Description:

The evaluation and structural repairs of the three secondary clarifiers is complete. To prevent metal fatigue, structural steel in clarifier #3 was coated in FY 15, clarifier #1 was coated in FY17 and clarifier #2 will be coated in FY18. County pays 8/17 of the cost based on wastewater treatment facility capacity dedicated to County.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m401303	Account # 721-40-65-7252-57301						
Project Cost Estimate:	389,467	505,533	505,533	200,000	-	-	200,000
Project Funding Estimates:							
Local capital grants	183,278	235,508	235,508	82,352	-	-	82,352
Net Project Cost Estimates:	206,189	270,025	270,025	117,648	-	-	117,648

WWTF-Sewer Main Rehabilitation

Project Description:

This project is to rehabilitate the 54 inch diameter sewer main that connects to the WWTF. The sewer main, constructed in 1965, requires preventative maintenance and will be lined from Front Street, Spruce and Pacific Avenue to the WWTF. Entry points for the liner will be excavated at approximately 3 manhole locations in the above noted streets.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401606	Account # 721-40-62-7259-57301						
Project Cost Estimate:	-	1,100,000	1,100,000	-	-	-	-
Net Project Cost Estimates:	-	1,100,000	1,100,000	-	-	-	-

WWTF-Transformer Replacement

Project Description:

The electrical transformer operates at or above design loads and the facility experiences power fluctuations that impact system reliability and performance. The project proposes the replacement of the facility's main transformer to provide more reliable and consistent electrical power. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401405	Account # 721-40-65-7252-57301						
Project Cost Estimate:	-	-	-	-	1,000,000	-	1,000,000
Project Funding Estimates:							
Local capital grants	-	-	-	-	470,588	-	470,588
Net Project Cost Estimates:	-	-	-	-	529,412	-	529,412

WWTF-Ultraviolet Disinfection Sys Repl

Project Description:

Replace the existing and aging ultraviolet light disinfection system, including controls and lamps, with current technology. There are energy savings expected with the new system. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401504							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	-	-	2,500,000	-	-	2,500,000
Project Funding Estimates:							
Local capital grants	-	-	-	1,178,471	-	-	1,178,471
Net Project Cost Estimates:	-	-	-	1,321,529	-	-	1,321,529

WWTF-Upgrade Digester Equipment

Project Description:

Digester equipment including gas compressors, motors, pumps, valves and piping is in operation every day, 24 hours a day. Digesters 4 equipment was rehabilitated in FY2016. Digester 5 will be cleaned and upgraded in FY2017-18. The County pays 8/17 of the cost based on wastewater treatment facility capacity dedicated to the County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401607							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	750,000	750,000	-	-	-	-
Project Funding Estimates:							
Local capital grants	-	352,941	352,941	-	-	-	-
Net Project Cost Estimates:	-	397,059	397,059	-	-	-	-

WWTF-Water Piping Rehabilitation

Project Description:

A wastewater treatment facility on site reclaimed water supply piping evaluation has shown the system is suffering from corrosion and water pressure reduction and in need of a system replacement. Sporadic repairs/replacement have been done by City staff over the years, however the system is at the point of requiring a comprehensive overhaul. Design contract services in FY 2017 and construction in FY 2019. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401407							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	100,000	100,000	900,000	-	-	900,000
Project Funding Estimates:							
Local capital grants	-	47,059	47,059	423,529	-	-	423,529
Net Project Cost Estimates:	-	52,941	52,941	476,471	-	-	476,471

Existing Capital Projects for Wastewater Enterprise Fund (721) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	11,553,402	10,506,045	10,533,820	4,975,000	4,750,000	1,750,000	11,475,000
Total Project Funding Estimate:	4,624,275	2,249,974	2,249,974	1,990,234	1,952,940	305,882	4,249,056
Total Net Project Cost Estimate:	6,929,127	8,256,071	8,283,846	2,984,766	2,797,060	1,444,118	7,225,944

Public Works Totals for Wastewater Enterprise Fund (721)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	11,553,402	10,506,045	10,533,820	5,295,000	5,100,000	1,850,000	12,245,000
Total Project Funding Estimate:	4,624,275	2,249,974	2,249,974	1,990,234	1,952,940	305,882	4,249,056
Total Net Project Cost Estimate:	6,929,127	8,256,071	8,283,846	3,304,766	3,147,060	1,544,118	7,995,944

Recycling Building and Equipment Improvement

Project Description:

Project includes the upgrade and replacement of the Single Stream Recycling equipment, installing bunkers, push walls and replacing warped beams, damaged metal walls, and tent sections around the recycling building as needed.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401811	Account # 731-40-62-7353-57308						
Project Cost Estimate:	-	-	-	250,000	-	-	250,000
Net Project Cost Estimates:	-	-	-	250,000	-	-	250,000

New Capital Projects for Refuse Enterprise Fund (731) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	-	-	250,000	-	-	250,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	250,000	-	-	250,000

CNG Fueling Station and Fleet Maintenance Shop Safety Improvements

Project Description:

The Resource Recovery collection division is in the process of purchasing new CNG (compressed natural gas) trucks to replace the aging fleet of trucks. The project consists of developing a CNG fueling facility at the City Corporation Yard and it includes funds for professional services to prepare a feasibility study, preliminary design, environmental review and construction documents. Construction would follow and is included in the proposed 3-year period. In addition there will be safety improvements to the fleet maintenance facility so that servicing of the new equipment can be done, meeting code requirements.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401613	Account # 731-40-61-7359-57203						
Project Cost Estimate:	4,000	1,011,000	1,011,000	-	-	-	-
Net Project Cost Estimates:	4,000	1,011,000	1,011,000	-	-	-	-

Dimeo Lane Paving and Storm Drain

Project Description:

Dimeo Lane is the only access to the City's Landfill and Recycling Center, and with the truck traffic, the road base and surface are in need of repair. This project includes pavement repairs and minor storm drain improvements for Dimeo as needed.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401312	Account # 731-40-62-7352-57308						
Project Cost Estimate:	103,736	46,264	46,264	-	-	-	-
Net Project Cost Estimates:	103,736	46,264	46,264	-	-	-	-

Food Waste Collection and Conversion

Project Description:

Program development is in progress which includes consulting services, permitting, minor capital and/or rental cost of equipment to evaluate and develop the program to collect food waste and alternatives to landfilling. Funding for design and construction is proposed in FY18.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401204	Account # 731-40-62-7352-57308						
Project Cost Estimate:	53,893	1,767,657	1,767,657	-	-	-	-
Net Project Cost Estimates:	53,893	1,767,657	1,767,657	-	-	-	-

Recycling Center Dust Control

Project Description:

Design and installation of a system to reduce the dust generated by the single-stream recycling facility.

Fiscal Year 2017

	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c401205							
Project Cost Estimate:	-	19,567	19,567	-	-	-	-
Net Project Cost Estimates:	-	19,567	19,567	-	-	-	-

Account # 731-40-62-7352-57308

Existing Capital Projects for Refuse Enterprise Fund (731) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	161,629	2,844,488	2,844,488	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	161,629	2,844,488	2,844,488	-	-	-	-

Public Works Totals for Refuse Enterprise Fund (731)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	161,629	2,844,488	2,844,488	250,000	-	-	250,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	161,629	2,844,488	2,844,488	250,000	-	-	250,000

Downtown Bike Locker Replacement Program

Project Description:

This program will replace 20+ year old Bike Lockers located in Downtown Lots and Garages. In Year 1, underutilized lockers will be removed. The City currently has 98 functioning bike lockers. This program includes replacement of 62 lockers at the highest-use locations.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 741-40-64-7459-57307	
Project # c401812								
Project Cost Estimate:	-	-	-	75,000	100,000	100,000		275,000
Project Funding Estimates:								
Measure D	-	-	-	50,000	50,000	50,000		150,000
Net Project Cost Estimates:	-	-	-	25,000	50,000	50,000		125,000

New Capital Projects for Parking Enterprise Fund (741) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	-	-	75,000	100,000	100,000	275,000
Total Project Funding Estimate:	-	-	-	50,000	50,000	50,000	150,000
Total Net Project Cost Estimate:	-	-	-	25,000	50,000	50,000	125,000

Downtown Parking Structure Predesign

Project Description:

Pre Design, environmental review and construction reflected in budget for a parking structure in the downtown parking district. Debt proceeds based on bond issuance.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c400053	Account # 741-40-64-7452-57309							
Project Cost Estimate:	34,827	1,498,808	1,498,808	-	-	-	-	
Project Funding Estimates:								
Other long-term debt issued	-	1,500,000	1,500,000	-	-	-	-	
Net Project Cost Estimates:	34,827	(1,192)	(1,192)	-	-	-	-	

Parking Equipment Replacement- Locust Garage

Project Description:

This project replaces the current Parking Access and Revenue Control Equipment in the Locust Garage as the distributor has gone out of business.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401705	Account # 741-40-64-7452-57309							
Project Cost Estimate:	-	-	-	-	750,000	-	750,000	
Net Project Cost Estimates:	-	-	-	-	750,000	-	750,000	

Parking Equipment Replacement- River Front Garage

Project Description:

This project replaces the current Parking Access and Revenue Control Equipment in the River Front Garage as the distributor has gone out of business.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c401703	Account # 741-40-64-7452-57309							
Project Cost Estimate:	-	750,000	750,000	-	-	-	-	
Net Project Cost Estimates:	-	750,000	750,000	-	-	-	-	

Parking Equipment Replacement- Soquel/Front Garage

Project Description:

This project replaces the current Parking Access and Revenue Control Equipment in The Soquel/Front Garage as the distributor has gone out of business.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401704							Account # 741-40-64-7452-57309
Project Cost Estimate:	-	-	-	750,000	-	-	750,000
Net Project Cost Estimates:	-	-	-	750,000	-	-	750,000

River-Front and Cedar Garages Deck Restoration

Project Description:

This project improves the structural integrity of the roof parking decks on both garages by repairing and sealing the pretension double tee connectors, concrete spalling and eliminating water intrusions at expansion joints. This project will increase the longevity of both garages. The Cedar-Church Garage was completed in FY17, and the River-Front Garage is proposed for FY18.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401508							Account # 741-40-64-7452-57309
Project Cost Estimate:	16,291	2,333,709	2,333,709	-	-	-	-
Net Project Cost Estimates:	16,291	2,333,709	2,333,709	-	-	-	-

River-Front Garage Elevator

Project Description:

This project provides for the design and construction of a modular elevator to provide ADA compliance and improved access to all levels of the River-Front Garage.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401509							Account # 741-40-64-7452-57309
Project Cost Estimate:	-	250,000	250,000	50,000	-	-	50,000
Net Project Cost Estimates:	-	250,000	250,000	50,000	-	-	50,000

Existing Capital Projects for Parking Enterprise Fund (741) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	51,118	4,832,517	4,832,517	800,000	750,000	-	1,550,000
Total Project Funding Estimate:	-	1,500,000	1,500,000	-	-	-	-
Total Net Project Cost Estimate:	51,118	3,332,517	3,332,517	800,000	750,000	-	1,550,000

Public Works Totals for Parking Enterprise Fund (741)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	51,118	4,832,517	4,832,517	875,000	850,000	100,000	1,825,000
Total Project Funding Estimate:	-	1,500,000	1,500,000	50,000	50,000	50,000	150,000
Total Net Project Cost Estimate:	51,118	3,332,517	3,332,517	825,000	800,000	50,000	1,675,000

Branciforte Creek Channel Repair and Maintenance

Project Description:

A Channel Condition Assessment report by MTC was completed in 2008. The report identifies approximately \$1.5 million in deferred maintenance which include epoxy repairs of of channel wall cracks, reconstruction of the low flow fish passage channel, inlet pipe lining and spot repairs, fence repair and debris and sediment removal. Some of the maintenance deficiencies have also been noted by the Army Corps of Engineers. The proposed funding levels are not sufficient to complete all the work and additional sources, or bond funding are needed.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401313	Account # 751-40-61-7553-57311						
Project Cost Estimate:	31,013	387,353	387,353	-	-	-	-
Net Project Cost Estimates:	31,013	387,353	387,353	-	-	-	-

Existing Capital Projects for Storm Water Enterprise Fund (751) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	31,013	387,353	387,353	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	31,013	387,353	387,353	-	-	-	-

Public Works Totals for Storm Water Enterprise Fund (751)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	31,013	387,353	387,353	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	31,013	387,353	387,353	-	-	-	-

Downtown SLR Drainage System Assessment

Project Description:

Assess drainage system tributary to Pump Station No. 1, which is located at the southeast end of the Laurel Street Bridge. Assessment will include a detailed analysis of Pump Station No. 1's capacity to handle large storm events. A preliminary design of any recommended improvements will be included in the assessment.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401707							Account # 752-40-61-7552-57311
Project Cost Estimate:	-	80,000	80,000	-	-	-	-
Net Project Cost Estimates:	-	80,000	80,000	-	-	-	-

San Lorenzo River Levee Storm Drain Maintenance

Project Description:

The storm drain system for the levee system was primarily constructed in the 1950's with the levees. It is evident from some preliminary inspection and experience with the Clean Beaches Program projects that the system requires additional and significant repair and maintenance. This project provides ongoing funding to address these deficiencies.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401314							Account # 752-40-61-7552-57311
Project Cost Estimate:	53,412	96,588	96,588	-	-	-	-
Net Project Cost Estimates:	53,412	96,588	96,588	-	-	-	-

San Lorenzo River Pump Station #2

Project Description:

This project proposes to increase the capacity of this pump station that serves the Beach Area by replacing the existing pumps and electronic controls to increase pumping capacity for a 100 year return period storm.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c401207							Account # 752-40-61-7552-57311
Project Cost Estimate:	162,867	131,133	131,133	-	-	-	-
Net Project Cost Estimates:	162,867	131,133	131,133	-	-	-	-

SLR Flood Control Environ Rest Project

Project Description:

Provides for the anticipated costs of the City's share of additional flood control measures for Phase IV of the project which includes sediment removal or levee modifications. The scope of the project is being negotiated with The US Army Corps of Engineers and the schedule for construction is unknown.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c409512	Account # 752-40-61-7552-57311						
Project Cost Estimate:	3,015,481	168,369	168,369	60,000	-	-	60,000
Net Project Cost Estimates:	2,725,966	168,369	168,369	60,000	-	-	60,000

SLR Parkway Levee Improvements

Project Description:

This project includes the installation of approximately 40 lights on the west levee from Laurel Street Extension to Water Street, revegetation, interpretative signs, development of an exercise/recreation area near the Warrior Stadium Area, and installation of a rest area. The project includes engineering and design costs and is funded from a Proposition 84 grant.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c401416	Account # 752-40-61-7552-57311						
Project Cost Estimate:	1,429,427	100,573	100,573	-	-	-	-
Project Funding Estimates:							
State capital grants	378,830	121,170	121,170	-	-	-	-
Net Project Cost Estimates:	1,050,597	(20,597)	(20,597)	-	-	-	-

Existing Capital Projects for Storm Water Overlay Enterprise Fund (752) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	4,661,187	576,663	576,663	60,000	-	-	60,000
Total Project Funding Estimate:	668,345	121,170	121,170	-	-	-	-
Total Net Project Cost Estimate:	3,992,842	455,493	455,493	60,000	-	-	60,000

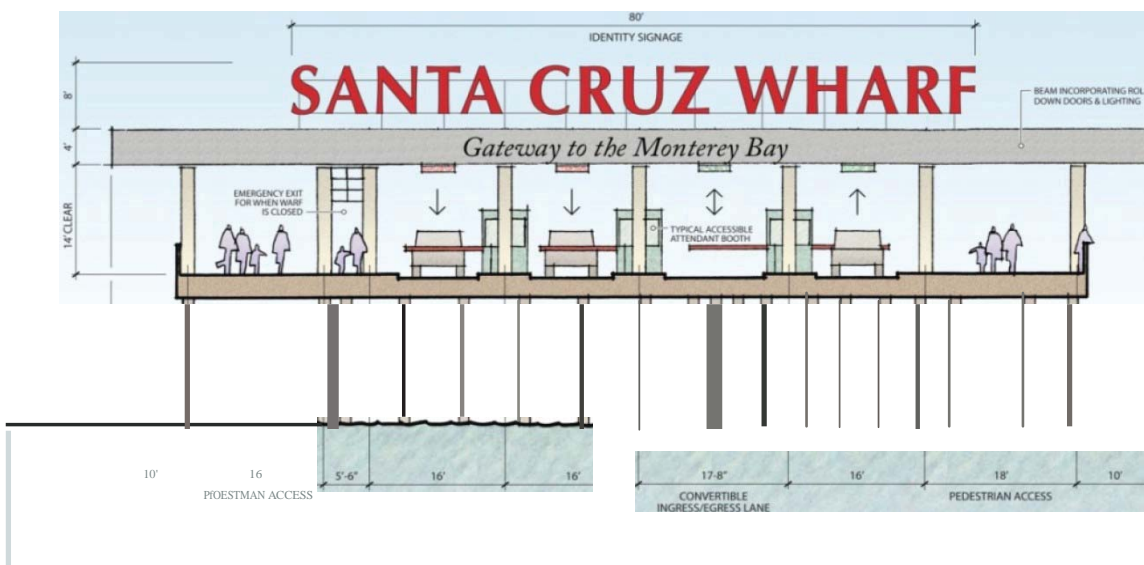
Public Works Totals for Storm Water Overlay Enterprise Fund (752)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	4,661,187	576,663	576,663	60,000	-	-	60,000
Total Project Funding Estimate:	668,345	121,170	121,170	-	-	-	-
Total Net Project Cost Estimate:	3,992,842	455,493	455,493	60,000	-	-	60,000

Public Works Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	38,648,616	76,902,378	76,751,534	19,027,200	17,614,000	22,580,000	59,221,200
Total Project Funding Estimate:	19,931,029	36,558,870	36,408,870	14,422,138	11,621,940	17,425,882	43,469,960
Total Net Project Cost Estimate:	18,717,587	40,343,508	40,342,664	4,605,062	5,992,060	5,154,118	15,751,240

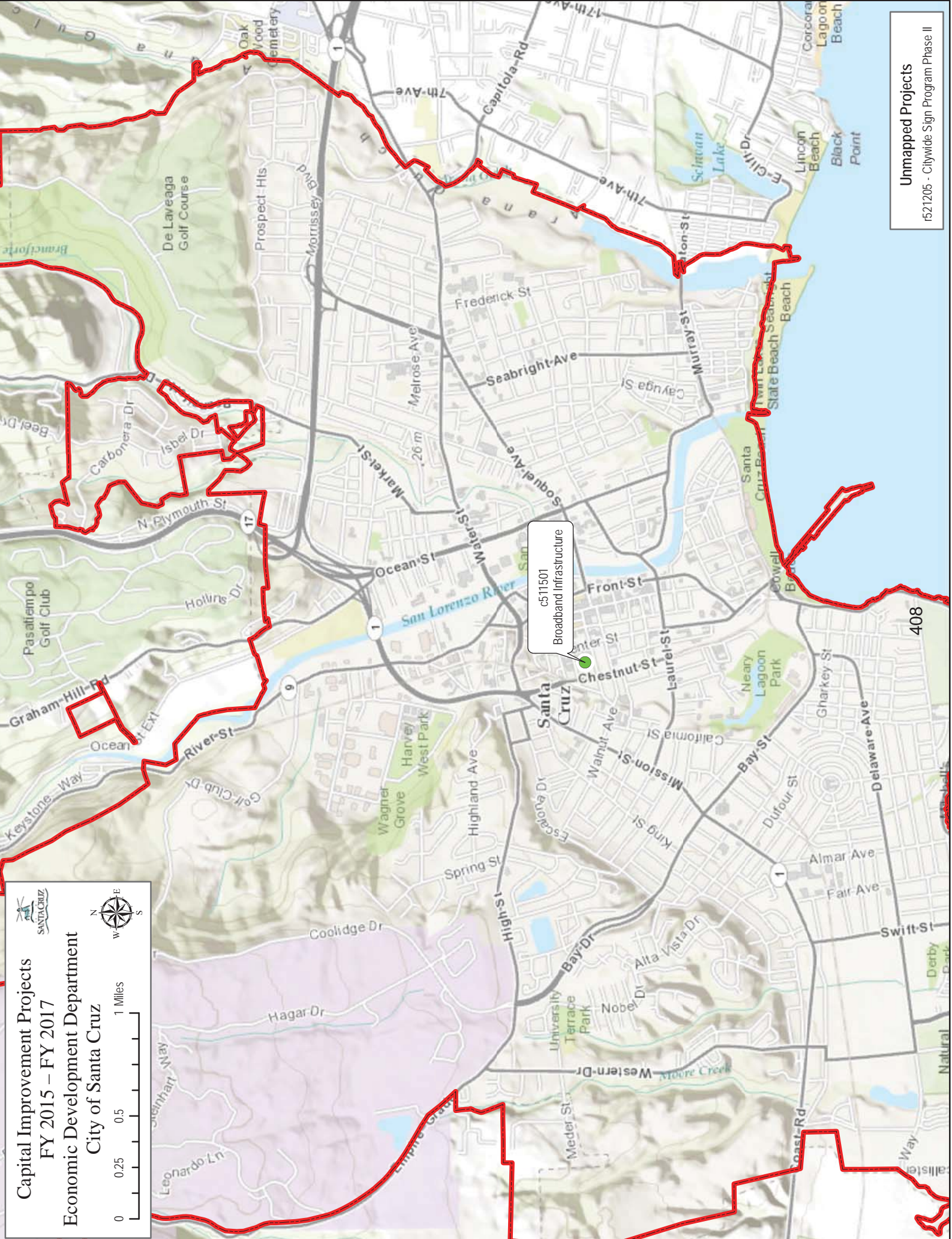
Economic Development Department Capital Improvement Projects



Capital Improvement Projects
FY 2015 – FY 2017
Economic Development Department
City of Santa Cruz



0 0.25 0.5 1 Miles



Unmapped Projects
r521205 - Citywide Sign Program Phase II

Broadband Infrastructure

Project Description:

Early phase development of telecommunications infrastructure connecting City Hall campus to Wide Area Network (WAN).

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c511501	Account # 311-51-80-9990-57390							
Project Cost Estimate:	182,357	1,317,643	1,317,643	150,000	150,000	150,000	450,000	
Project Funding Estimates: From ED Trust Fund	182,357	1,317,643	1,317,643	150,000	150,000	150,000	450,000	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Citywide Sign Program Phase II

Project Description:

Signage program to update the city's parking and vehicular directional signage, gateway signage, banners, kiosks, and interactive maps.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # r521205	Account # 311-51-80-9990-57390							
Project Cost Estimate:	-	1,500,000	1,500,000	-	-	-	-	
Net Project Cost Estimates:	(1,500,000)	1,500,000	1,500,000	-	-	-	-	

Downtown Alley Improvements

Project Description:

Lighting and/or wayfinding improvements in downtown alleys

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c511703	Account # 311-51-80-9990-57390							
Project Cost Estimate:	-	50,000	50,000	-	-	-	-	
Project Funding Estimates: RDA Successor Agency	-	50,000	50,000	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Lower Pacific Avenue Improvements

Project Description:

Infrastructure improvements including parking, street beautification and other related improvements in connection with the METRO project.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c511702							Account # 311-51-80-9990-57390
Project Cost Estimate:	-	2,500,000	2,500,000	-	-	-	-
Project Funding Estimates:							
RDA Successor Agency	-	2,500,000	2,500,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Miramar Demolition and Wharf Piling Replacement

Project Description:

Replace wharf pilings under Miramar restaurant

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c511705							Account # 311-51-80-9990-57390
Project Cost Estimate:	-	1,450,000	1,450,000	1,000,000	-	-	1,000,000
Project Funding Estimates:							
RDA Successor Agency	-	1,450,000	1,450,000	-	-	-	-
From ED Trust Fund	-	-	-	255,000	-	-	255,000
Contributions - businesses	-	-	-	370,000	-	-	370,000
Settlement proceeds	-	-	-	375,000	-	-	375,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

Trolley Acquisition

Project Description:

Acquisition of third trolley to enhance public transportation services

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c511704							Account # 311-51-80-9990-57402
Project Cost Estimate:	-	110,000	110,000	-	-	-	-
Project Funding Estimates:							
RDA Successor Agency	-	110,000	110,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Wharf Ticketing Booths/ Gates

Project Description:

Wharf rehabilitation projects as identified in the Wharf Master Plan to relocate gateway entrance and parking control stations

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c301501	Account # 311-51-80-9990-57390						
Project Cost Estimate:	-	1,600,000	1,600,000	-	-	-	-
Project Funding Estimates:							
RDA Successor Agency	1,000,000	-	-	600,000	-	-	600,000
Net Project Cost Estimates:	(1,000,000)	1,600,000	1,600,000	(600,000)	-	-	(600,000)

Existing Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	182,357	8,527,643	8,527,643	1,150,000	150,000	150,000	1,450,000
Total Project Funding Estimate:	2,682,357	5,427,643	5,427,643	1,750,000	150,000	150,000	2,050,000
Total Net Project Cost Estimate:	(2,500,000)	3,100,000	3,100,000	(600,000)	-	-	(600,000)

Economic Development Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	182,357	8,527,643	8,527,643	1,150,000	150,000	150,000	1,450,000
Total Project Funding Estimate:	2,682,357	5,427,643	5,427,643	1,750,000	150,000	150,000	2,050,000
Total Net Project Cost Estimate:	(2,500,000)	3,100,000	3,100,000	(600,000)	-	-	(600,000)

Existing Capital Projects for RDA/SA Capital Projects Totals

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	1,680,843	-	-	-	-	-	-	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	1,680,843	-	-	-	-	-	-	

Economic Development Totals for RDA/SA Capital Projects

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	1,680,843	-	-	-	-	-	-	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	1,680,843	-	-	-	-	-	-	

Metro Center Project & Housing

Project Description:

Development of affordable housing units for low and moderate income housing as a component of the Metro Transit Center project.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 942-52-80-5650-56960	
Project # r521301								
Project Cost Estimate:	-	6,000,000	6,000,000	-	-	-	-	-
Project Funding Estimates:								
Tax allocation bonds issued	6,000,000	-	-	-	-	-	-	-
Net Project Cost Estimates:	(6,000,000)	6,000,000	6,000,000	-	-	-	-	-

Existing Capital Projects for RDA/SA Low and Moderate Housing Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	6,000,000	6,000,000	-	-	-	-
Total Project Funding Estimate:	6,000,000	-	-	-	-	-	-
Total Net Project Cost Estimate:	(6,000,000)	6,000,000	6,000,000	-	-	-	-

Economic Development Totals for RDA/SA Low and Moderate Housing

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	-	6,000,000	6,000,000	-	-	-	-
Total Project Funding Estimate:	6,000,000	-	-	-	-	-	-
Total Net Project Cost Estimate:	(6,000,000)	6,000,000	6,000,000	-	-	-	-

Economic Development Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	1,863,200	14,527,643	14,527,643	1,150,000	150,000	150,000	1,450,000
Total Project Funding Estimate:	8,682,357	5,427,643	5,427,643	1,750,000	150,000	150,000	2,050,000
Total Net Project Cost Estimate:	(6,819,158)	9,100,000	9,100,000	(600,000)	-	-	(600,000)

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Water Department Capital Improvement Projects



Capital Improvement Projects
 FY 2015 – FY 2017
 Water Department
 City of Santa Cruz



c701301
 Loch Lomond Facilities Improvements

c701504
 Gravity Trunk Main Valve Replacement

c701503
 WTP UV System - Pasatiempo

c701501
 WTP Filter Water Tank

c701303
 WTP Filter Rehabilitation and Upgrades

c701505
 Recoat University Reservoir No. 4

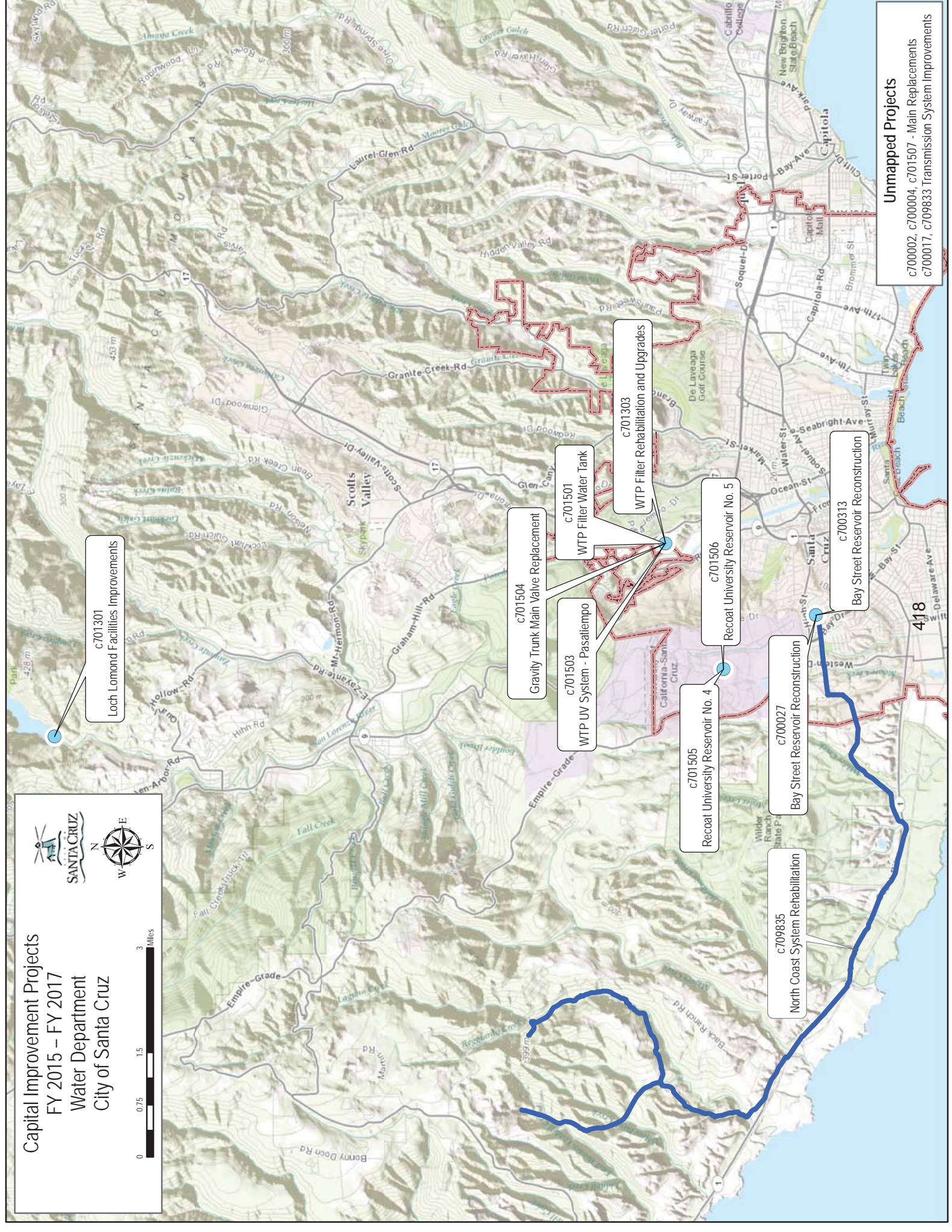
c701506
 Recoat University Reservoir No. 5

c709835
 North Coast System Rehabilitation

c700027
 Bay Street Reservoir Reconstruction

c700313
 Bay Street Reservoir Reconstruction

Unmapped Projects
 c700002, c700004, c701507 - Main Replacements
 c700017, c709833 Transmission System Improvements



N. Coast System Rehab - Majors Diversion

Project Description:

The City diverts water from Laguna and Majors Creeks. These sources are passively diverted into pipelines that carry the water to the North Coast Pipeline. The North Coast System Rehab project (c. 2002) included the evaluation of the diversions to determine if they are sound and if modifications could be made to improve the efficiency and reduce the potential environmental impacts associated with City operations. This project will update the findings of the 2002 analysis, and design and construct needed improvements.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 711-70-91-7153-57302	
Project # c701802								
Project Cost Estimate:	-	-	-	250,000	500,000	1,000,000	1,750,000	
Net Project Cost Estimates:	-	-	-	250,000	500,000	1,000,000	1,750,000	

N. Coast System Rehab- Laguna Diversion

Project Description:

The City diverts water from Laguna and Majors Creeks. These sources are passively diverted into pipelines that carry the water to the North Coast Pipeline. The North Coast System Rehab project (c. 2002) included the evaluation of the diversions to determine if they are sound and if modifications could be made to improve the efficiency and reduce the potential environmental impacts associated with City operations. This project will update the findings of the 2002 analysis, and design and construct needed improvements.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Account # 711-70-91-7153-57302	
Project # c701801								
Project Cost Estimate:	-	-	-	250,000	500,000	1,000,000	1,750,000	
Net Project Cost Estimates:	-	-	-	250,000	500,000	1,000,000	1,750,000	

New Capital Projects for Water & Water System Development Enterprise Fund (711 & 715) Totals

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Total Project Cost Estimate:	-	-	-	500,000	1,000,000	2,000,000	3,500,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	500,000	1,000,000	2,000,000	3,500,000

Advanced Metering infrastructure (AMI)

Project Description:

Evaluate the use of AMI as replacement to the current AMR metering (Automatic Meter Reading). AMR provides 1-way communication between a meter and the City and AMI provides two-way communication between a meter and the City as well as between a meter and the customer. Benefits include early leak detection, customer conservation affect, and workflow management. Implementation to occur in future years.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701603	Account # 711-70-91-7153-57302							
Project Cost Estimate:	-	50,000	50,000	-	-	-	-	
Net Project Cost Estimates:	-	50,000	50,000	-	-	-	-	

Aerators at Loch Lomond

Project Description:

Condition assessment followed by rehabilitation or replacement of the aerators for Loch Lomond Reservoir.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701706	Account # 711-70-91-7153-57302							
Project Cost Estimate:	-	350,000	350,000	-	-	-	-	
Net Project Cost Estimates:	-	350,000	350,000	-	-	-	-	

Aquifer Storage and Recovery

Project Description:

Evaluate the feasibility of Aquifer Storage and Recovery as per the recommendations of the Water Supply Advisory Committee. Funds in FY 2016 and 2017 will be used for Phase 1 of the proposed study. Phase 2 will include pilot work and be funded in FY 2018. Project would potentially provide additional potable water to City and other agency customers, addressing part or all of water supply deficiencies.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701609	Account # 711-70-91-7153-57302							
Project Cost Estimate:	17,570	356,930	356,930	1,715,000	175,000	-	1,890,000	
Net Project Cost Estimates:	17,570	356,930	356,930	1,715,000	175,000	-	1,890,000	
Project # c701610	Account # 715-70-91-7153-57302							
Project Cost Estimate:	7,530	152,970	152,970	735,000	75,000	-	810,000	
Net Project Cost Estimates:	7,530	152,970	152,970	735,000	75,000	-	810,000	

Bay Street Reservoir Reconstruction

Project Description:

The Bay Street Reservoir reached the end of its useful life and was replaced with two 6 MG tanks. Construction of Tank 1 was completed in FY 2014; construction of Tank 2 was completed in FY 2016. Final project elements include site clean-up, security, and landscaping. A portion of the project is funded by System Development Charges (20% SDC-Fund 715).

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c700313	Account # 711-70-91-7153-57302						
Project Cost Estimate:	19,442,010	1,058,666	1,058,666	200,000	-	-	200,000
Net Project Cost Estimates:	19,442,010	1,058,666	1,058,666	200,000	-	-	200,000
Project # c700027	Account # 715-70-91-7153-57302						
Project Cost Estimate:	4,934,451	349,045	349,045	-	-	-	-
Net Project Cost Estimates:	4,934,451	349,045	349,045	-	-	-	-

Beltz 10 and 11 Rehab & Development

Project Description:

This project would convert an existing monitoring well to a production well, renamed Beltz 11, and will rehabilitate Beltz 10. Beltz 10 and 11 will pump from the Santa Margarita aquifer. The project would reduce pumping from the Purisima Formation which is impacted by pumping by the City and other users. Project includes feasibility study (that will include feasibility of wells to function as ASR wells), pump test, CEQA and construction efforts.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c700026	Account # 711-70-91-7153-57302						
Project Cost Estimate:	64,243	145,000	145,000	300,000	-	-	300,000
Net Project Cost Estimates:	64,243	145,000	145,000	300,000	-	-	300,000

Coast Pump Station Line Repairs

Project Description:

Condition assessment followed by rehabilitation or replacement of the Coast Pump Station discharge pipeline.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701707	Account # 711-70-91-7151-57302						
Project Cost Estimate:	-	50,000	50,000	500,000	-	-	500,000
Net Project Cost Estimates:	-	50,000	50,000	500,000	-	-	500,000

Felton Diversion Replacement and Pump Station Rehabilitation

Project Description:

This project consists of evaluation of the existing dam and pump station with recommendations to rehabilitate or replace existing facilities. Alternate diversions to be considered will include horizontal collector wells (e.g., Ranney Collector) and other subsurface intake(s). This project will replace aging facilities and evaluate potentially more efficient ways to divert water from the San Lorenzo River at Felton. Additional funding for construction in FY2019.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701602	Account # 711-70-91-7153-57302						
Project Cost Estimate:	73,636	226,364	226,364	400,000	500,000	-	900,000
Net Project Cost Estimates:	73,636	226,364	226,364	400,000	500,000	-	900,000

Loch Lomond Facilities Improvements

Project Description:

Complete facilities assessment and improvement program at Loch Lomond. A Use study was completed in FY 2013 which resulted in a number of planned projects to enhance the recreation area usability for its visitors. Several ADA and other recreational improvements are being pursued over the next 5 years.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701301	Account # 711-70-91-7153-57302						
Project Cost Estimate:	49,676	235,324	235,324	100,000	-	-	100,000
Net Project Cost Estimates:	49,676	235,324	235,324	100,000	-	-	100,000

Main Replacements- Distribution Section

Project Description:

Recurring program to replace deteriorated or undersized water mains, as identified and prioritized by the Department and implemented by the Distribution Section. Projects are typically based on leak history, but also address water quality and fire flow issues

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701507	Account # 711-70-97-7151-57302						
Project Cost Estimate:	468,136	481,864	481,864	325,000	325,000	325,000	975,000
Net Project Cost Estimates:	468,136	481,864	481,864	325,000	325,000	325,000	975,000

Main Replacements- Eng Section- Transmission

Project Description:

Project was originally established for water main replacement for pipes 10" or larger. Beginning FY2018, such projects will be budgeted in project c700002, Main Replacements - Engineering Section, and project c700017, Water Transmission System Improvements.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c709833	Account # 711-70-91-7151-57302						
Project Cost Estimate:	2,348,760	736,677	736,677	-	-	-	-
Net Project Cost Estimates:	2,348,760	736,677	736,677	-	-	-	-

Main Replacements- Engineering Section

Project Description:

Recurring program to replace deteriorated or undersized mains as identified and prioritized by the Department. Priorities are based on the need to maintain water system reliability, deliver adequate fire flows, improve circulation and water quality, and reduce maintenance costs. These projects are typically large in terms of linear feet and are installed by contractors according to bid plans and specifications.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c700002	Account # 711-70-91-7151-57302						
Project Cost Estimate:	3,182,963	1,140,164	1,140,164	4,050,000	2,250,000	2,250,000	8,550,000
Net Project Cost Estimates:	3,182,963	1,140,164	1,140,164	4,050,000	2,250,000	2,250,000	8,550,000

Newell Creek Dam Inlet/Outlet Pipeline

Project Description:

The Newell Creek Dam was installed in the 1960's. A pipeline runs through the base of the dam to deliver water to the reservoir from Felton Diversion and from the reservoir to the Graham Hill Water Treatment Plant. The pipeline rehabilitation includes inspection of the pipeline and its appurtenances which will result in rehabilitation or replacement of all or parts of the inlet/outlet. This project is being implemented with oversight by the Division of Safety of Dams and, having demonstrated compliance with existing seismic regulations, is strictly addressing rehabilitation and replacement issues.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c701606	Account # 711-70-91-7153-57302						
Project Cost Estimate:	300,951	1,589,793	1,589,793	2,975,000	475,000	32,380,000	35,830,000
Net Project Cost Estimates:	300,951	1,589,793	1,589,793	2,975,000	475,000	32,380,000	35,830,000

Newell Creek Pipeline Rehab/Replacement

Project Description:

This pipeline was constructed in the 1960s and extends from the toe of the Newell Creek Dam and the Graham Hill Water Treatment Plant. This project will conduct a condition assessment and program level environmental review followed by rehab and/or replacement of all or parts of the pipeline. This project is intended to ensure continued reliability of this water supply transmission main.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c701701	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	420,000	420,000	1,500,000	6,500,000	5,000,000	13,000,000
Net Project Cost Estimates:	-	420,000	420,000	1,500,000	6,500,000	5,000,000	13,000,000

North Coast System Rehabilitation

Project Description:

Springs and streams along the coast north of the City limits supply approximately 25% of the City's raw water. Some of the facilities related to these water supplies are reaching the end of their useful life. This program consists of multiple projects over the next 15 to 20 years to evaluate, rehabilitate, and replace portions of the existing infrastructure to ensure continued reliability. Engineering, environmental review, and permitting for the coast segment (Phase 3) began in FY 2013 and continues through FY 2017.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c709835	Account # 711-70-91-7153-57302						
Project Cost Estimate:	7,698,905	6,487,854	6,487,854	1,500,000	-	-	1,500,000
Net Project Cost Estimates:	7,698,905	6,487,854	6,487,854	1,500,000	-	-	1,500,000

Photovoltaic Systems Evaluations/Construction

Project Description:

Ongoing project to evaluate, design and construct PV systems on various water department facilities. The current project is at the Bay Street Tank Site. Once installed, each project will add to the departments and City's green energy portfolio and work towards meeting and exceeding our climate action goals.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c701607	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	910,000	910,000	-	-	-	-
Net Project Cost Estimates:	-	910,000	910,000	-	-	-	-

Pressure Regulating Stations

Project Description:

Evaluation and replacement of pressure regulating stations (PRS). A PRS maintains (sustains or reduces) downstream pressure in order to deliver sufficient water pressure. The water distribution system contains 15 PRS and they vary in age from 66 years old to 8 years old. This project will evaluate the condition of each PRS and prioritize rehabilitation or replacement.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701703	Account # 711-70-92-7151-57302							
Project Cost Estimate:	-	310,000	310,000	60,000	60,000	60,000	180,000	
Net Project Cost Estimates:	-	310,000	310,000	60,000	60,000	60,000	180,000	

Recycled Water

Project Description:

Evaluate the feasibility of using advanced treated wastewater for beneficial uses as per the recommendations of the Water Supply Advisory Committee. The project will be collaboration amongst the Water and Public Works Departments. The project would potentially provide additional water to City and other agency customers, addressing all or part of water supply deficiencies.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701611	Account # 711-70-91-7153-57302							
Project Cost Estimate:	36,234	366,266	366,266	-	-	-	-	
Net Project Cost Estimates:	36,234	366,266	366,266	-	-	-	-	
Project # c701612	Account # 715-70-91-7153-57302							
Project Cost Estimate:	17,405	155,095	158,787	-	-	-	-	
Net Project Cost Estimates:	17,405	155,095	158,787	-	-	-	-	

Security Camera & Building Access Upgrades

Project Description:

Evaluation and implementation of security camera and building access upgrades at various Water facilities. Current security equipment is proprietary and could be improved. A transition to a new system will require camera replacement and additional video storage equipment.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c701704	Account # 711-70-92-7151-57302							
Project Cost Estimate:	-	95,000	95,000	150,000	200,000	200,000	550,000	
Net Project Cost Estimates:	-	95,000	95,000	150,000	200,000	200,000	550,000	

Source Water Evaluation

Project Description:

Evaluate source water quality, operational and infrastructure alternatives to maximize use of surface water. This project was prompted in part by the recommendations of the Water Supply Advisory Committee, accepted by Council in Nov 2015, to evaluate use of additional winter flows in the San Lorenzo River for various purposes to solve the regional water supply issues.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701608	Account # 711-70-91-7153-57302						
Project Cost Estimate:	33,079	566,921	566,921	250,000	250,000	-	500,000
Net Project Cost Estimates:	33,079	566,921	566,921	250,000	250,000	-	500,000

Spoils and Stockpile Handling Facilities Impro

Project Description:

Suitable storage for materials (sand, base rock, cold mix and spoils) is needed at the City's Corporation yard. Improvements will allow for better handling of wet spoils generated by the vector truck, as well as prevent sediment laden runoff from entering the storm water drainage system. (Project title modified from Bunker Roof Project.)

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701508	Account # 711-70-97-7151-57302						
Project Cost Estimate:	51,000	344,900	344,900	-	-	-	-
Net Project Cost Estimates:	51,000	344,900	344,900	-	-	-	-

Tube Settler Replacement

Project Description:

Design and replacement of tube settlers and related appurtenances.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701708	Account # 711-70-91-7152-57302						
Project Cost Estimate:	-	200,000	200,000	2,000,000	-	-	2,000,000
Net Project Cost Estimates:	-	200,000	200,000	2,000,000	-	-	2,000,000

University Tank No. 4 Rehab/Replace

Project Description:

Perform engineering analysis and condition assessment of the aging University 4 tank to ensure continued reliable service. Establish scope of work for recoating/rehabilitation project. Acquire construction easements from UCSC and perform environmental analysis to install temporary tank for use during construction. Create plans and specifications for recoating/rehabilitation project.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701505	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	270,000	270,000	100,000	3,550,000	-	3,650,000
Net Project Cost Estimates:	-	270,000	270,000	100,000	3,550,000	-	3,650,000

University Tank No. 5 Replacement

Project Description:

Perform engineering analysis and condition assessment of the aging University 5 tank to ensure continued reliable service. Establish scope of work for recoating/rehabilitation project. Create plans and specifications for recoating/rehabilitation project. Install temporary tank and variable speed pumps for use during construction. Construct recoating/rehabilitation project.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701506	Account # 711-70-91-7153-57302						
Project Cost Estimate:	91,747	386,253	389,253	3,500,000	-	-	3,500,000
Net Project Cost Estimates:	91,747	386,253	389,253	3,500,000	-	-	3,500,000

Water Main Replacements -Customer Initiated

Project Description:

Recurring program similar to the other Main Replacement Projects; however, these projects are initiated on an as-needed basis to accommodate customer-requested service connections to undersized or inadequate mains. Funds, to the extent of the appropriation, are disbursed to customers on a first-come, first-served basis. This project is funded by System Development Charges (100% SDC – Fund 715).

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c700004	Account # 715-70-91-7151-57302						
Project Cost Estimate:	301,259	50,000	50,000	50,000	50,000	50,000	150,000
Net Project Cost Estimates:	301,259	50,000	50,000	50,000	50,000	50,000	150,000

Water Main Replacements -Outside Agency

Project Description:

Water main, service line, valve, or water meter relocation necessitated by County or other Agency road improvement, storm drain improvement projects, and/or other projects that conflict with existing water infrastructure.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c700003	Account # 711-70-91-7151-57302						
Project Cost Estimate:	1,103,581	478,211	478,211	250,000	250,000	250,000	750,000
Net Project Cost Estimates:	1,103,581	478,211	478,211	250,000	250,000	250,000	750,000

Water Resources Building

Project Description:

The Watershed Resources Division is currently housed in temporary trailers. This project consists of a needs assessment, design, and construction. The needs assessment portion of the project has been completed; FY 2016/17 will focus on site selection and design; FY 2017/18 will be construction.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c701702	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	1,100,000	1,100,000	-	-	-	-
Net Project Cost Estimates:	-	1,100,000	1,100,000	-	-	-	-

Water Supply Augmentation Strategy Implementation

Project Description:

This CIP replaces the Water Supply Advisory Committee (WSAC) to capture various studies and analyses to further the WSAC recommendations. The work conducted in other CIP projects relate to this one; e.g., ASR, Recycled Water.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c701705	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	78,352	78,352	300,000	-	1,200,000	1,500,000
Net Project Cost Estimates:	-	78,352	78,352	300,000	-	1,200,000	1,500,000

Water Transmission System Improvements

Project Description:

To be used in combination with project c700002, Main Replacements - Engineering Section to provide partial funding for water main replacements for pipes 10" or larger.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c700017	Account # 715-70-91-7151-57302						
Project Cost Estimate:	509,361	184,169	184,169	-	-	-	-
Net Project Cost Estimates:	509,361	184,169	184,169	-	-	-	-

Water Treatment Plant Hypochlorite Generation

Project Description:

As part of an overall plan to ensure compliance with changing water quality regulations, improvements are needed at the Graham Hill Water Treatment Plant. This project will consider the replacement of the existing chlorine gas system with a new hypochlorite generation system.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701401	Account # 711-70-91-7152-57302						
Project Cost Estimate:	43,834	31,166	31,166	-	-	-	-
Net Project Cost Estimates:	43,834	31,166	31,166	-	-	-	-

Water Treatment Upgrades

Project Description:

Upgrades to the Graham Hill Water Treatment Plant are necessary to meet new and planned regulatory requirements, and increase overall system reliability. This is a recurring project to prioritize needs and make smaller improvements. The current project includes upgrades to the bulk chemical storage area.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c700025	Account # 711-70-91-7152-57302						
Project Cost Estimate:	313,986	126,561	126,561	300,000	-	-	300,000
Net Project Cost Estimates:	313,986	126,561	126,561	300,000	-	-	300,000

WTP Concrete Tanks Replace.- Solids

Project Description:

As of FY2018, replacement of the disposal tank for solids produced at the Graham Hill Water Treatment is included in project c701501, WTP Concrete Tanks Replacement.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701605	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	225,000	225,000	-	-	-	-
Net Project Cost Estimates:	-	225,000	225,000	-	-	-	-

WTP Concrete Tanks Replace.- UV System

Project Description:

As of FY2018, ultra violet disinfection is now included in project c701501, WTP Concrete Tanks Replacement.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701503	Account # 711-70-91-7152-57302						
Project Cost Estimate:	-	40,000	40,000	-	-	-	-
Net Project Cost Estimates:	-	40,000	40,000	-	-	-	-

WTP Concrete Tanks Replacement

Project Description:

As part of an overall plan to ensure compliance with changing water quality regulations, improvements are needed at the Graham Hill Water Treatment Plant. This project will evaluate the condition of four concrete tanks located at the site (as well as an off-site concrete tank), make improvement recommendation, and construction.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701501	Account # 711-70-91-7152-57302						
Project Cost Estimate:	201,732	761,588	761,588	1,900,000	7,700,000	-	9,600,000
Net Project Cost Estimates:	201,732	761,588	761,588	1,900,000	7,700,000	-	9,600,000

WTP Flocculator Improvements

Project Description:

As part of an overall plan to ensure compliance with changing water quality regulations, improvements are needed at the Graham Hill Water Treatment Plant. This project will replace aging paddle wheel flocculators and improve sedimentation processes. Project includes seismic evaluation as well as consideration for covering all basins (project c701601).

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c701502	Account # 711-70-91-7152-57302						
Project Cost Estimate:	-	60,000	60,000	-	2,300,000	-	2,300,000
Net Project Cost Estimates:	-	60,000	60,000	-	2,300,000	-	2,300,000

Existing Capital Projects for Water & Water System Development Enterprise Fund (711 & 715) Totals

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,160,000	24,660,000	41,715,000	89,535,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,160,000	24,660,000	41,715,000	89,535,000	

Water Totals for Water & Water System Development Enterprise Fund (711 & 715)

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,660,000	25,660,000	43,715,000	93,035,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,660,000	25,660,000	43,715,000	93,035,000	

Water Totals

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Total Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,660,000	25,660,000	43,715,000	93,035,000	
Total Project Funding Estimate:	-	-	-	-	-	-	-	
Total Net Project Cost Estimate:	41,292,049	20,570,133	20,576,825	23,660,000	25,660,000	43,715,000	93,035,000	

Citywide Capital Improvement Projects



SAN LORENZO RIVER

Capital Improvement Projects
 FY 2015 – FY 2017
 Non-Departmental
 City of Santa Cruz



Unmapped Projects

- c601303 - IT Five Year Strategic Plan
- m609195 - Public Facilities - Maintenance
- c601502 - Utility Dashboards and Utility Sub-Meters

Arena Capital Improvements

Project Description:

Originally built as a temporary structure to be used by D league basketball Santa Cruz Warriors. Additional improvements needed to be used as facility for other local sports events.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601402							Account # 311-60-00-9990-57290
Project Cost Estimate:	108,676	66,324	66,324	-	-	-	-
Net Project Cost Estimates:	108,676	66,324	66,324	-	-	-	-

City Hall Campus Emergency Generators

Project Description:

The project will replace the 1980's era emergency standby generator at city hall to improve reliability, reduce noise and increase the electrical output. Project includes the electrical design and connection so that all the buildings have power during a service interruption. The project is under construction in FY17. The future allocation funds an emergency standby generator for the current Parks and Recreation building.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601504							Account # 311-60-00-9410-57490
Project Cost Estimate:	35,399	309,601	309,601	-	150,000	-	150,000
Project Funding Estimates:							
Refuse Fund	-	15,000	15,000	-	23,550	-	23,550
Storm Water Fund	-	5,484	5,484	-	8,660	-	8,660
Wastewater Fund	-	25,968	25,968	-	8,550	-	8,550
Parking Fund	-	13,548	13,548	-	21,390	-	21,390
From General Fund	-	35,000	35,000	-	23,685	-	23,685
Net Project Cost Estimates:	35,399	214,601	214,601	-	64,165	-	64,165

City Hall Parking Lot Repairs

Project Description:

The parking lots in the City Hall complex (Annex, Parks, Civic, Locust) have received very limited maintenance in the last 30 years and are in need of drainage improvements and pavement or concrete rehabilitation. The multi-year program is a phased approach to addressing this deferred maintenance. Storm water quality improvements will be incorporated where feasible. The Annex parking lot was completed concurrently with the solar carport project and included storm water quality improvements funded by Measure E. The Locust and the Parks and Recreation lots are proposed to be repaired in FY17 and the Civic lot in FY19.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601301							Account # 311-60-00-9410-57290
Project Cost Estimate:	120,123	-	-	100,000	-	300,000	400,000
Net Project Cost Estimates:	120,123	-	-	100,000	-	300,000	400,000

Corp Yard Solar Upgrade

Project Description:

The Corporation Yard Main Building has a solar photovoltaic systems which can potentially be increased. A study was completed which recommended that an additional 200 solar modules, 55kw could be added to the roof to compliment the existing system. The payback is 5 years. The project will be implemented following with the seismic retrofit of the building, as a new roof will be installed at that time.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c601501	Account # 311-60-00-9410-57290						
Project Cost Estimate:	16,133	70,467	70,467	169,400	-	-	169,400
Project Funding Estimates:							
Water Fund	16,133	34,867	34,867	29,814	-	-	29,814
Parking Fund	-	11,000	11,000	4,066	-	-	4,066
Equipment Fund	-	6,600	6,600	43,875	-	-	43,875
Refuse Fund	-	-	-	91,645	-	-	91,645
Net Project Cost Estimates:	-	18,000	18,000	-	-	-	-

Corp Yard Stormwater Pollution Prevention Plan and Implementation

Project Description:

Development of a required Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard which will identify storm water quality Best Management Practices (BMP's) and provide funding for implementation. Structural BMP's may include a oil/water separator or other treatment system to capture oil and silt from the vehicle storage areas. Non-structural BMP's will include additional sweeping, monitoring and inspections.

	Fiscal Year 2017						Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	
Project # c601701	Account # 311-60-00-9410-57311						
Project Cost Estimate:	-	100,000	100,000	25,000	-	-	25,000
Project Funding Estimates:							
Water Fund	-	15,000	15,000	4,400	-	-	4,400
Refuse Fund	-	46,000	46,000	13,525	-	-	13,525
Equipment Fund	-	22,000	22,000	6,475	-	-	6,475
Parking Fund	-	2,000	2,000	600	-	-	600
Net Project Cost Estimates:	-	15,000	15,000	-	-	-	-

Corporation Yard Main Bldg Seismic

Project Description:

The Corporation Yard Main Building was constructed in 1966 and has been modified over the years. It currently houses Fleet, Water Operations, Public Works Operations, Building Maintenance, Street Maintenance, Traffic Maintenance and Parking Maintenance, and is an important emergency operations deployment center. The need to upgrade the buildings life-safety performance during a seismic event was identified in the Corporation Yard Master Plan. The seismic stability and retrofit strategies study for the building was done in FY12; the design initiated in FY 14 and construction is started in FY17. Costs have increased due to additional structural and ADA requirements.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601101	Account # 311-60-00-9410-57290						
Project Cost Estimate:	173,530	2,386,470	2,386,470	-	-	-	-
Project Funding Estimates:							
Parking Fund	38,280	119,560	119,560	-	-	-	-
Water Fund	93,901	335,219	335,219	-	-	-	-
Equipment Fund	25,247	68,043	68,043	-	-	-	-
Workers Comp Fund	14,452	1,231,673	1,231,673	-	-	-	-
Net Project Cost Estimates:	1,650	631,975	631,975	-	-	-	-

Install Corp Yard Heating System - CEC

Project Description:

Remove boiler in main building that currently supports radiant floor heating system, with 120 lineal feet of infrared heating system. The radiant floor system is being decommissioned in order to complete the seismic retrofit and beam replacement project. Energy savings of 2,122 kWh and 1,204 therms.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601606	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	42,224	42,224	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	42,224	42,224	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Insulate Ductwork on Annex Roof - CEC

Project Description:

Spray foam insulation on exposed duct work to reduce heat and loss/gain. Energy savings of 906 kWh and 137 therms.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601603	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	4,500	4,500	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,500	4,500	-	-	-	-
Net Project Cost Estimates:	-	4,500	4,500	-	-	-	-

IT Five Year Strategic Plan

Project Description:

Information Technology Strategic Plan - Transfers from Enterprise Funds in the same % as their shares of IT costs in the cost allocation plan, with remainder from the General Fund. Requested dollars cover the design, development and implementation of technology related projects which are prioritized on a rolling basis according to the Council and City's then current strategic focus areas, end of life platforms, statutory mandates, service delivery improvements and/or innovations. Each year's Information Technology budget presentation and work plan specify the approved projects.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601303	Account # 311-60-00-9910-57990						
Project Cost Estimate:	379,444	1,032,756	1,032,756	712,360	1,200,000	550,000	2,462,360
Project Funding Estimates:							
From General Fund	235,179	658,518	658,518	479,143	807,134	369,938	1,656,215
Water Fund	59,177	155,417	155,417	88,825	149,630	68,580	307,035
Wastewater Fund	29,963	93,438	93,438	54,674	92,101	42,213	188,988
Refuse Fund	32,340	66,749	66,749	60,174	101,366	46,459	207,999
Parking Fund	12,365	45,874	45,874	19,546	32,927	15,091	67,564
Storm Water Fund	6,581	13,839	13,839	9,998	16,842	7,719	34,559
Golf Course Fund	2,760	-	-	-	-	-	-
Net Project Cost Estimates:	1,079	(1,079)	(1,079)	-	-	-	-

Neighborhood Grant Program - Pilot

Project Description:

Pilot Program - Opportunities for communities to volunteer and to initiate local projects which support safe and well-maintained neighborhoods and public spaces.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601401	Account # 311-60-00-9810-57390						
Project Cost Estimate:	5,287	19,713	19,713	-	-	-	-
Net Project Cost Estimates:	5,287	19,713	19,713	-	-	-	-

Permitting Application

Project Description:

Implementation of a city-wide permitting system which will replace the legacy application on the HP3000.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c600802	Account # 311-60-00-9910-57901						
Project Cost Estimate:	552,700	62,300	62,300	-	-	-	-
Net Project Cost Estimates:	552,700	62,300	62,300	-	-	-	-

Public Facilities - Maintenance CEC

Project Description:

Provides funding for remodeling and/or repairs to various public buildings and will be prioritized based on a facilities conditions assessment (c601302) that has been completed and approved by City Council. The City has received a CEC loan which funds approximately \$2.0 million in energy saving projects allocated to many city-wide projects. The FY16 funding is for the measurement and verification, engineering and project management for all the CEC funded projects.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m609195	Account # 311-60-00-9410-57290						
Project Cost Estimate:	352,958	341,937	341,937	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	594,471	594,471	-	-	-	-
Net Project Cost Estimates:	352,958	(252,534)	(252,534)	-	-	-	-

Remove Corp Yard Wall Furnaces - CEC

Project Description:

Replace two wall furnaces in main building with ductless split system heat pump with inverter and electrically reversing valve for heating only. Energy savings of 1,056 therms.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601608	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	11,231	11,231	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	11,231	11,231	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Remove Indoor Condenser - Maint Garage - CEC

Project Description:

Remove indoor condenser unit and place with a new unit on the roof. Energy savings of 1440 kWh.

	Fiscal Year 2017						
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601614	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	4,758	4,758	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,758	4,758	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace City Hall Condensing Units - CEC

Project Description:

Replace 4 rooftop condensing units serving the indoor handler units on the historic portion of city hall. Energy savings are 5,408 kWh of electricity and 14 therms of natural gas.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601601							
Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	29,797	30,288	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	29,797	29,797	-	-	-	-
Net Project Cost Estimates:	-	-	491	-	-	-	-

Replace Corp Yard Air Furnace - CEC

Project Description:

Replace old forced air furnace in main building with new more efficient unit. Energy savings of 274 kWh and 8 therms.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601607							
Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	4,031	4,031	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,031	4,031	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Corp Yard Condensing Unit - CEC

Project Description:

Replace main building rooftop condensing unit with inverter unit and indoor unit. Energy savings of 2,137 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601610							
Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	7,229	7,229	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	7,229	7,229	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Corp Yard Services Bay Heaters - CEC

Project Description:

Replace two garage service bay heaters with more efficient infrared system. Energy savings of 2,137 kWh.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601609	Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	12,821	12,821	-	-	-	-	
Project Funding Estimates:								
Loan proceeds	-	12,821	12,821	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Replace Fans on Annex Roof - CEC

Project Description:

Replace three belt driven fans on Annex roof with direct drive fans. Energy savings of 4,322 kWh.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601604	Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	8,058	8,058	-	-	-	-	
Project Funding Estimates:								
Loan proceeds	-	8,058	8,058	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Replace Furnace - Maint Garage - CEC

Project Description:

Replace one 80% efficient gas furnace with condensing furnaces. Energy savings of 468 kWh and 104 therms.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601612	Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	4,184	4,184	-	-	-	-	
Project Funding Estimates:								
Loan proceeds	-	4,184	4,184	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Replace Heater - Maint Garage - CEC

Project Description:

Replace one Reznor unit heater with condensing furnace. Energy savings of 208 kWh and 303 therms.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601613	Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	4,292	4,292	-	-	-	-	
Project Funding Estimates: Loan proceeds	-	4,292	4,292	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Replace Heaters- Maint Building D - CEC

Project Description:

Replace two unit heaters with with sealed combustion chamber infrared units. Energy savings of 484 kWh and 196 therms.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601611	Account # 311-60-00-9410-57290							
Project Cost Estimate:	-	12,821	12,821	-	-	-	-	
Project Funding Estimates: Loan proceeds	-	12,821	12,821	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Retrofit Corp Yard Exterior Lighting - CEC

Project Description:

Replace thirteen wall packs with LED wall packs. Energy savings of 8,061 kWh.

	Fiscal Year 2017							Total 2018 - 2020
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate		
Project # c601605	Account # 311-60-00-9320-57305							
Project Cost Estimate:	-	8,867	8,867	-	-	-	-	
Project Funding Estimates: Loan proceeds	-	8,867	8,867	-	-	-	-	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

Retrofit Exterior Lighting (City-Wide) - CEC

Project Description:

Replace 15 wall packs and 22 can lights at parking garage, Police Department and other locations to LED systems. Energy savings of 12,739 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601615							Account # 311-60-00-9320-57305
Project Cost Estimate:	-	15,372	15,372	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	15,372	15,372	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

San Lorenzo River Lagoon Management Program

Project Description:

Three to five year management program to address public and private infrastructure flooding that results from high waters on the San Lorenzo River during the summer months, while mitigating impacts to wildlife habitat.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601403							Account # 311-60-00-9145-57106
Project Cost Estimate:	260,909	224,341	224,341	-	110,000	-	110,000
Project Funding Estimates:							
State capital grants-STIP	-	75,000	75,000	-	-	-	-
State capital grants	64,219	-	-	-	-	-	-
From General Fund	45,000	-	-	-	-	-	-
Contributions - businesses	-	50,000	50,000	-	-	-	-
Net Project Cost Estimates:	151,690	99,341	99,341	-	110,000	-	110,000

Space Utilization Plan for City Hall

Project Description:

Space Utilization Design for City Hall.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c141301							Account # 311-14-11-9410-57203
Project Cost Estimate:	152,837	412,163	412,163	-	-	-	-
Net Project Cost Estimates:	152,837	412,163	412,163	-	-	-	-

Existing Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165

Citywide Projects Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165

Citywide Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165