



Adopted  
Capital Investment Program Budget  
Fiscal Years 2019 - 2021

# **Guide to the Adopted Capital Investment Program Budget FY 2019 – FY 2021**

## **CAPITAL INVESTMENT PROGRAM**

The City faces an ongoing challenge to meet its capital needs with limited resources. The preparation and adoption of the Capital Investment 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 Investment Program is divided into four sections:

- Projects that Support the City's Climate Action Plan
- Projects that are unfunded in fiscal years 2019-2021
- New Projects
- Existing Projects

## **PROJECTS**

This section provides information on proposed capital investments 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.
- **"2018 Budget"** Shows the total amount appropriated for the current fiscal year.
- **"2018 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 2019.
- **"2019 Adopted", "FY 2020 Estimated", and "FY 2021 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 2019 - 2021"** Shows the total adopted funding required for the projects in FY 2019, and the total estimated funding required for FY 2020, and FY 2021.

**Guide to the Adopted  
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FY 2019 – FY 2021**

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:

<b>Fund</b>	<b>Primary Funding Source</b>	<b>Major Project Types</b>
<b>Governmental:</b>		
Capital Improvement Fund-General	Grants, share of transient occupancy tax, General Fund subsidy	Storm drains, transportation, government, buildings, parks, playgrounds, wharf, sidewalks, utility undergrounding, and lighting
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
2016 Transportation Measure D	Sales 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
<b>Enterprise:</b>		
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

## Projects that Support the City's Climate Action Plan

Project Title	Project No.	FY 2018 Estimated Project Cost	FY 2019 Estimated Project Cost
Solar PV Expansion at Corp Yard	c101901	-	-
Solar PV at the Landfill	c101902	-	666,300
Solar PV Installation at DeLaveaga Park	c101903	-	-
Electric Vehicle Charging Station Expansion in Public City Parking Lots	c101904	-	-
Retrofit Admin Lighting - CEC	c211601	7,642	-
Retrofit Station #1 Lighting - CEC	c211604	8,253	-
Retrofit Station #3 Lighting - CEC	c211609	2,686	-
Repair Irrigation along Riverwalk	c301901	-	25,000
Trails Study	c301908	-	40,000
Branciforte Creek Bike/Pedestrian Bridge	c401001	877,862	-
MB Sanctuary Scenic Trail (Rail Trail) Segment 7	c401413	3,100,000	-
Green Lane Project	c401513	82,058	-
Bay Street Sidewalk Completion Infill	c401615	605,845	-
Bay and King Streets Protected – Turns and Streetlights	c401616	332,105	-
Citywide Safe Routes to School Crossing Improvements	c401617	1,345,239	-
Murray Street Bridge Seismic Retrofit and Barrier Rail	c409321	8,312,253	-
Bay High Intersection Improvements	c401103	648,110	-
MB Sanctuary Scenic Trail (Rail Trail) Segment 7	c401413	6,920,231	-
UCSC City Transportation Improvements & Studies	c401008	250,000	-
Food Waste Collection and Conversion	c401204	1,767,650	-
HSIP Crossing Improvements	c401801	982,200	-
MB Sanctuary Scenic Trail (Rail Trail) Segments 8 & 9	c401804	-	4,669,000
Swanton Blvd Multi Use Trail Connector	c401805	-	-
Market Street Bike lanes and Sidewalk	c401806	-	-
SLR Parkway Phase II – Trestle Trail Widen	c401807	1,550,000	-
Downtown Bike Locker Replacement Program	c401812	75,000	100,000
Pacific Avenue Sidewalk Front to Second	c401902	-	-
Delaware Swift Intersection Improvements	c401904	-	-
Bay West Cliff Intersection Improvements	c401905	-	75,000
Pacific Front Intersection Improvements	c401906	-	-
Landfill Master Plan Development	c401909	-	280,000
San Lorenzo River Walk Lighting	c401910	-	-
Trolley Acquisition	c511704	110,000	-
Corp Yard Solar Upgrade	c601501	237,624	-
Replace Corp Yard Services Bay Heaters CEC	c610609	12,821	-
Replace Heater Maint Garage CEC	c601613	4,292	-
Public Facilities –Maintenance - CEC	m609195	238,931	-
Advanced Metering Infrastructure	c701603	44,400	-
Photovoltaic Systems Evaluations/Construction	c701607	102,888	-
Recycled Water	c701611	137,126	70,000
Recycled Water SDC	c701612	46,380	30,000
<b>Projects that support the Climate Action Plan Totals:</b>		<b>27,801,596</b>	<b>5,955,300</b>

City of Santa Cruz  
Capital Investment Program  
Fiscal Years 2019-2021  
Unfunded General Fund Projects

		ESTIMATED TOTAL
<b>1 Priority level 1:</b>		
c211902	Fire Station 1 Traffic Alerting & Warning Lights	110,000
c211910	Fire Engine (Wild Land Engine)	410,000
c401501	West Cliff Revetment Repair	250,000
c401901	Ladera Drive Storm Drain Improvement	350,000
c601303	IT Five Year Strategic Plan	440,628
<b>Total Priority Level 1 Unfunded Projects:</b>		<b>1,560,628 *</b>
<b>2 Priority level 2:</b>		
c211908	Fire Station 3 Rear Expansion-Apparatus Bay	350,000
c401505	Chestnut Street Storm Drain Replacement	250,000
c401507	Bay Drive Storm Damage Repair	200,000
c401803	Seabright Beach CMP Replacement	170,000
m609195	Public Facilities - Maintenance - CEC	200,000
<b>Total Priority Level 2 Unfunded Projects:</b>		<b>1,170,000</b>
<b>3 Priority level 3:</b>		
c211901	Fire Station 1 (Downtown) Rear Driveway	24,000
c211907	Fire Station 3 Front Driveway project	30,000
c601504	City Hall Campus Emergency Generators	75,000
<b>Total Priority Level 3 Unfunded Projects:</b>		<b>129,000</b>
<b>Total General Fund Unfunded Projects:</b>		<b>2,859,628</b>

\* These projects are now funded with the passing of Measure S.

City of Santa Cruz  
Capital Investment Program  
Fiscal Years 2019-2021  
Unfunded Projects

	ESTIMATED TOTAL
<b><u>City Manager Department:</u></b>	
Solar PV Expansion at Corp Yard	730,000
Solar PV Installation at DeLaveaga Park	898,800
Electric Vehicle Charging Station Expansion in Public City Parking Lots	200,000
<b>Total City Manager Department Unfunded Projects:</b>	<b>1,828,800</b>
<b><u>Fire Department:</u></b>	
Fire Department Training Center	2,000,000
Lifeguard Headquater Maintenance	60,000
<b>Total Fire Department Unfunded Projects:</b>	<b>2,060,000</b>
<b><u>Parks and Recreation Department:</u></b>	
Pogonip Clubhouse Renovation	5,000,000
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
<b>Total Parks and Recreation Department Unfunded Projects:</b>	<b>8,800,000</b>
<b><u>Public Works Department:</u></b>	
<b><u>Citywide Storm Drains:</u></b>	
Branciforte Creek Scour Repair and Maintenance	1,500,000
Curtis Street Storm Drain Phase II	500,000
Grant Street Storm Drain Installation	400,000
Mission Street Extension Storm Drain	100,000
Storm Drain Master Plan Projects	5,000,000
Soquel-Pine Street Improvements and Storm Drain	1,200,000
San Lorenzo River Gravity Outlet System Rehabilitation	400,000
San Lorenzo River Pump Station Rehab and Upgrades	2,000,000
Trevethan Storm Drain	200,000
<b>Total Citywide Storm Drains Unfunded Projects:</b>	<b>11,300,000</b>

**City of Santa Cruz  
Capital Investment Program  
Fiscal Years 2019-2021  
Unfunded Projects**

	<b>ESTIMATED</b>
	<b>TOTAL</b>
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<b><u>Transportation Improvements:</u></b>	
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
<b>Total Transportation Improvements Unfunded Projects:</b>	<b>241,950,000</b>
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<b><u>Citywide Improvements</u></b>	
Facilities Master Plan	30,500,000
<b>Total Citywide Improvements Unfunded Projects:</b>	<b>30,500,000</b>
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<b>Total Public Works Department Unfunded Projects:</b>	<b>283,750,000</b>
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<b>Total Unfunded Projects Citywide:</b>	<b>299,298,428</b>
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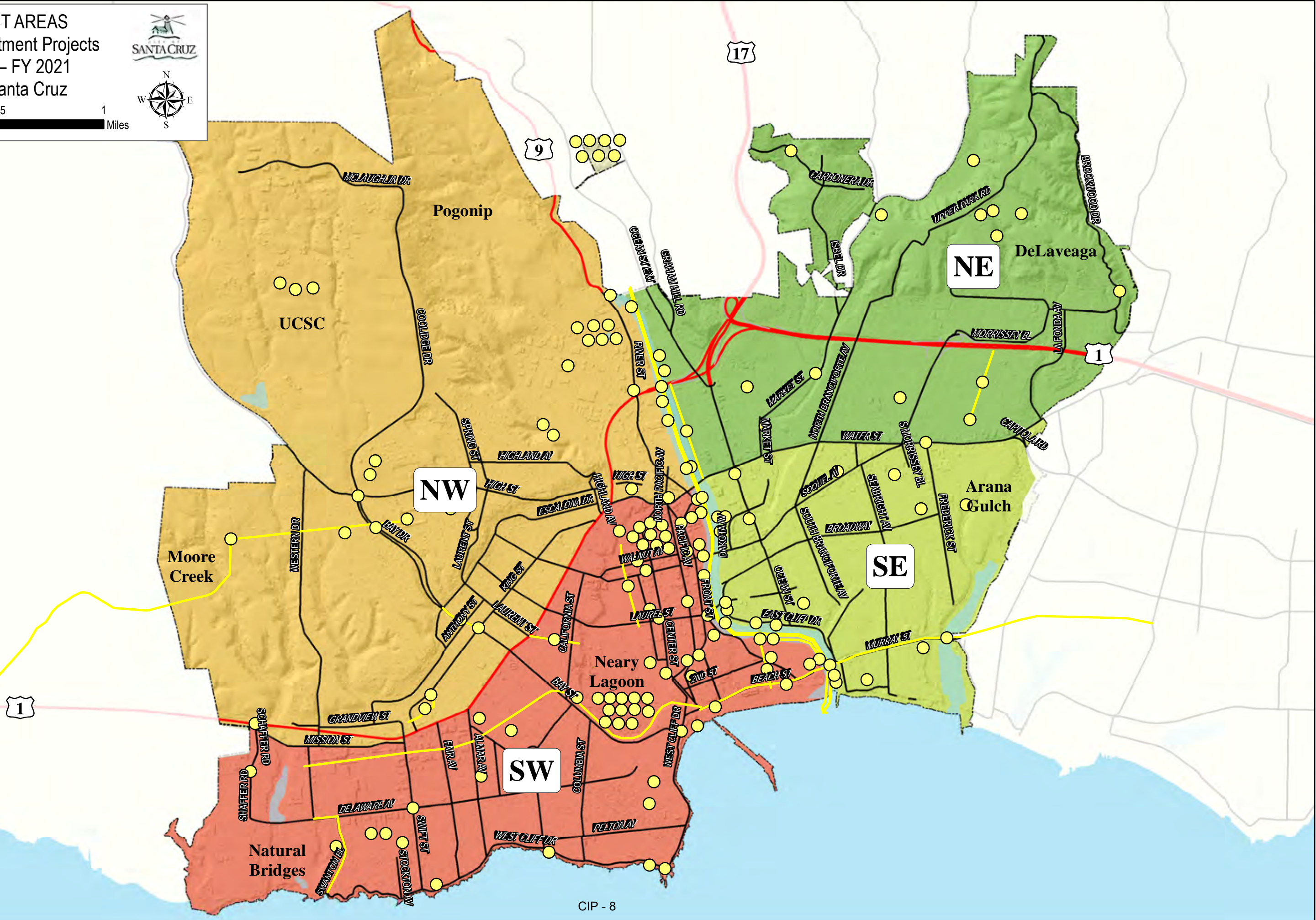
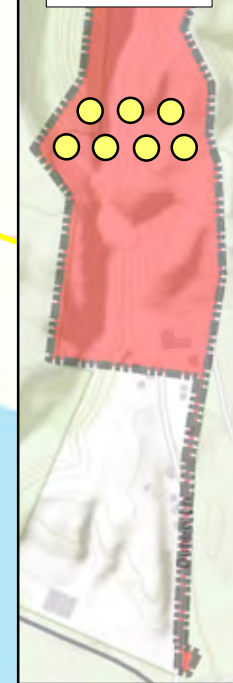


PROJECT AREAS  
Capital Investment Projects  
FY 2019 – FY 2021  
City of Santa Cruz



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Landfill Inset

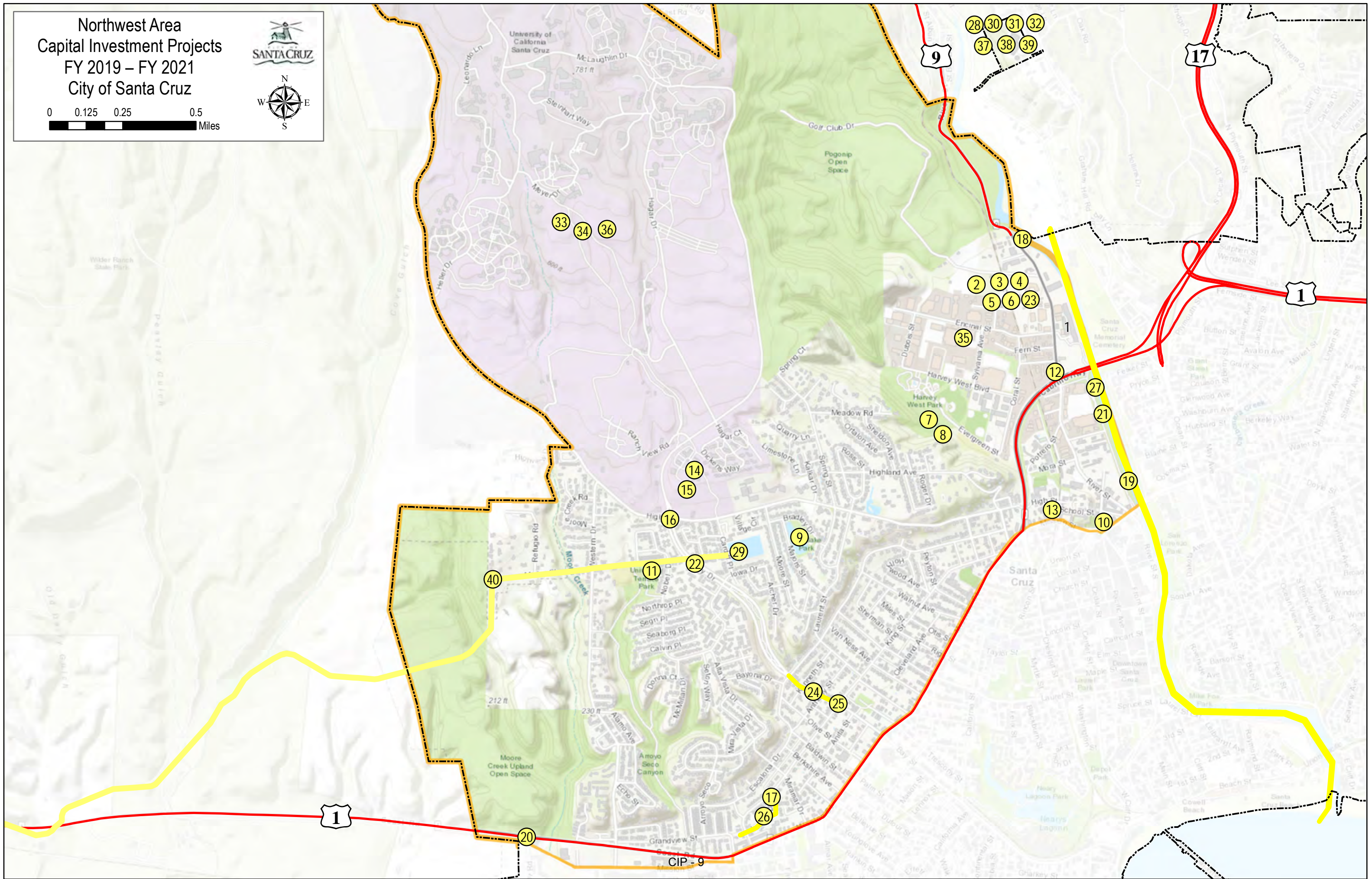




Northwest Area  
Capital Investment Projects  
FY 2019 – FY 2021  
City of Santa Cruz

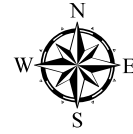


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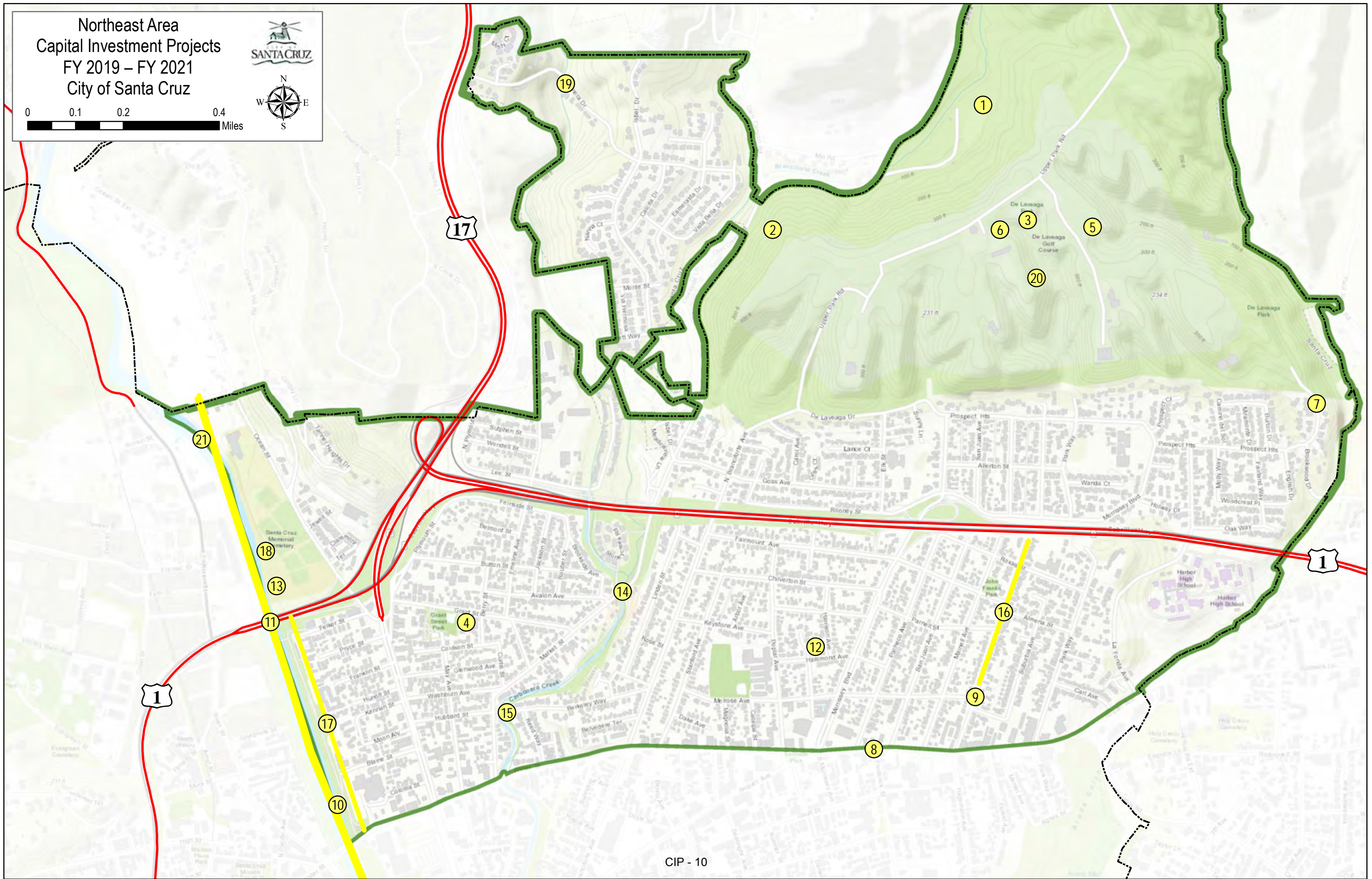




Northeast Area  
Capital Investment Projects  
FY 2019 – FY 2021  
City of Santa Cruz

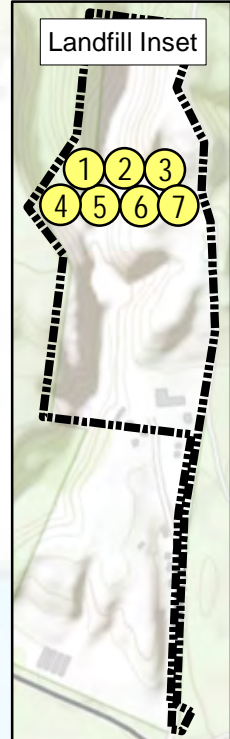
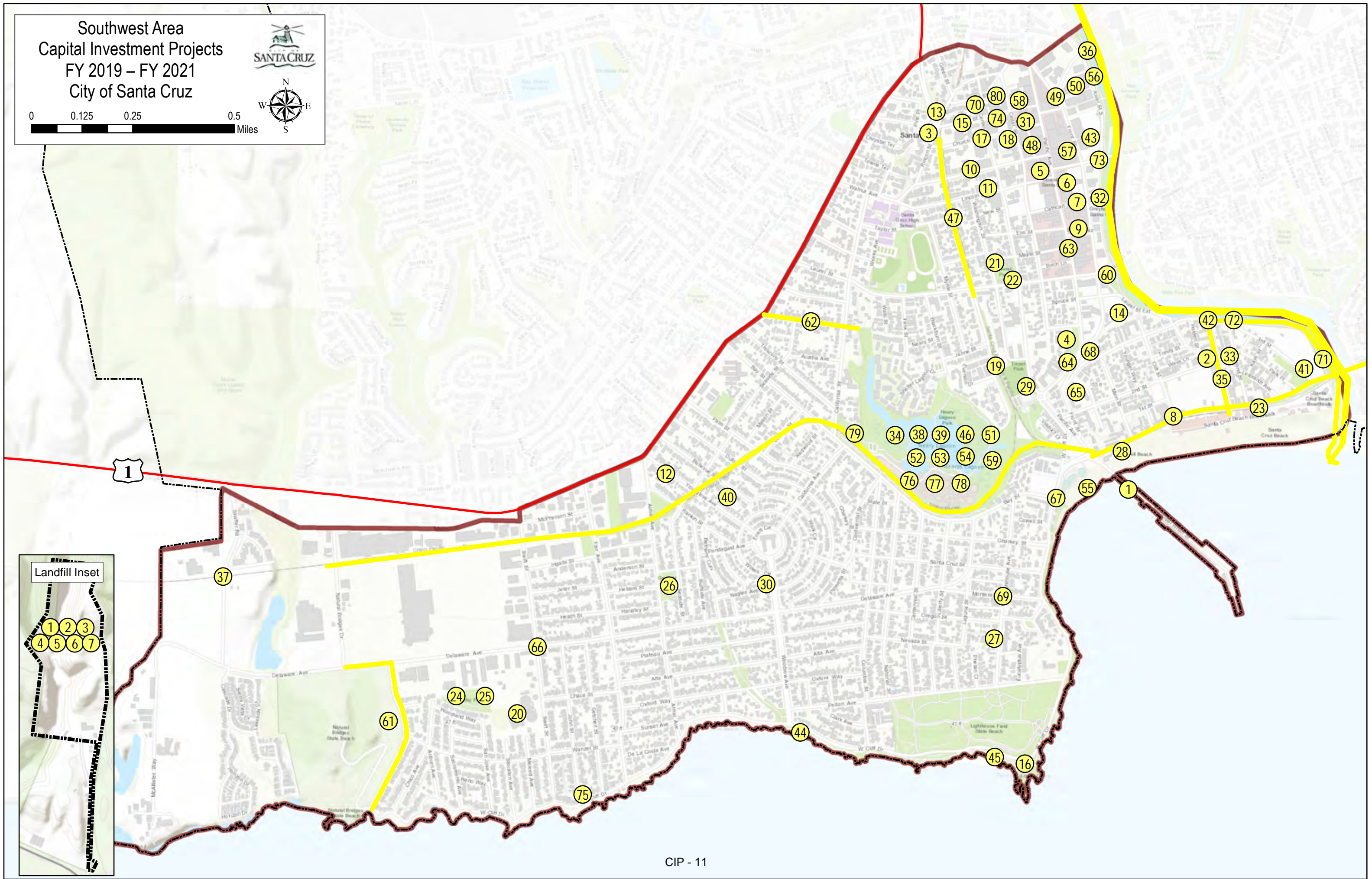


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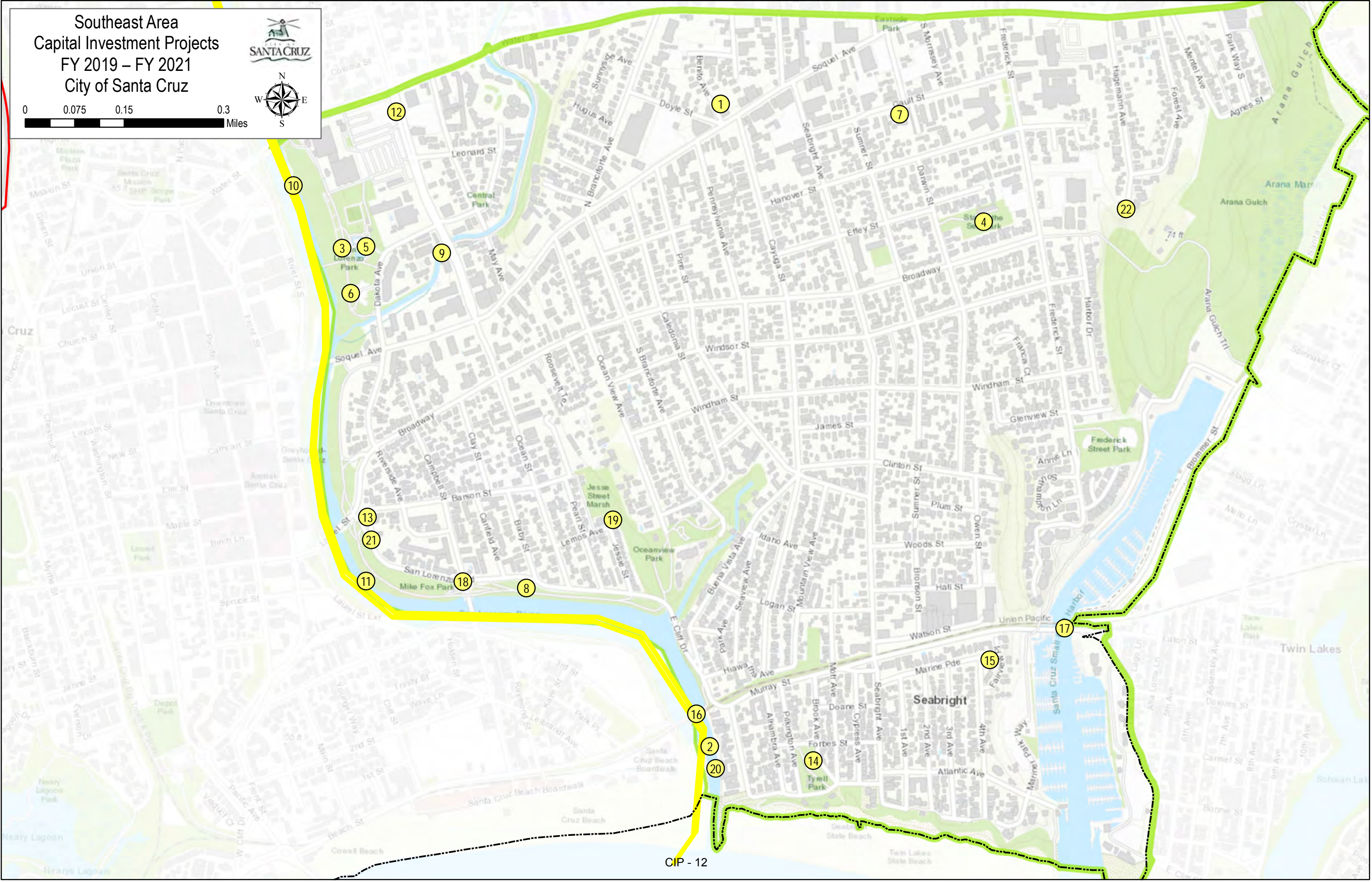
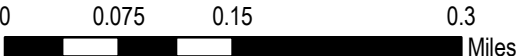


Southwest Area  
Capital Investment Projects  
FY 2019 – FY 2021  
City of Santa Cruz





Southeast Area  
Capital Investment Projects  
FY 2019 – FY 2021  
City of Santa Cruz





## **Northwest Quadrant**

<b>Map #</b>	<b>Project Name</b>	<b>CIP #</b>
1	Tannery Landscaping	c511706
2	CEC Grant- Bldg Energy Efficiency Advance	c401814
3	Corporation Yard Main Bldg. Seismic	c601101
4	Corp Yard Solar Upgrade	c601501
5	Replace Corp Yard Air Furnace - CEC	c601607
6	Corp Yard Stormwater Pollution Prevention Plan and Implementation	c601701
7	Harvey West park Restroom Rennovations	c301609
8	Harvey West Playground	c301902
9	Westlake Path	c301903
10	Repaint Townclock	c301904
11	University Terrace Restrooms	c301905
12	Route 1/9 Imp	c400805
13	Mission Street Hill Utility Undergrounding	c401004
14	UCSC City Transportation Improvements	c401008
15	UCSC City Clue Public Transportation	c401009
16	Bay/High Intersection	c401103
17	Ladera Drive Sewer	c401305
18	Pogonip Creek Sedimentation Removal	c401306
19	San Lorenzo River Levee Storm Drain Maintenance	c401314
20	Shaffer Rd RR Xing & Rte 1 Traffic Signal	c401403
21	SLR Parkway/Levee Imp	c401416
22	Bay St Storm Damage Repair	c401507
23	CNG Fueling Station and Fleet Maintenance Shop Safety Improvements	c401613
24	Bay Street Sidewalk Completion Infill	c401615
25	Bay and King Streets Protected Left-Turns and Streetlights	c401616
26	Ladera Drive Storm Drain Improvement	c401901
27	SLR Lagoon MGMT	c601403
28	Water Treatment Upgrades	c700025
29	Bay Street Reservoir Reconstruction	c700313
30	WTP Filter Rehabilitation and Upgrades	c701303



## **Northwest Quadrant (continued)**

Map #	Project Name	CIP #
31	WTP Concrete Tank Assessment and Rehabilitation	c701501
32	WTP Flocculator Mixers	c701502
33	Recoat University Reservoir No. 4	c701505
34	Recoat University Reservoir No. 5	c701506
35	Spoils and Stockpile Handling Facilities Impro	c701508
36	Photovoltaic Systems Evaluation/Construction	c701607
37	Aquifer Storage and Recovery	c701609
38	Aquifer Storage and Recovery-SDC	c701610
39	Water Resources Building	c701702
40	North Coast System Rehabilitation	c709835

## **Northeast Quadrant**

<b>Map #</b>	<b>Project Name</b>	<b>CIP #</b>
1	DeLaveaga Park Parking Lot Rehabilitation	c300901
2	DeLaveaga Park Watershed Management	c301203
3	DeLaveaga Golf Course Facility Improvements	c301213
4	Grant Park Restroom Renovation	c301506
5	DeLaveaga Golf Course Public Restroom Improvements	c301513
6	DeLaveaga Golf Course Building Remodel	c301801
7	Brookwood Dr. Repair	c301804
8	Soquel @ Frederick Widening	c401003
9	Trevethan Storm Drain Project - Phase 1	c401307
10	San Lorenzo River Levee Storm Drain Maintenance	c401314
11	Route 1 Bridge Replacement	c401402
12	Fairmount/Harrison Sewer Main Upgrade	c401404
13	SLR Parkway/Levee Imp	c401416
14	Market Street Sidewalk and Bike Lane	c401806
15	Branciforte Creek Sewer Siphon Relocation	c401808
16	Trevethan Ave Sewer	c401810
17	SLR Walk Lighting	c401910
18	SLR Lagoon MGMT	c601403
19	Pump Station P11-SP101 Modifications	m401601
20	Pressure Regulation Stations	c701703
21	San Lorenzo River Diversion and Tait Wells	c709872

## **Southwest Quadrant**

<b>Map #</b>	<b>Project Name</b>	<b>CIP #</b>
1	Wharf Ticketing Booths/ Gates	c511502
2	Riverside Ave Underground Utility	c401208
3	Broadband Infrastructure	c511501
4	Lower Pacific Avenue Improvements	c511702
5	Downtown Alley Improvements	c511703
6	Trolley Acquisition	c511704
7	Farmers Market Structure	c511901
8	Citywide Sign Program Phase II	r521205
9	Metro Center Housing	r521301
10	Retrofit Fire Admin Lighting - CEC	c211601
11	Retrofit Station #1 Lighting - CEC	c211604
12	Retrofit Station #3 Lighting - CEC	c211609
13	City Hall Parking Lot Repairs	c601301
14	Arena Capital Improvements	c601402
15	City Hall Campus Emergency Generators	c601504
16	Surfing Museum Improvements	c301522
17	Civic Auditorium General Lighting Improvements	c301603
18	Civic Auditorium Theatre Lighting Improvements	c301604
19	Scott Kennedy Field Replacement	c301605
20	Natural Bridges Gymnasium Floor Repair, Replacement	c301702
21	Louden Nelson CC Improvements	c301703
22	Parks & Recreation Fencing Project	c301803
23	Trails Study	c301908
24	Sgt Derby Pickleball Courts	c301909
25	Sgt Derby Improvements	c301910
26	Garfield Park Irrigation	c301911
27	Lighthouse Avenue Park Playground Enhancement	c301912
28	Beach Street Restrooms	c301913
29	Bicycle Trip Bike Park	c301914

## **Southwest Quadrant (continued)**

<b>Map #</b>	<b>Project Name</b>	<b>CIP #</b>
30	Garfield Park Measure S Facility Remodel	c351802
31	Downtown Branch Measure S	c351803
32	Lot 7, Front/Cathcart Rehab	c400007
33	Riverside Second St improvements	c401105
34	Food Waste Collection and Conversion	c401204
35	Riverside Ave Improvements Phase II	c401208
36	San Lorenzo River Levee Storm Drain Maintenance	c401314
37	Shaffer Rd RR Xing & Rte 1 Traffic Signal	c401403
38	WWTF Transformer Replacement	c401405
39	WWTF Water Piping Rehab	c401407
40	MB Sanctuary Scenic Trail (Rail Trail) - Segment 7	c401413
41	SLR Parkway/Levee Imp	c401416
42	SLR Parkway/Levee Imp	c401416
43	SLR Parkway/Levee Imp	c401416
44	West Cliff Drive Revetment Repair	c401501
45	West Cliff Drive Revetment Repair	c401501
46	WWTF Ultraviolet Disinfection System Replacement	c401504
47	Chestnut St Storm Drain Replacement	c401505
48	Garage Deck Restoration	c401508
49	Garage Deck Restoration	c401508
50	River-Front Garage Elevator	c401509
51	WWTF Reclaim Water	c401604
52	WWTF Sewer Main Rehabilitation	c401606
53	WWTF Upgrade Digester Equipment	c401607
54	WWTF Laboratory Modernization	c401608
55	Cowell Beach Water Quality Project	c401614
56	Parking Equipment Replacement	c401703
57	Parking Equipment Replacement	c401704
58	Parking Equipment Replacement	c401705

## **Southwest Quadrant (continued)**

<b>Map #</b>	<b>Project Name</b>	<b>CIP #</b>
59	WWTF Infrastructure and Major Equipment Study	c401706
60	Downtown SLR Drainage System Assessment	c401707
61	Swanton Blvd Multi-use Trail Connector	c401805
62	Laurent St Sewer	c401809
63	Downtown Bike Locker Replacement Program	c401812
64	Streetlights 555 Pacific to Beach	c401813
65	Pacific Avenue Sidewalk	c401902
66	Delaware-Swift Intersection Imp	c401904
67	Bay - West Cliff Intersection Improvements	c401905
68	Traffic Control Options 555 Pacific	c401906
69	Monterey St and Lighthouse Ave Sewer	c401907
70	Parking Lot Repairs	c601301
71	SLR Lagoon MGMT	c601403
72	SLR Lagoon MGMT	c601403
73	SLR Lagoon MGMT	c601403
74	City Hall Emergency Generator	c601504
75	West Cliff Drive Multi-use Maintenance	m400819
76	WWTF Centrifuge Rebuild	m401201
77	WWTF Secondary Clarifiers Repairs	m401303
78	WWTF Equipment Replacement	m409659
79	Neary Lagoon Park Rehab/Restoration	m409668
80	Union/Locust Building Remodel	c701805
81	Fire Truck (Wild Lands)	c211910



## **Landfill - Southwest Quadrant (continued)**

Map #	Project Name	CIP #
1	Solar PV Installation at the Landfill	c101902
2	Food Waste Collection and Conversion	c401204
3	Recycling Center Dust Control System	c401205
4	Dimeo Lane Paving and Storm Drain	c401312
5	Recycling Building and Equipment Improvement	c401811
6	Gas Probe Remediation	c401908
7	Landfill Master Plan Development	c401909

## **Southeast Quadrant**

Map #	Project Name	CIP #
1	Replace Station #2 Natural Gas Furnace - CEC	c211607
2	SLR Mouth and Lagoon Mgmt. Plan	c601403
3	San Lorenzo Park Improvement	c301614
4	Parks & Recreation Fencing Project	c301803
5	Repair Irrigation along Riverwalk	c301901
6	San Lorenzo Park Redesign	c301907
7	Branciforte Measure S Facility Remodel	c351801
8	SL River Pump Station #2	c401207
9	Branciforte Creek Channel Repair and Maintenance	c401313
10	San Lorenzo River Levee Storm Drain Maintenance	c401314
11	SL River Sanitary Sewer Siphon	c401315
12	Ocean/Water Intersection Imp	c401410
13	SLR Parkway/Levee Imp	c401416
14	Seabright Beach CMP Replacment	c401803
15	MB Sanctuary Scenic Trail (Rail Trail) - Segments 8 & 9	c401804
16	SLR Parkway Phase III - Trestle Trail Widening	c401807
17	Murray St Bridge Retrofit	c409321
18	SLR Flood Control Environ Rest Project	c409512
19	Jesse Street Marsh	c409669
20	SLR Mouth and Lagoon Mgmt. Plan	c601403
21	SLR Lagoon MGMT	c601403
22	Hagemann Aerial Sewer Rehabilitation	m401403

## **Unmapped Projects**

<b>Project Name</b>	<b>CIP #</b>
Parks and Recreation Master Plan	c301528
General Capital Improvement Project Fund	c301612
Arterial and Collector St Reconstruction & Overlay	c400809
Residential and Collector St Reconstruction & Overlay	c400810
LED light replacement (Citywide) - CEC	c401418
Sewer System Improvements	c401511
Citywide Traffic Signal Controller Upgrade	c401602
Catch Basin Replacement Program	c401610
Citywide Safe Routes to School Crossing Improvements	c401617
Storm Water Trash Capture Program	c401701
CMP Storm Drain Pipe Replacement	c401709
HSIP Cycle 8 Crossing Improvements	c401801
Downtown Intersection Improvements	c401903
Permitting Application	c600802
IT Five Year Strategic Plan	c601303
Neighborhood Grant Program - Pilot	c601401
Retrofit Exterior Lighting (City-Wide) - CEC	c601615
c700003, c700004, c701507 - Main Replacements	c700002
c709833 - Transmission System Improvements	c700017
Beltz Well #11	c700026
Beltz Well #4 Replacement with #12	c701003
Loch Lomond Facilities Improvements	c701301
Felton Diversion Replacement and Pump Station Rehabilitation	c701602
Advanced Metering Infrastructure (AMI)	c701603
Newell Creek Dam Inlet/Outlet Pipeline	c701606
Source Water Evaluation	c701608
c701612 - Recycled Water	c701611
Newell Creek Supply Main Rehabilitation	c701701

## **Unmapped Projects (continued)**

<b>Project Name</b>	<b>CIP #</b>
Security Camera & Building Access Upgrades	c701704
Water Supply Augmentation Strategy Implementation	c701705
Aerators at Loch Lomond	c701706
Coast Pump Station Line Repairs	c701707
Tube Settler Replacement	c701708
N. Coast System Rehab- Laguna Diversion	c701801
N. Coast System Rehab - Major Diversion	c701802
Brackney Landslide Risk Reduction	c701803
Coast Pump Stat. & Tail Well Flood Reduction	c701804
River Bank Filtration	c701806
Bridge Maintenance	m401302
Public Facilities - Maintenance/CEC Energy Saving Projects	m609195

# **Fire Department**

## **Capital Investment Projects**



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

Fire (NEW)

311- General Capital  
Improvement Fund

**Fire Administration Security Fencing**

**Project Description:**

Employee and Department vehicles have been vandalized and/or burglarized 5 times this past year. Vehicles are vulnerable 24hours and should be secured at night.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211903							Account # 311-21-00-9610-57106
Project Cost Estimate:	-	-	-	-	75,000	-	75,000
Net Project Cost Estimates:	-	-	-	-	75,000	-	75,000

**Fire Engine (Wild Land Engine)**

**Project Description:**

Fire Engine (Wild Land Engine). (Priority level 1 unfunded FY19 project - This project is now funded and requires \$410,000 from the General Fund).

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211910							Account # 311-21-00-9620-57402
Project Cost Estimate:	-	-	-	410,000	-	-	410,000
Project Funding Estimates: From General Fund	-	-	-	410,000	-	-	410,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Fire Station 1 (Downtown) Rear Driveway**

**Project Description:**

Needs immediate attention due to damage to vehicles and apparatus. (Priority level 3 unfunded project - If funded in FY19, this project would require \$24,000 from the General Fund).

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211901							Account # 311-21-00-9610-57309
Project Cost Estimate:	-	-	-	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

Fire (NEW)

311- General Capital  
Improvement Fund

**Fire Station 1 Traffic Alerting & Warning Lights**

**Project Description:**

Flashing lights, signage, and striping to protect Firefighters who are in street backing up the Fire Engine in front of Station 1.  
(Priority level 1 unfunded FY19 project - This project is now funded and requires \$110,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c211902	Account # 311-21-00-9610-57305						
Project Cost Estimate:	-	-	-	110,000	-	-	110,000
Project Funding Estimates: From General Fund	-	-	-	110,000	-	-	110,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Fire Station 2 (Eastside) Exercise & Storage Facility**

**Project Description:**

Exercise facility is currently housed with the apparatus and is inadequate. There is a critical need for vehicle and equipment storage in order to prolong life and secure City property.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c211904	Account # 311-21-00-9610-57203						
Project Cost Estimate:	-	-	-	-	-	250,000	250,000
Net Project Cost Estimates:	-	-	-	-	-	250,000	250,000

**Fire Station 2 Replacement**

**Project Description:**

Station has been identified as obsolete and requiring replacement.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c211905	Account # 311-21-00-9610-57201						
Project Cost Estimate:	-	-	-	-	-	5,500,000	5,500,000
Net Project Cost Estimates:	-	-	-	-	-	5,500,000	5,500,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

Fire (NEW)

311- General Capital  
Improvement Fund

**Fire Station 3 Front Driveway project**

**Project Description:**

Driveway needs replacing because it is beginning to fail. (Priority level 3 unfunded project - If funded in FY19, this project would require \$30,000 from the General Fund).

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211907							Account # 311-21-00-9610-57309
Project Cost Estimate:	-	-	-	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Fire Station 3 Rear Expansion-Apparatus Bay**

**Project Description:**

There is a critical need for vehicle and equipment storage in order to prolong life and secure City property. (Priority level 2 unfunded project - If funded in FY19, this project would require \$350,000 from the General Fund).

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211908							Account # 311-21-00-9610-57201
Project Cost Estimate:	-	-	-	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Marine Safety Headquarters Replacement**

**Project Description:**

Lifeguard Headquarters is an older structure that is reaching the end of its expected life service. The expected service life is 3 more service years and then it will need to be abandoned. Cost for repairs and maintenance are excessive and can't be justified, the structure needs to be replaced.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c211909							Account # 311-21-00-9610-57201
Project Cost Estimate:	-	-	-	-	3,750,000	-	3,750,000
Net Project Cost Estimates:	-	-	-	-	3,750,000	-	3,750,000

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	520,000	3,825,000	5,750,000	10,095,000
Total Project Funding Estimate:	-	-	-	520,000	-	-	520,000
Total Net Project Cost Estimate:	-	-	-	-	3,825,000	5,750,000	9,575,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Fire (EXISTING)**

**311- General Capital  
Improvement Fund**

**Replace Station #2 Natural Gas Furnace - CEC**

**Project Description:**

Replace one natural gas furnace with 95% high efficient condensing gas furnaces. Energy savings of 1,223 kWh and 71 therms.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c211607</b>	<b>Account # 311-21-00-9610-57290</b>						
<b>Project Cost Estimate:</b>	-	8,099	8,099	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	8,099	8,099	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Retrofit Fire Admin Lighting - CEC**

**Project Description:**

Comprehensive interior lighting upgrade includes F228T8 fluorescent and LED fixtures where appropriate. Energy savings of 1,854 kWh.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c211601</b>	<b>Account # 311-21-00-9610-57305</b>						
<b>Project Cost Estimate:</b>	-	7,642	7,642	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	7,642	7,642	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Retrofit Station #1 Lighting - CEC**

**Project Description:**

Comprehensive interior lighting upgrade includes F228T8 fluorescent and LED fixtures where appropriate. Energy savings of 3,943 kWh.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c211604</b>	<b>Account # 311-21-00-9610-57305</b>						
<b>Project Cost Estimate:</b>	-	8,253	8,253	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	8,253	8,253	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Fire (EXISTING)**

**311- General Capital  
Improvement Fund**

**Retrofit Station #3 Lighting - CEC**

**Project Description:**

Comprehensive interior lighting upgrade includes F228T8 fluorescent. Energy savings of 828 kWh.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c211609</b>	<b>Account # 311-21-00-9610-57305</b>						
<b>Project Cost Estimate:</b>	-	2,686	2,686	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	2,686	2,686	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	7,938	26,680	26,680	-	-	-	-
<b>Total Project Funding Estimate:</b>	-	26,680	26,680	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	7,938	-	-	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

## Others for General Capital Improvement Fund (311) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	-	-	-	-

## Fire Totals for General Capital Improvement Fund (311)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	7,938	26,680	26,680	520,000	3,825,000	5,750,000	10,095,000
Total Project Funding Estimate:	-	26,680	26,680	520,000	-	-	520,000
Total Net Project Cost Estimate:	7,938	-	-	-	3,825,000	5,750,000	9,575,000

## Fire Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	7,938	26,680	26,680	520,000	3,825,000	5,750,000	10,095,000
Total Project Funding Estimate:	-	26,680	26,680	520,000	-	-	520,000
Total Net Project Cost Estimate:	7,938	-	-	-	3,825,000	5,750,000	9,575,000

# Department Capital Investment Projects



Louden Nelson Auditorium



Louden Nelson Café Area

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (NEW)**

311- General Capital  
Improvement Fund

**Beach Street Restrooms**

**Project Description:**

Renovate the Beach Street Restrooms.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301913</b>							<b>Account # 311-30-41-9120-57203</b>
<b>Project Cost Estimate:</b>	-	-	-	100,000	-	-	100,000
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	-	-	-	100,000	-	-	100,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Bicycle Trip Bike Park**

**Project Description:**

Redesign, replace, and enhance the existing bicycle park facility at Depot Park.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301914</b>							<b>Account # 311-30-41-9110-57312</b>
<b>Project Cost Estimate:</b>	-	-	-	44,500	-	-	44,500
<b>Project Funding Estimates:</b>							
CDBG Fund	-	-	-	44,500	-	-	44,500
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Garfield Park Irrigation**

**Project Description:**

Renovate Garfield Park irrigation.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301911</b>							<b>Account # 311-30-41-9110-57390</b>
<b>Project Cost Estimate:</b>	-	-	-	15,000	-	-	15,000
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	-	-	-	15,000	-	-	15,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (NEW)**

311- General Capital  
Improvement Fund

**Harvey West Playground**

**Project Description:**

Renovate the Harvey West Playground and add ADA features.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301902	Account # 311-30-41-9110-57312						
Project Cost Estimate:	-	-	-	125,000	-	-	125,000
Project Funding Estimates: Quimby NW Quadrant	-	-	-	125,000	-	-	125,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Lighthouse Avenue Park Playground Enhancement**

**Project Description:**

Renovate the playground at Lighthouse Avenue Park.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301912	Account # 311-30-41-9110-57312						
Project Cost Estimate:	-	-	-	30,000	-	-	30,000
Project Funding Estimates: Parks and Rec Facilities Tax Fund	-	-	-	30,000	-	-	30,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Repaint Townclock**

**Project Description:**

Repaint all painted exterior surfaces of Town Clock.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301904	Account # 311-30-41-9120-57290						
Project Cost Estimate:	-	-	-	7,500	-	-	7,500
Project Funding Estimates: Quimby NW Quadrant	-	-	-	7,500	-	-	7,500
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (NEW)**

311- General Capital  
Improvement Fund

**Repair Irrigation along Riverwalk**

**Project Description:**

Repair existing irrigation along the Santa Cruz Riverwalk.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301901							Account # 311-30-41-9150-57312
Project Cost Estimate:	-	-	-	25,000	-	-	25,000
Project Funding Estimates: Quimby NE Quadrant	-	-	-	25,000	-	-	25,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**San Lorenzo Park Redesign**

**Project Description:**

San Lorenzo Park redesign master planning process.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301907							Account # 311-30-41-9110-57312
Project Cost Estimate:	-	-	-	100,000	-	-	100,000
Project Funding Estimates: Parks and Rec Facilities Tax Fund	-	-	-	100,000	-	-	100,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Sgt Derby Improvements**

**Project Description:**

Sgt. Derby Park planning study and improvements.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301910							Account # 311-30-41-9110-57312
Project Cost Estimate:	-	-	-	50,000	-	-	50,000
Project Funding Estimates: Parks and Rec Facilities Tax Fund	-	-	-	50,000	-	-	50,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (NEW)**

311- General Capital  
Improvement Fund

**Sgt Derby Pickleball Courts**

**Project Description:**

Construct pickleball courts at Sgt. Derby Park.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301909							Account # 311-30-41-9110-57312
Project Cost Estimate:	-	-	-	55,000	-	-	55,000
Project Funding Estimates: Parks and Rec Facilities Tax Fund	-	-	-	55,000	-	-	55,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Trails Study**

**Project Description:**

Conduct an Open Space Trails Study.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301908							Account # 311-30-41-9190-57312
Project Cost Estimate:	-	-	-	40,000	-	-	40,000
Project Funding Estimates: Parks and Rec Facilities Tax Fund	-	-	-	40,000	-	-	40,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

**University Terrace Restrooms**

**Project Description:**

Construct a new restroom at University Terrace Park.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c301905							Account # 311-30-41-9120-57203
Project Cost Estimate:	-	-	-	60,000	-	-	60,000
Project Funding Estimates: Quimby NW Quadrant	-	-	-	60,000	-	-	60,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Parks and Recreation (NEW)**

**311- General Capital  
Improvement Fund**

**Westlake Path**

**Project Description:**

Construct a walking path around Westlake Park.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Prior Year	Budgeted				
<b>Project #</b>	<b>c301903</b>						
<b>Account # 311-30-41-9110-57312</b>							
<b>Project Cost Estimate:</b>		-	-	40,000	-	-	40,000
<b>Project Funding Estimates:</b>							
Quimby NW Quadrant		-	-	40,000	-	-	40,000
<b>Net Project Cost Estimates:</b>		-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	692,000	-	-	692,000
Total Project Funding Estimate:	-	-	-	692,000	-	-	692,000
Total Net Project Cost Estimate:	-	-	-	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**Brookwood Dr. Repair**

**Project Description:**

Repair of Brookwood Drive service road located in DeLaveaga Park which provides emergency access for the 911 Center and residents. The road received extensive damage from the winter storms of 2016 and the repair is partially funded by Cal OES.

**Fiscal Year 2018**

	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c301804</b>	<b>Account # 311-30-41-9150-57390</b>						
<b>Project Cost Estimate:</b>	-	246,236	246,236	-	-	-	-
<b>Project Funding Estimates:</b>							
Quimby NE Quadrant	-	50,000	50,000	-	-	-	-
Parks and Rec Facilities Tax Fund	-	3,348	3,348	-	-	-	-
From General Fund	-	25,000	25,000	-	-	-	-
OES disaster relief	-	167,888	167,888	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**City Parks' Repair and Maintenance**

**Project Description:**

Establish funding for unexpected and unforeseen projects throughout City parks.

**Fiscal Year 2018**

	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c301612</b>	<b>Account # 311-30-41-9110-57312</b>						
<b>Project Cost Estimate:</b>	28,700	30,454	30,454	25,000	25,000	25,000	75,000
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	28,700	30,454	30,454	25,000	25,000	25,000	75,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Civic Auditorium General Lighting Improvements**

**Project Description:**

Improvements to general lighting in the Civic Auditorium

**Fiscal Year 2018**

	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c301603</b>	<b>Account # 311-30-41-9120-57290</b>						
<b>Project Cost Estimate:</b>	-	75,000	75,000	-	-	-	-
<b>Project Funding Estimates:</b>							
Quimby SW Quadrant	-	75,000	75,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**Civic Auditorium Theatre Lighting Improvements**

**Project Description:**

Improvements to theatre lighting in the Civic Auditorium

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301604</b>							<b>Account # 311-30-41-9120-57290</b>
<b>Project Cost Estimate:</b>	62,445	4,555	4,555	-	-	-	-
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	62,445	4,555	4,555	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**DeLaveaga Golf Course Building Remodel**

**Project Description:**

Structural repairs to the Golf Course Lodge which include the upstairs deck and stairways.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301801</b>							<b>Account # 311-30-41-9110-57203</b>
<b>Project Cost Estimate:</b>	770	299,230	299,230	-	-	-	-
<b>Net Project Cost Estimates:</b>	770	299,230	299,230	-	-	-	-

**DeLaveaga Golf Course Facility Improvements**

**Project Description:**

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

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c301213</b>							<b>Account # 311-30-45-9190-57106</b>
<b>Project Cost Estimate:</b>	139,195	60,805	60,805	-	-	-	-
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	73,804	60,805	60,805	-	-	-	-
<b>Net Project Cost Estimates:</b>	65,391	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**Delaveaga Golf Course Public Restroom Improvements**

**Project Description:**

Improvements to the public restrooms at Delaveaga Golf Course Lodge.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c301513</b>	<b>Account # 311-30-41-9120-57203</b>						
<b>Project Cost Estimate:</b>	14,978	45,022	45,022	-	-	-	-
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	14,978	45,022	45,022	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**DeLaveaga Park Parking Lot Rehabilitation**

**Project Description:**

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

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c300901</b>	<b>Account # 311-30-41-9110-57309</b>						
<b>Project Cost Estimate:</b>	173,393	26,607	26,607	-	-	-	-
<b>Project Funding Estimates:</b>							
Quimby NE Quadrant	173,393	26,607	26,607	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c301506</b>	<b>Account # 311-30-41-9120-57203</b>						
<b>Project Cost Estimate:</b>	29,223	777	777	-	-	-	-
<b>Project Funding Estimates:</b>							
Parks and Rec Facilities Tax Fund	29,223	777	777	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301609	Account # 311-30-41-9120-57203						
Project Cost Estimate:	28,610	61,390	61,390	-	-	-	-
Project Funding Estimates: Quimby NW Quadrant	28,610	61,390	61,390	-	-	-	-
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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301703	Account # 311-30-43-9210-57203						
Project Cost Estimate:	381,209	206,466	206,466	-	-	-	-
Project Funding Estimates:							
Net Project Cost Estimates:	(191,466)	191,466	191,466	-	-	-	-

**Natural Bridges Gymnasium Floor Repair, Replacement**

**Project Description:**

Natural Bridges Elementary 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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
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:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**Parks & Recreation Fencing Project**

**Project Description:**

Construction of a Black Wrought Iron fence with locking pedestrian gates at Star of the Sea Park. This project also includes funds to supplement the construction of a fence at Laurel Park.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301803	Account # 311-30-41-9190-57106						
Project Cost Estimate:	-	60,000	60,000	-	-	-	-
Project Funding Estimates: Quimby SE Quadrant	-	60,000	60,000	-	-	-	-
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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301528	Account # 101-50-72-1303-52156						
Project Cost Estimate:	64,921	86,045	86,045	-	-	-	-
Project Funding Estimates:							
Net Project Cost Estimates:	14,920	86,045	86,045	-	-	-	-

**San Lorenzo Park Improvements**

**Project Description:**

Funding to make improvements as determined by the Parks and Recreation Master Plan.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301614	Account # 311-30-41-9110-57312						
Project Cost Estimate:	138,864	24,110	24,110	-	-	-	-
Project Funding Estimates: Donations-Parks and Recreation	25,000	25,000	25,000	-	-	-	-
Net Project Cost Estimates:	13,864	(890)	(890)	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Parks and Recreation (EXISTING)**

311- General Capital  
Improvement Fund

**Scott Kennedy Field Replacement**

**Project Description:**

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

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c301522	Account # 311-30-41-9120-57203						
Project Cost Estimate:	12,406	35,594	35,594	-	-	-	-
Project Funding Estimates: Quimby SW Quadrant	12,406	35,594	35,594	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	1,125,263	1,372,291	1,372,291	25,000	25,000	25,000	75,000
Total Project Funding Estimate:	1,221,784	796,440	796,440	25,000	25,000	25,000	75,000
Total Net Project Cost Estimate:	(96,521)	575,851	575,851	-	-	-	-

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	1,125,263	1,372,291	1,372,291	717,000	25,000	25,000	767,000
Total Project Funding Estimate:	1,221,784	796,440	796,440	717,000	25,000	25,000	767,000
Total Net Project Cost Estimate:	(96,521)	575,851	575,851	-	-	-	-

## Parks and Recreation Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	1,125,263	1,372,291	1,372,291	717,000	25,000	25,000	767,000
Total Project Funding Estimate:	1,221,784	796,440	796,440	717,000	25,000	25,000	767,000
Total Net Project Cost Estimate:	(96,521)	575,851	575,851	-	-	-	-



# Public Works Department Capital Investment Projects



Branciforte Plan



Branciforte Bridge During Construction



Bikers on the Completed Branciforte Bridge



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (NEW)**

221- Gas Tax Fund

**Bay - West Cliff Intersection Improvements**

**Project Description:**

The Beach/SOLA Plan, and subsequently the General Plan identified traffic circulation improvements at Bay/West Cliff to reduce congestion and improve safety. This is a Traffic Impact Fee intersection and mitigation for the General Plan buildout. Staff will evaluate a future roundabout versus a traffic signal. A roundabout will require additional rights-of-way and may impact the Dream Inn's proposed development at 190 West Cliff Drive. It is important to delineate the project limits prior to the project approval process.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401905</b>	<b>Account # 221-40-64-9320-57306</b>						
<b>Project Cost Estimate:</b>	-	-	-	75,000	300,000	-	375,000
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	-	-	-	75,000	75,000	-	150,000
State capital grants	-	-	-	-	225,000	-	225,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Delaware - Swift Intersection Improvements**

**Project Description:**

With the increased development on the west side, primarily at 2120 Delaware, it is time to evaluate improvements at the intersection based on cumulative traffic mitigation measures as identified in the General Plan and TIF Program. In FY2021, evaluate roundabout and traffic signal options for the intersection.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401904</b>	<b>Account # 221-40-62-9390-57304</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	-	100,000	100,000
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	-	-	-	-	-	100,000	100,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (NEW)**

221- Gas Tax Fund

**Downtown Intersection Improvements**

**Project Description:**

The Downtown Plan Amendments identified deficiencies at 3 intersections as a result of the cumulative traffic analysis; Pacific/Laurel, Front/Laurel and Front/Soquel. The project includes the design of the improvements in FY 2020 and construction of the improvements in FY2021. The Traffic Impact Fee program will be updated to include the 3 projects.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401903</b>	<b>Account # 221-40-64-9320-57304</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	100,000	300,000	400,000
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	-	-	-	-	100,000	200,000	300,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	100,000	100,000

**Pacific Avenue Sidewalk - Front to Second**

**Project Description:**

Project proposes to address an important missing link by constructing 200 lineal feet of sidewalk on the east side of Pacific Avenue, between Front and Second Streets, and extending the bike lane. The diagonal parking will be replaced with parallel parking and will result in the loss of about 4 spaces. Drainage will be readdressed. Grant funds have been awarded for this project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401902</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	400,000	-	400,000
<b>Project Funding Estimates:</b>							
State grants-RXTPX Funds	-	-	-	-	250,000	-	250,000
Transfer from 2016 Trnsp Measure D	-	-	-	-	150,000	-	150,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Pacific-Front Intersection Improvements**

**Project Description:**

Evaluate additional traffic control options at the intersection, including a roundabout, following occupancy of 555 Pacific project and evaluation of the pedestrian and turn lane improvements installed with the 555 Pacific project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401906</b>	<b>Account # 221-40-64-9320-57307</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	-	50,000	50,000
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	-	-	-	-	-	50,000	50,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## New Capital Projects for Gas Tax Fund (221) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	75,000	800,000	450,000	1,325,000
Total Project Funding Estimate:	-	-	-	75,000	800,000	350,000	1,225,000
Total Net Project Cost Estimate:	-	-	-	-	-	100,000	100,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

221- Gas Tax Fund

**Bay and King Streets Protected Left-Turns**

**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 pedestrians, and is fully funded by the federal HSIP grant.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401616</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	4,795	332,105	332,105	-	-	-	-
<b>Project Funding Estimates:</b>							
Fed grants - STIP	1,370	335,530	335,530	-	-	-	-
<b>Net Project Cost Estimates:</b>	3,425	(3,425)	(3,425)	-	-	-	-

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401615</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	21,855	605,845	605,845	-	-	-	-
<b>Project Funding Estimates:</b>							
Fed grants - STIP	1,233	563,696	563,696	-	-	-	-
<b>Net Project Cost Estimates:</b>	20,622	42,149	42,149	-	-	-	-

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Public Works (EXISTING)**

221- Gas Tax Fund

**Bay/High Intersection Improvements**

**Project Description:**

With General Plan buildout this intersection will operate at LOS F and will help prevent 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 initiated in FY19, with construction anticipated in FY21 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. STIP grant application for additional funding has not yet been approved.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401103</b>	<b>Account # 221-40-64-9320-57306</b>						
<b>Project Cost Estimate:</b>	61,890	648,110	648,110	-	-	1,500,000	1,500,000
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	31,890	248,110	248,110	-	-	300,000	300,000
Fed grants - STIP	-	400,000	400,000	-	-	1,200,000	1,200,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m401302</b>	<b>Account # 221-40-64-9370-57310</b>						
<b>Project Cost Estimate:</b>	1,159	200,000	200,000	-	-	-	-
<b>Project Funding Estimates:</b>							
State capital grants	-	180,000	180,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	1,159	20,000	20,000	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

221- Gas Tax Fund

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401617</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	58,761	1,345,239	1,345,239	-	-	-	-
<b>Project Funding Estimates:</b>							
State capital grants - ATP	-	1,404,000	1,404,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	58,761	(58,761)	(58,761)	-	-	-	-

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401602</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	-	390,000	390,000	-	400,000	-	400,000
<b>Net Project Cost Estimates:</b>	-	390,000	390,000	-	400,000	-	400,000

**HSIP Cycle 8 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401801</b>	<b>Account # 221-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	982,200	982,200	982,200	-	-	-	-
<b>Project Funding Estimates:</b>							
Federal Grants (HSIP)	-	982,200	982,200	-	-	-	-
<b>Net Project Cost Estimates:</b>	982,200	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

221- Gas Tax Fund

**Murray Street Bridge Seismic Retrofit**

**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.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
<b>Project # c409321</b>							<b>Account # 221-40-62-9370-57310</b>
<b>Project Cost Estimate:</b>	4,080,264	8,312,253	8,312,253	-	-	-	-
<b>Project Funding Estimates:</b>							
Federal capital grants	3,185,293	7,952,573	7,952,573	-	-	-	-
<b>Net Project Cost Estimates:</b>	672,207	359,680	359,680	-	-	-	-

**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 is complete and the SW corner construction adding the right-turn, larger pedestrian refuge island and green bike lane is complete. Construction of the NW corner to add the second left turn, large pedestrian refuge island and green lane will done be in FY18 or FY19, contingent of PG&E relocation of a major electrical splice box.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
<b>Project # c401410</b>							<b>Account # 221-40-64-9320-57304</b>
<b>Project Cost Estimate:</b>	121,318	500,000	500,000	-	-	-	-
<b>Project Funding Estimates:</b>							
Traffic Impact - Citywide	-	500,000	500,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	101,318	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

221- Gas Tax Fund

**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 Leibrandt one-way inbound and removing the stop controls. This project schedule is included in the Riverside Ave Utility undergrounding project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
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	-	-	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c401003	Account # 221-40-64-9311-57304						
Project Cost Estimate:	16,178	321,822	321,822	-	-	-	-
Project Funding Estimates:							
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, 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
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



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

221- Gas Tax Fund

**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 FY2019 but is contingent on row acquisition and state approvals. STIP grants of \$2,853,000 were awarded for construction through 2017.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c400805</b>	<b>Account # 221-40-64-9330-57304</b>						
<b>Project Cost Estimate:</b>	611,649	11,159,453	8,546,000	-	-	-	-
<b>Project Funding Estimates:</b>							
RDA Successor Agency	5,108	500,000	500,000	-	-	-	-
Traffic Impact - Citywide	2,303,413	3,963,413	3,963,413	1,000,000	-	-	1,000,000
Federal capital grants	-	2,329,000	2,329,000	524,000	-	-	524,000
<b>Net Project Cost Estimates:</b>	(1,696,872)	2,367,040	1,753,587	(1,524,000)	-	-	(1,524,000)

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401813</b>	<b>Account # 221-40-64-9320-57307</b>						
<b>Project Cost Estimate:</b>	-	45,000	45,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	45,000	45,000	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**221- Gas Tax Fund**

**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 FY2019 following the storm damage repair near Chico Ave.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m400819</b>	<b>Account # 221-40-64-9330-57304</b>						
<b>Project Cost Estimate:</b>	367,512	40,000	40,000	60,000	-	-	60,000
<b>Project Funding Estimates:</b>							
<b>Net Project Cost Estimates:</b>	25,634	40,000	40,000	60,000	-	-	60,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

## Existing Capital Projects for Gas Tax Fund (221) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	6,402,877	26,406,731	23,793,278	60,000	400,000	17,000,000	17,460,000
<b>Total Project Funding Estimate:</b>	6,194,819	22,221,226	20,221,226	1,524,000	-	15,500,000	17,024,000
<b>Total Net Project Cost Estimate:</b>	208,058	4,185,505	3,572,052	(1,464,000)	400,000	1,500,000	436,000

## Public Works Totals for Gas Tax Fund (221)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	6,402,877	26,406,731	23,793,278	135,000	1,200,000	17,450,000	18,785,000
<b>Total Project Funding Estimate:</b>	6,194,819	22,221,226	20,221,226	1,599,000	800,000	15,850,000	18,249,000
<b>Total Net Project Cost Estimate:</b>	208,058	4,185,505	3,572,052	(1,464,000)	400,000	1,600,000	536,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

235- Clean Rivers &  
Beaches Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401614</b>	<b>Account # 235-40-60-9235-57311</b>						
<b>Project Cost Estimate:</b>	56,116	93,884	93,884	10,000	-	-	10,000
<b>Project Funding Estimates:</b>							
Wastewater Fund	39,011	989	989	-	-	-	-
From General Fund	17,105	7,895	7,895	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	85,000	85,000	10,000	-	-	10,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401701</b>	<b>Account # 235-40-60-9235-57311</b>						
<b>Project Cost Estimate:</b>	-	100,000	100,000	40,000	-	-	40,000
<b>Net Project Cost Estimates:</b>	-	100,000	100,000	40,000	-	-	40,000

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	56,116	193,884	193,884	50,000	-	-	50,000
<b>Total Project Funding Estimate:</b>	56,116	8,884	8,884	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	-	185,000	185,000	50,000	-	-	50,000

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	56,116	193,884	193,884	50,000	-	-	50,000
<b>Total Project Funding Estimate:</b>	56,116	8,884	8,884	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	-	185,000	185,000	50,000	-	-	50,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (NEW)**

311- General Capital  
Improvement Fund

**Electric Vehicle Charging Station Expansion in Public City Parking Lots**

**Project Description:**

This project consists of development, design and installation of a minimum of 5 networked level 2 electric vehicle charging stations, 2 networked DC fast chargers and all associated infrastructure upgrades required at downtown parking lot locations to be determined during development. As recommended by the recently completed Public Electric Vehicle Charging Needs and Use study and Electric Vehicles owner surveys, the project will provide an appropriate level of charging infrastructure for the anticipated increase in electric vehicles within and visiting Santa Cruz. This project funding is currently unknown but will likely be funded through a Monterey Bay Air Resources District grant at approximately 80%.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c101904</b>							<b>Account # 311-10-00-9410-57290</b>
<b>Project Cost Estimate:</b>	-	-	-	-	200,000	-	200,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	200,000	-	200,000

**Ladera Drive Storm Drain Improvement**

**Project Description:**

The existing Ladera Drive storm drain currently is an 18 inch pipe that transports rain water from over 30 acres of residential area. The pipe runs from Ladera Drive to Mission Street. The undersized pipe runs from Ladera Drive to Mission Street and is located under two homes, because of its location and size during moderate storm events, Ladera Drive may flood. The proposed project would consist of constructing approximately 1,200 feet of 30 inch pipeline along Ladera Drive, King Street and a City alley thereby avoiding any private property. The project would be constructed with the Ladera Sanitary Sewer Project. Due to the flood waters infiltrating into the sanitary sewer and negatively effecting that system, wastewater funds will fund a portion of the project. (Priority level 1 unfunded FY19 project - This project is now funded and requires an additional \$350,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401901</b>							<b>Account # 311-40-64-9340-57311</b>
<b>Project Cost Estimate:</b>	-	-	-	550,000	-	-	550,000
<b>Project Funding Estimates:</b>							
Wastewater Fund	-	-	-	200,000	-	-	200,000
From General Fund	-	-	-	350,000	-	-	350,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (NEW)**

311- General Capital  
Improvement Fund

**Solar PV Expansion at Corp Yard**

**Project Description:**

This project consists of designing and installing a 166 kW solar photovoltaic system at the Corporation Yard. This project expands the existing 45 kW solar PV system at the same location and the recent roofing improvement project was designed to accommodate the expansion. The project also includes third party design review , project management, and inspection services. Also included is the cost for a transformer upgrade, which is necessary not only for this project but also to handle the projected increase in electricity load at the Corporation Yard. This project's interconnection agreement application was submitted in December 2017 to grandfather the project with the most valuable electricity rate possible (which was discontinued in 2017). This project will be paid back through annual utility bill savings in 10 years.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c101901</b>							<b>Account # 311-10-00-9410-57290</b>
<b>Project Cost Estimate:</b>	-	-	-	-	730,000	-	730,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	730,000	-	730,000

**Solar PV Installation at DeLaveaga Park**

**Project Description:**

This project consists of designing and installing a 195 kW solar photovoltaic system on a new parking lot canopy structure. The project also includes third party design review, project management, and inspection services. This project's interconnection agreement application was submitted in December 2017 to grandfather the project with the most valuable electricity rate possible (which was discontinued in 2017). This project will be paid back through annual utility bill savings in 10 years.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c101903</b>							<b>Account # 311-10-00-9410-57290</b>
<b>Project Cost Estimate:</b>	-	-	-	-	898,800	-	898,800
<b>Net Project Cost Estimates:</b>	-	-	-	-	898,800	-	898,800

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	550,000	1,828,800	-	2,378,800
Total Project Funding Estimate:	-	-	-	550,000	-	-	550,000
Total Net Project Cost Estimate:	-	-	-	-	1,828,800	-	1,828,800



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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 eroded in a past storms. Ongoing erosion will impact the road and the trail and staff has determined a repair is needed soon. Storm damage funding is not available and costs have escalated. (Priority level 2 unfunded project - If funded in FY19, this project would require \$200,000 from the General Fund).

		Fiscal Year 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals					
Project # c401507								
Project Cost Estimate:	7,759	217,241	217,241	2	-	-	-	-
Net Project Cost Estimates:	7,759	217,241	217,241	2	-	-	-	-

**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 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals					
Project #	Account #							
c401610	311-40-64-9330-57307							
Project Cost Estimate:	73,826	75,000	75,000	75,000	75,000	75,000	225,000	
Project Funding Estimates:								
Gas Tax Fund	-	75,000	75,000	75,000	75,000	75,000	225,000	
Net Project Cost Estimates:	73,826	-	-	-	-	-	-	

**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. (Priority level 2 unfunded project - If funded in FY19, this project would require \$250,000 from the General Fund).

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401505	Account # 311-40-64-9340-57311						
Project Cost Estimate:	-	-	-	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401709</b>	<b>Account # 311-40-64-9340-57311</b>						
<b>Project Cost Estimate:</b>	43,827	50,000	50,000	100,000	50,000	50,000	200,000
<b>Project Funding Estimates:</b>							
Gas Tax Fund	-	50,000	50,000	100,000	50,000	50,000	200,000
<b>Net Project Cost Estimates:</b>	43,827	-	-	-	-	-	-

**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 may prevent flooding of streets, sidewalks and private property. This builds on the Phase I project downstream that was completed in FY 2017.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401802</b>	<b>Account # 311-40-64-9340-57311</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	-	500,000	500,000
<b>Project Funding Estimates:</b>							
None	-	-	-	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	500,000	500,000

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401418</b>	<b>Account # 311-40-61-9320-57305</b>						
<b>Project Cost Estimate:</b>	250,521	117,816	117,816	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	223,426	223,426	-	-	-	-
<b>Net Project Cost Estimates:</b>	100,521	(105,610)	(105,610)	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401806</b>	<b>Account # 311-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	-	520,000	520,000
<b>Project Funding Estimates:</b>							
Transfer from 2016 Trnsp Measure D	-	-	-	-	-	100,000	100,000
Federal capital grants	-	-	-	-	-	400,000	400,000
Capital contributions-developers	-	-	-	-	-	20,000	20,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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. 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. Future Measure D funding is allocated to matching grants for construction. A grant application for construction has not been submitted.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401804</b>	<b>Account # 311-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	-	-	-	4,669,000	-	28,000,000	32,669,000
<b>Project Funding Estimates:</b>							
Measure D - SCCRTC	-	-	-	-	-	2,000,000	2,000,000
Transfer from 2016 Trnsp Measure D	-	-	-	-	-	1,000,000	1,000,000
Federal capital grants	-	-	-	3,169,000	-	25,000,000	28,169,000
Local capital grant-SC County Land Trust	-	-	-	1,500,000	-	-	1,500,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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 have been awarded by SCCRTC, Measure D funds allocated and some private contributions have been received.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401413</b>	<b>Account # 311-40-64-9330-57307</b>						
<b>Project Cost Estimate:</b>	808,922	6,920,231	6,920,231	-	-	-	-
<b>Project Funding Estimates:</b>							
Contributions - businesses	42,135	150,000	150,000	-	-	-	-
Measure D - SCCRTC	-	1,100,000	1,100,000	-	-	-	-
State grant-Coastal Conservancy	-	159,598	159,598	-	-	-	-
Gas Tax Fund	-	1,000,000	1,000,000	-	-	-	-
State capital grants-STIP	303,406	4,756,594	4,756,594	-	-	-	-
<b>Net Project Cost Estimates:</b>	405,961	(245,961)	(245,961)	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401004</b>	<b>Account # 311-40-64-9360-57390</b>						
<b>Project Cost Estimate:</b>	96,506	60,000	60,000	-	1,150,000	-	1,150,000
<b>Project Funding Estimates:</b>							
Contributions - PG&E	-	-	-	-	1,000,000	-	1,000,000
Gas Tax Fund	-	-	-	-	150,000	-	150,000
<b>Net Project Cost Estimates:</b>	96,506	60,000	60,000	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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 to reduce impacts of flooding on private property. Work may be subject to a Fish and Wildlife streambed alteration and RWQCB permits.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401306</b>	<b>Account # 311-40-64-9340-57311</b>						
<b>Project Cost Estimate:</b>	7,000	96,000	96,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	7,000	96,000	96,000	-	-	-	-

**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 FY2018 and construction in 2019.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401208</b>	<b>Account # 311-40-64-9360-57390</b>						
<b>Project Cost Estimate:</b>	419,097	4,895,903	4,198,439	-	-	-	-
<b>Project Funding Estimates:</b>							
Other agency contributions	-	1,650,000	902,976	-	-	-	-
Property Owner Contributions	-	1,300,000	1,200,373	-	-	-	-
From ED Trust Fund	238,940	453,974	453,974	-	-	-	-
Water Fund	-	-	-	501,613	-	-	501,613
Gas Tax Fund	-	-	-	639,503	-	-	639,503
From CIP-Street Maint and Rehab Fund	-	-	-	500,000	-	-	500,000
<b>Net Project Cost Estimates:</b>	(198,690)	1,491,929	1,641,116	(1,641,116)	-	-	(1,641,116)

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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. (Priority level 2 unfunded project - If funded in FY19, this project would require \$170,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c401803	Account # 311-40-64-9340-57311						
Project Cost Estimate:	-	-	-	-	-	-	-
Project Funding Estimates: None	-	-	-	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Shaffer Road Railroad Crossing and Route 1 Traffic Signal Improvements**

**Project Description:**

Development of a benefit 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 and improve emergency access. Requires CPUC and Caltrans approval. Costs of assessment district development to be reimbursed if district approved.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c401403	Account # 311-40-62-9320-57306						
Project Cost Estimate:	-	-	-	-	250,000	-	250,000
Project Funding Estimates: Gas Tax Fund	-	-	-	-	250,000	-	250,000
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**SLR Parkway Phase III/Trestle Trail**

**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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401807		Account # 311-40-64-9330-57307					
Project Cost Estimate:	-	1,550,000	1,550,000	-	-	-	-
Project Funding Estimates:							
Measure D - SCCRTC	-	500,000	500,000	-	-	-	-
Transfer from 2016 Trnsp Measure D	-	500,000	500,000	-	-	-	-
State natural resources agency	-	550,000	550,000	-	-	-	-
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 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals					
Project #	Account #							
c401805	311-40-64-9330-57307							
Project Cost Estimate:	-	-	-	-	-	1,300,000	1,300,000	
Project Funding Estimates:								
Transfer from 2016 Trnsp Measure D	-	-	-	-	-	200,000	200,000	
Federal capital grants	-	-	-	-	-	1,100,000	1,100,000	
Net Project Cost Estimates:	-	-	-	-	-	-	-	

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**Trevethan Storm Drain Project - Phase 1**

**Project Description:**

This area has experienced annual flooding episodes and sand bags are typically deployed in the winter to keep water out of private structures. Currently the street surface drains south to catch basins at Trevethan and Soquel. The project proposes to install 450 lineal feet of 24 inch diameter storm drain and 3 catch basins on Trevethan, from East gate to Soquel Ave. Due to this area experiencing storm water infiltration into the sanitary sewer, wastewater funds will fund a portion of the project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401307</b>	<b>Account # 311-40-64-9340-57311</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	200,000	-	200,000
<b>Project Funding Estimates:</b>							
Wastewater Fund	-	-	-	-	50,000	-	50,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	150,000	-	150,000

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401008</b>	<b>Account # 311-40-64-9390-57304</b>						
<b>Project Cost Estimate:</b>	-	250,000	250,000	-	-	-	-
<b>Project Funding Estimates:</b>							
Other local revenues	-	150,000	150,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401009</b>	<b>Account # 311-40-64-9390-57304</b>						
<b>Project Cost Estimate:</b>	14,306	85,694	85,694	-	-	-	-
<b>Project Funding Estimates:</b>							
Other local revenues	-	50,000	50,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	14,306	35,694	35,694	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

311- General Capital  
Improvement Fund

**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 was used to repair two locations near Woodrow and a sink hole at a retaining wall near Woodrow. Priority is to protect the base of the retaining wall near Woodrow. Other areas to be identified and may be subject to additional Coastal permit requirements. (Priority level 1 unfunded FY19 project - This project is now funded and requires \$250,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401501</b>	<b>Account # 311-40-62-9330-57307</b>						
<b>Project Cost Estimate:</b>	427,007	1,993	1,993	250,000	250,000	250,000	750,000
<b>Project Funding Estimates:</b>				1			
From General Fund	-	-	-	250,000	-	-	250,000
<b>Net Project Cost Estimates:</b>	352,007	1,993	1,993	-	250,000	250,000	500,000

**West Cliff Stair Repair at Indicators**

**Project Description:**

The repair of two stairways along West Cliff Drive. Construction is contingent on favorable tide and weather conditions. Improvements include handrails, replacement of degraded concrete treads and construction of new landings.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m401402</b>	<b>Account # 311-40-62-9320-57306</b>						
<b>Project Cost Estimate:</b>	134,343	100,000	100,000	-	-	-	-
<b>Project Funding Estimates:</b>							
Liability Insurance Fund	-	100,000	100,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	134,343	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	2,401,802	14,419,878	13,722,414	5,094,000	1,975,000	30,695,000	37,764,000
<b>Total Project Funding Estimate:</b>	1,364,436	12,768,592	11,921,941	6,735,116	1,575,000	29,945,000	38,255,116
<b>Total Net Project Cost Estimate:</b>	1,037,366	1,651,286	1,800,473	(1,641,116)	400,000	750,000	(491,116)

**Public Works Totals for General Capital Improvement Fund (311)**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	2,401,802	14,419,878	13,722,414	5,644,000	3,803,800	30,695,000	40,142,800
<b>Total Project Funding Estimate:</b>	1,364,436	12,768,592	11,921,941	7,285,116	1,575,000	29,945,000	38,805,116
<b>Total Net Project Cost Estimate:</b>	1,037,366	1,651,286	1,800,473	(1,641,116)	2,228,800	750,000	1,337,684

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

316- CIP - Santa Cruz  
Library

**Branciforte Measure S Facility Remodel**

**Project Description:**

Measure S facility remodel project.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c351801							Account # 316-35-00-0000-57203
Project Cost Estimate:	-	1,450,000	1,450,000	-	-	-	-
Project Funding Estimates: Libraries parcel tax	-	1,450,000	1,450,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Downtown Branch Measure S**

**Project Description:**

Measure S facility remodel project.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c351803							Account # 316-35-00-0000-57203
Project Cost Estimate:	-	100,000	100,000	-	-	-	-
Project Funding Estimates: Libraries parcel tax	-	100,000	100,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

**Garfield Park Measure S Facility Remodel**

**Project Description:**

Measure S facility remodel project.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c351802							Account # 316-35-00-0000-57203
Project Cost Estimate:	-	450,000	450,000	-	-	-	-
Project Funding Estimates: Libraries parcel tax	-	450,000	450,000	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## Existing Capital Projects for CIP - Santa Cruz Library Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
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 of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**317- Arterial Streets and Roads Fund**

**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 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. Approximately 25% of the City's Measure D annual allocation is applied to this project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c400809</b>	<b>Account # 317-40-64-9311-57304</b>						
<b>Project Cost Estimate:</b>	8,954,479	14,341,146	14,341,146	2,275,000	1,800,000	1,800,000	5,875,000
<b>Project Funding Estimates:</b>							
Gas Tax Fund	3,686,625	500,000	500,000	500,000	500,000	500,000	1,500,000
State capital grants	925,701	1,500,000	1,500,000	-	-	-	-
State grants-RXTPX Funds	675,000	500,000	500,000	775,000	500,000	500,000	1,775,000
Transfer from 2016 Trnsp Measure D	-	250,000	250,000	500,000	300,000	300,000	1,100,000
<b>Net Project Cost Estimates:</b>	(669,921)	11,591,146	11,591,146	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. 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c400810</b>	<b>Account # 317-40-64-9311-57304</b>						
<b>Project Cost Estimate:</b>	6,991,772	2,046,596	2,046,596	938,500	844,500	953,500	2,736,500
<b>Project Funding Estimates:</b>							
Transfer from 2016 Trnsp Measure D	-	250,000	250,000	500,000	300,000	300,000	1,100,000
<b>Net Project Cost Estimates:</b>	5,472,318	1,796,596	1,796,596	438,500	544,500	653,500	1,636,500



City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	15,946,251	16,387,742	16,387,742	3,213,500	2,644,500	2,753,500	8,611,500
<b>Total Project Funding Estimate:</b>	11,143,854	3,000,000	3,000,000	2,275,000	1,600,000	1,600,000	5,475,000
<b>Total Net Project Cost Estimate:</b>	4,802,397	13,387,742	13,387,742	938,500	1,044,500	1,153,500	3,136,500

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	15,946,251	16,387,742	16,387,742	3,213,500	2,644,500	2,753,500	8,611,500
<b>Total Project Funding Estimate:</b>	11,143,854	3,000,000	3,000,000	2,275,000	1,600,000	1,600,000	5,475,000
<b>Total Net Project Cost Estimate:</b>	4,802,397	13,387,742	13,387,742	938,500	1,044,500	1,153,500	3,136,500

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (NEW)**

**721- Wastewater  
Enterprise Fund**

**Monterey St and Lighthouse Ave Sewer**

**Project Description:**

Sanitary sewer service for the residential block bordered by Santa Cruz St, Monterey St, Lighthouse Ave and West Cliff Dr is located in the backyards of these properties. The 6 inch diameter clay pipe network is difficult and in some cases impossible to access for due to fences, overgrown vegetation and distance from the street. The proposed new sewer includes 700 feet of 8 inch diameter plastic pipe and new manholes.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
<b>Project # c401907</b>							<b>Account # 721-40-62-7259-57301</b>
<b>Project Cost Estimate:</b>	-	-	-	600,000	-	-	600,000
<b>Project Funding Estimates:</b>							
Local capital grants	-	-	-	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	600,000	-	-	600,000

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## New Capital Projects for Wastewater Enterprise Fund (721) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	600,000	-	-	600,000
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	600,000	-	-	600,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401808							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	50,000	50,000	300,000	-	-	300,000
Net Project Cost Estimates:	-	50,000	50,000	300,000	-	-	300,000

**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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # m401403							Account # 721-40-62-7259-57301
Project Cost Estimate:	-	300,000	300,000	-	-	-	-
Net Project Cost Estimates:	-	300,000	300,000	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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. This project is being coordinated with Parks and Recreation. 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c409669</b>	<b>Account # 721-40-62-7259-57312</b>						
<b>Project Cost Estimate:</b>	110,594	114,242	114,242	-	-	-	-
<b>Project Funding Estimates:</b>							
Local capital grants	55,431	50,399	50,399	-	-	-	-
<b>Net Project Cost Estimates:</b>	55,163	63,843	63,843	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401305</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	4,200	395,800	395,800	200,000	-	-	200,000
<b>Net Project Cost Estimates:</b>	4,200	395,800	395,800	200,000	-	-	200,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401809</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	250,000	250,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	250,000	250,000	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m409668</b>	<b>Account # 721-40-62-7259-57312</b>						
<b>Project Cost Estimate:</b>	2,019,159	634,501	634,501	250,000	250,000	250,000	750,000
<b>Project Funding Estimates:</b>							
Local capital grants	876,162	298,149	298,149	117,647	117,647	117,647	352,941
<b>Net Project Cost Estimates:</b>	1,142,997	336,352	336,352	132,353	132,353	132,353	397,059

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m401601</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	200,000	200,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401315</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	717,978	307,022	307,022	-	-	-	-
<b>Net Project Cost Estimates:</b>	717,978	307,022	307,022	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401511</b>	<b>Account # 721-40-62-7251-57304</b>						
<b>Project Cost Estimate:</b>	1,363,260	1,519,740	1,519,740	600,000	600,000	600,000	1,800,000
<b>Net Project Cost Estimates:</b>	1,363,260	1,519,740	1,519,740	600,000	600,000	600,000	1,800,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401810</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	20,000	20,000	-	200,000	-	200,000
<b>Net Project Cost Estimates:</b>	-	20,000	20,000	-	200,000	-	200,000

**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. The Phase 1 study has been implemented and Phase 2 is programmed for FY2019. County pays 8/17 of cost based on wastewater treatment capacity dedicated to County.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401706</b>	<b>Account # 721-40-62-7252-57301</b>						
<b>Project Cost Estimate:</b>	-	249,500	249,500	200,000	-	-	200,000
<b>Project Funding Estimates:</b>							
Local capital grants	-	117,412	117,412	94,118	-	-	94,118
<b>Net Project Cost Estimates:</b>	-	132,088	132,088	105,882	-	-	105,882

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m401201</b>	<b>Account # 721-40-65-7252-57301</b>						
<b>Project Cost Estimate:</b>	1,924,077	475,923	475,923	-	-	-	-
<b>Project Funding Estimates:</b>							
Local capital grants	901,683	227,751	227,751	-	-	-	-
<b>Net Project Cost Estimates:</b>	1,022,394	248,172	248,172	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m409659</b>	<b>Account # 721-40-62-7252-57301</b>						
<b>Project Cost Estimate:</b>	5,908,747	2,137,155	2,137,155	400,000	400,000	400,000	1,200,000
<b>Project Funding Estimates:</b>							
Local capital grants	2,575,426	962,020	962,020	188,235	188,235	188,235	564,705
<b>Net Project Cost Estimates:</b>	3,333,321	1,175,135	1,175,135	211,765	211,765	211,765	635,295

**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 may be initiated in FY2019 and constructed in FY 2021. County pays 8/17 of the cost based on the wastewater treatment facility capacity dedicated to County.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401608</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	250,000	250,000	-	-	1,500,000	1,500,000
<b>Project Funding Estimates:</b>							
Local capital grants	-	117,648	117,648	-	-	705,882	705,882
<b>Net Project Cost Estimates:</b>	-	132,352	132,352	-	-	794,118	794,118

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Public Works (EXISTING)**

**721- Wastewater  
Enterprise Fund**

**WWTF-Reclaim Water**

**Project Description:**

Enhance current reuse water effluent filtration system to produce Title 22 reclaim water and distribution system for offsite use at La Barranca Park and a truck-residential fill station at Bay/California. County pays 8/17 of the cost based on the system design and installation at the WWTF, based on the wastewater treatment facility capacity dedicated to County. Offsite infrastructure will be funded by the city wastewater fund.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401604</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	32,988	217,012	217,012	-	2,000,000	-	2,000,000
<b>Project Funding Estimates:</b>							
Local capital grants	117,849	-	-	-	941,177	-	941,177
<b>Net Project Cost Estimates:</b>	(84,861)	217,012	217,012	-	1,058,823	-	1,058,823

**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 FY2019. County pays 8/17 of the cost based on wastewater treatment facility capacity dedicated to County.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m401303</b>	<b>Account # 721-40-65-7252-57301</b>						
<b>Project Cost Estimate:</b>	451,167	643,833	643,833	-	-	-	-
<b>Project Funding Estimates:</b>							
Local capital grants	183,278	317,860	317,860	-	-	-	-
<b>Net Project Cost Estimates:</b>	267,889	325,973	325,973	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401606</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	1,100,000	1,100,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	1,100,000	1,100,000	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

721- Wastewater  
Enterprise Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401405</b>	<b>Account # 721-40-65-7252-57301</b>						
<b>Project Cost Estimate:</b>	-	-	-	-	1,000,000	-	1,000,000
<b>Project Funding Estimates:</b>							
Local capital grants	-	-	-	-	470,588	-	470,588
<b>Net Project Cost Estimates:</b>	-	-	-	-	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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401504</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	2,500,000	2,500,000	500,000	-	-	500,000
<b>Project Funding Estimates:</b>							
Local capital grants	-	1,178,471	1,178,471	235,294	-	-	235,294
<b>Net Project Cost Estimates:</b>	-	1,321,529	1,321,529	264,706	-	-	264,706

**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 was cleaned and upgraded in FY2018. Digesters 2 and 3 will be done in FY2020. The County pays 8/17 of the cost based on wastewater treatment facility capacity dedicated to the County.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401607</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	509,476	240,524	240,524	-	600,000	-	600,000
<b>Project Funding Estimates:</b>							
Local capital grants	239,754	113,187	113,187	-	282,353	-	282,353
<b>Net Project Cost Estimates:</b>	269,722	127,337	127,337	-	317,647	-	317,647

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**721- Wastewater  
Enterprise Fund**

**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 2019 and construction in FY 2020. County pays 8/17 of cost based on wastewater treatment facility capacity dedicated to County.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401407</b>	<b>Account # 721-40-62-7259-57301</b>						
<b>Project Cost Estimate:</b>	-	1,000,000	1,000,000	-	-	-	-
<b>Project Funding Estimates:</b>							
Local capital grants	47,059	470,588	470,588	-	-	-	-
<b>Net Project Cost Estimates:</b>	(47,059)	529,412	529,412	-	-	-	-



City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## Existing Capital Projects for Wastewater Enterprise Fund (721) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	13,041,646	12,605,252	12,605,252	2,450,000	5,050,000	3,250,000	10,750,000
<b>Total Project Funding Estimate:</b>	4,996,642	3,853,485	3,853,485	635,294	2,000,000	1,011,764	3,647,058
<b>Total Net Project Cost Estimate:</b>	8,045,004	8,751,767	8,751,767	1,814,706	3,050,000	2,238,236	7,102,942

## Public Works Totals for Wastewater Enterprise Fund (721)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	13,041,646	12,605,252	12,605,252	3,050,000	5,050,000	3,250,000	11,350,000
<b>Total Project Funding Estimate:</b>	4,996,642	3,853,485	3,853,485	635,294	2,000,000	1,011,764	3,647,058
<b>Total Net Project Cost Estimate:</b>	8,045,004	8,751,767	8,751,767	2,414,706	3,050,000	2,238,236	7,702,942

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Public Works (NEW)**

**731- Refuse Enterprise Fund**

**Gas Probe Remediation**

**Project Description:**

Install 4 methane gas monitoring and relief wells to remediate methane exceedance readings at monitoring well W19G-MR in accordance with state requirements.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401908</b>	<b>Account # 731-40-62-7259-57308</b>						
<b>Project Cost Estimate:</b>	-	-	-	75,000	-	-	75,000
<b>Net Project Cost Estimates:</b>	-	-	-	75,000	-	-	75,000

**Landfill Master Plan Development**

**Project Description:**

Planning, development, design and construction of a master excavation plan for the landfill, next new Cell 3B, partial final closure, west canyon final slope repair and desilting basin. Planning and development is proposed in FY19. The final design, and plans and specifications with other related documents is proposed in FY20. The construction of new Cell 3B and partial final closure is proposed in FY21.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401909</b>	<b>Account # 731-40-62-7259-57308</b>						
<b>Project Cost Estimate:</b>	-	-	-	280,000	450,000	2,500,000	3,230,000
<b>Net Project Cost Estimates:</b>	-	-	-	280,000	450,000	2,500,000	3,230,000

**Solar PV Installation at the Landfill**

**Project Description:**

This project consists of designing and installing a 205kW solar photovoltaic system on the roof of the Landfill's Sorting Facility. The project also includes third party design review, project management, and inspection services. This project's interconnection agreement application was submitted in December 2017 to grandfather the project with the most valuable electricity rate possible (which was discontinued in 2017). This project will be paid back through annual utility bill savings in 10 years.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c101902</b>	<b>Account # 731-10-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	-	-	-	666,300	-	-	666,300
<b>Net Project Cost Estimates:</b>	-	-	-	666,300	-	-	666,300

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## New Capital Projects for Refuse Enterprise Fund (731) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	-	-	-	1,021,300	450,000	2,500,000	3,971,300
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	-	-	-	1,021,300	450,000	2,500,000	3,971,300

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

731- Refuse Enterprise  
Fund

**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.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c401613</b>							<b>Account # 731-40-61-7359-57203</b>
<b>Project Cost Estimate:</b>	2,637	562,363	562,363	-	-	-	-
<b>Net Project Cost Estimates:</b>	2,637	562,363	562,363	-	-	-	-

**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.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c401312</b>							<b>Account # 731-40-62-7352-57308</b>
<b>Project Cost Estimate:</b>	103,736	46,264	46,264	-	-	-	-
<b>Net Project Cost Estimates:</b>	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.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c401204</b>							<b>Account # 731-40-62-7352-57308</b>
<b>Project Cost Estimate:</b>	53,900	1,767,650	1,767,650	-	-	-	-
<b>Net Project Cost Estimates:</b>	53,900	1,767,650	1,767,650	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**731- Refuse Enterprise Fund**

**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 2018**

		<b>Fiscal Year 2018</b>		<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Total</b>
	<b>Prior Year</b>	<b>Budgeted</b>	<b>Estimated Actuals</b>	<b>Adopted</b>	<b>Estimate</b>	<b>Estimate</b>	<b>2019 - 2021</b>
<b>Project # c401811</b>							
					<b>Account # 731-40-62-7353-57308</b>		
<b>Project Cost Estimate:</b>	-	250,000	250,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	250,000	250,000	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

## Existing Capital Projects for Refuse Enterprise Fund (731) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	160,273	2,626,277	2,626,277	-	-	-	-
<b>Total Project Funding Estimate:</b>	-	-	-	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	160,273	2,626,277	2,626,277	-	-	-	-

## Public Works Totals for Refuse Enterprise Fund (731)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	160,273	2,626,277	2,626,277	1,021,300	450,000	2,500,000	3,971,300
<b>Total Project Funding Estimate:</b>	-	-	-	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	160,273	2,626,277	2,626,277	1,021,300	450,000	2,500,000	3,971,300



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

741- Parking Enterprise Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401812</b>	<b>Account # 741-40-64-7459-57307</b>						
<b>Project Cost Estimate:</b>	-	75,000	75,000	100,000	100,000	-	200,000
<b>Project Funding Estimates:</b>							
Transfer from 2016 Trnsp Measure D	-	50,000	50,000	50,000	50,000	-	100,000
<b>Net Project Cost Estimates:</b>	-	25,000	25,000	50,000	50,000	-	100,000

**Lot 7, Front/Cathcart Reconstruction**

**Project Description:**

Reconstruction of surface lot at Cathcart/Front due to poor drainage, pavement conditions, and lighting. Includes conversion of lot to a paid parking facility.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c400007</b>	<b>Account # 741-40-64-7452-57309</b>						
<b>Project Cost Estimate:</b>	141,628	488,372	488,372	-	-	-	-
<b>Project Funding Estimates:</b>							
<b>Net Project Cost Estimates:</b>	141,459	488,372	488,372	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401705</b>	<b>Account # 741-40-64-7452-57309</b>						
<b>Project Cost Estimate:</b>	-	-	-	750,000	-	-	750,000
<b>Net Project Cost Estimates:</b>	-	-	-	750,000	-	-	750,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

741- Parking Enterprise Fund

**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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401703							Account # 741-40-64-7452-57309
Project Cost Estimate:	9,523	740,477	740,477	-	-	-	-
Net Project Cost Estimates:	9,523	740,477	740,477	-	-	-	-

**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.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	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 to be complete for FY18.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401508							Account # 741-40-64-7452-57309
Project Cost Estimate:	620,416	1,729,584	1,729,584	-	-	-	-
Net Project Cost Estimates:	620,416	1,729,584	1,729,584	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**741- Parking Enterprise Fund**

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401509</b>							
							<b>Account # 741-40-64-7452-57309</b>
<b>Project Cost Estimate:</b>	-	300,000	300,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	300,000	300,000	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

## Existing Capital Projects for Parking Enterprise Fund (741) Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	771,567	4,083,433	4,083,433	850,000	100,000	-	950,000
<b>Total Project Funding Estimate:</b>	169	50,000	50,000	50,000	50,000	-	100,000
<b>Total Net Project Cost Estimate:</b>	771,398	4,033,433	4,033,433	800,000	50,000	-	850,000

## Public Works Totals for Parking Enterprise Fund (741)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	771,567	4,083,433	4,083,433	850,000	100,000	-	950,000
<b>Total Project Funding Estimate:</b>	169	50,000	50,000	50,000	50,000	-	100,000
<b>Total Net Project Cost Estimate:</b>	771,398	4,033,433	4,033,433	800,000	50,000	-	850,000

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

**751- Storm Water  
Enterprise Fund**

**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 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401313</b>							
							<b>Account # 751-40-61-7501-57311</b>
<b>Project Cost Estimate:</b>	100,122	335,000	335,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	100,122	335,000	335,000	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	100,122	335,000	335,000	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	100,122	335,000	335,000	-	-	-	-

## Public Works Totals for Storm Water Enterprise Fund (751)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	100,122	335,000	335,000	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	100,122	335,000	335,000	-	-	-	-



City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Public Works (NEW)**

752- Storm Water  
 Overlay Enterprise Fund

**San Lorenzo River Walk Lighting**

**Project Description:**

The approved project application to add additional pedestrian scale lighting to the levee system was approved by the State in the 2017 Active Transportation Program Augmentation process and includes decorative LED lighting from the Water Street Bridge to the Highway 1 Bridge on both sides of the levee. Design funds are programmed in 2020 and construction funds in 2021.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
<b>Project # c401910</b>							<b>Account # 752-40-61-7559-57305</b>
<b>Project Cost Estimate:</b>	-	-	-	-	95,000	857,000	952,000
<b>Project Funding Estimates:</b>							
State capital grants - ATP	-	-	-	-	95,000	857,000	952,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	-	-	-	-	95,000	857,000	952,000
<b>Total Project Funding Estimate:</b>	-	-	-	-	95,000	857,000	952,000
<b>Total Net Project Cost Estimate:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

752- Storm Water  
Overlay Enterprise Fund

**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.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	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.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	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.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c401207							Account # 752-40-61-7552-57311
Project Cost Estimate:	194,562	99,438	99,438	-	-	-	-
Net Project Cost Estimates:	194,562	99,438	99,438	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Public Works (EXISTING)**

752- Storm Water  
Overlay Enterprise Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c409512</b>	<b>Account # 752-40-61-7552-57311</b>						
<b>Project Cost Estimate:</b>	3,117,763	176,087	176,087	60,000	60,000	60,000	180,000
<b>Project Funding Estimates:</b>							
State capital grants	289,515	35,000	35,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	2,828,248	141,087	141,087	60,000	60,000	60,000	180,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401416</b>	<b>Account # 752-40-61-7552-57311</b>						
<b>Project Cost Estimate:</b>	445,251	84,749	84,749	-	-	-	-
<b>Project Funding Estimates:</b>							
State capital grants	378,830	121,170	121,170	-	-	-	-
<b>Net Project Cost Estimates:</b>	66,421	(36,421)	(36,421)	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	3,810,988	536,862	536,862	60,000	60,000	60,000	180,000
<b>Total Project Funding Estimate:</b>	668,345	156,170	156,170	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	3,142,643	380,692	380,692	60,000	60,000	60,000	180,000

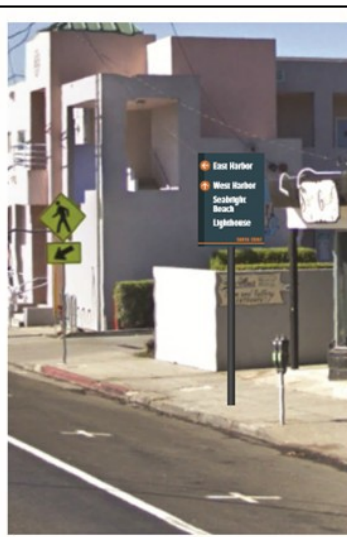
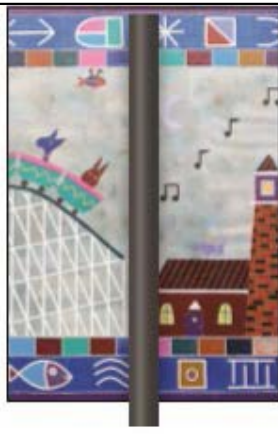
**Public Works Totals for Storm Water Overlay Enterprise Fund (752)**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	3,810,988	536,862	536,862	60,000	155,000	917,000	1,132,000
<b>Total Project Funding Estimate:</b>	668,345	156,170	156,170	-	95,000	857,000	952,000
<b>Total Net Project Cost Estimate:</b>	3,142,643	380,692	380,692	60,000	60,000	60,000	180,000

**Public Works Totals**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	42,691,643	79,595,059	76,284,142	14,023,800	13,403,300	57,565,500	84,992,600
<b>Total Project Funding Estimate:</b>	24,424,381	44,058,357	41,211,706	11,844,410	6,120,000	49,263,764	67,228,174
<b>Total Net Project Cost Estimate:</b>	18,267,262	35,536,702	35,072,436	2,179,390	7,283,300	8,301,736	17,764,426

# Economic Development Department Capital Investment Projects





City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Economic Development (NEW)**

**311- General Capital  
Improvement Fund**

**Farmers Market Structure**

**Project Description:**

Construction of Farmers Market structure on City parking lot at Cathcart-Soquel.

		Fiscal Year 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Prior Year	Budgeted	Estimated Actuals				
<b>Project # c511901</b>								
<b>Project Cost Estimate:</b>		-	-	-	1,275,000	-	-	1,275,000
<b>Project Funding Estimates:</b>								
<b>From ED Trust Fund</b>		-	-	-	1,275,000	-	-	1,275,000
<b>Net Project Cost Estimates:</b>		-	-	-	-	-	-	-

**Account # 311-51-80-9990-57390**

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	-	-	-	1,275,000	-	-	1,275,000
<b>Total Project Funding Estimate:</b>	-	-	-	1,275,000	-	-	1,275,000
<b>Total Net Project Cost Estimate:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Economic Development (EXISTING)**

311- General Capital  
Improvement Fund

**Broadband Infrastructure**

**Project Description:**

Early phase development of telecommunications infrastructure connecting City Hall campus to Wide Area Network (WAN).  
Provides gap funding for implementation of "Dig Once" opportunities.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511501</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	224,283	1,425,717	150,717	-	150,000	150,000	300,000
<b>Project Funding Estimates:</b> From ED Trust Fund	224,283	1,425,717	150,717	-	150,000	150,000	300,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # r521205</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	78,828	1,921,172	1,921,172	-	-	-	-
<b>Project Funding Estimates:</b> RDA Successor Agency	1,500,000	1,500,000	1,500,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	(1,421,172)	421,172	421,172	-	-	-	-

**Downtown Alley Improvements**

**Project Description:**

Lighting and/or wayfinding improvements in downtown alleys.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511703</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	-	50,000	50,000	-	50,000	50,000	100,000
<b>Project Funding Estimates:</b> RDA Successor Agency	-	50,000	50,000	-	50,000	50,000	100,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Economic Development (EXISTING)**

311- General Capital  
Improvement Fund

**Lower Pacific Avenue Improvements**

**Project Description:**

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

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511702</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	-	2,500,000	2,500,000	-	-	-	-
<b>Project Funding Estimates:</b>							
RDA Successor Agency	-	2,500,000	2,500,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Miramar Demolition and Wharf Piling Replacement**

**Project Description:**

Replace wharf pilings under Miramar restaurant. Settlement proceeds were originally deposited into the Wharf fund in FY18 and are now being used to contribute towards the wharf pilings.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511705</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	6,125	1,000,000	625,000	448,386	-	-	448,386
<b>Project Funding Estimates:</b>							
From ED Trust Fund	-	255,000	255,000	-	-	-	-
Contributions - businesses	-	370,000	370,000	-	-	-	-
From Municipal Wharf Fund	-	-	-	448,386	-	-	448,386
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Trolley Acquisition**

**Project Description:**

Acquisition of an additional trolley to enhance public transportation services.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511704</b>	<b>Account # 311-51-80-9990-57402</b>						
<b>Project Cost Estimate:</b>	-	110,000	110,000	-	-	-	-
<b>Project Funding Estimates:</b>							
RDA Successor Agency	-	110,000	110,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Economic Development (EXISTING)**

**311- General Capital  
Improvement Fund**

**Wharf Ticketing Booths/Gates**

**Project Description:**

Wharf rehabilitation projects as identified in the Wharf Master Plan to relocate gateway entrance and parking control stations.  
 (This is an existing project that was listed under Parks & Recreation as c301501 and is now being transferred to Economic Development with no new appropriations.)

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511502</b>	<b>Account # 311-51-80-9990-57390</b>						
<b>Project Cost Estimate:</b>	-	1,600,000	1,600,000	1,600,000	-	-	1,600,000
<b>Project Funding Estimates:</b>							
RDA Successor Agency	1,000,000	600,000	600,000	1,600,000	-	-	1,600,000
<b>Net Project Cost Estimates:</b>	(1,000,000)	1,000,000	1,000,000	-	-	-	-

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	309,236	8,606,889	6,956,889	2,048,386	200,000	200,000	2,448,386
<b>Total Project Funding Estimate:</b>	2,730,408	7,185,717	5,535,717	2,048,386	200,000	200,000	2,448,386
<b>Total Net Project Cost Estimate:</b>	(2,421,172)	1,421,172	1,421,172	-	-	-	-

**Economic Development Totals for General Capital Improvement Fund (311)**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	309,236	8,606,889	6,956,889	3,323,386	200,000	200,000	3,723,386
<b>Total Project Funding Estimate:</b>	2,730,408	7,185,717	5,535,717	3,323,386	200,000	200,000	3,723,386
<b>Total Net Project Cost Estimate:</b>	(2,421,172)	1,421,172	1,421,172	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Economic Development (EXISTING)**

281- City Low & Mod  
Housing Successor  
Agency

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # r521301</b>	<b>Account # 281-51-81-5610-57202</b>						
<b>Project Cost Estimate:</b>	-	5,800,000	5,800,000	345,000	345,000	-	690,000
<b>Project Funding Estimates:</b>							
Rents-Real Property	-	-	-	345,000	345,000	-	690,000
Econ Develop Trust Fund	-	6,000,000	6,000,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	(200,000)	(200,000)	-	-	-	-

**Tannery Landscaping**

**Project Description:**

The then-Redevelopment Agency committed to certain landscaping, as funds came available through repayment of loans the Agency made to Artspace.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c511706</b>	<b>Account # 281-51-81-5650-57106</b>						
<b>Project Cost Estimate:</b>	-	60,000	60,000	15,000	-	-	15,000
<b>Net Project Cost Estimates:</b>	-	60,000	60,000	15,000	-	-	15,000



City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

**Existing Capital Projects for City Low & Mod Housing Successor Agency (281) Totals**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	-	5,860,000	5,860,000	360,000	345,000	-	705,000
<b>Total Project Funding Estimate:</b>	-	6,000,000	6,000,000	345,000	345,000	-	690,000
<b>Total Net Project Cost Estimate:</b>	-	(140,000)	(140,000)	15,000	-	-	15,000

**Economic Development Totals for City Low & Mod Housing Successor Agency (281)**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	-	5,860,000	5,860,000	360,000	345,000	-	705,000
<b>Total Project Funding Estimate:</b>	-	6,000,000	6,000,000	345,000	345,000	-	690,000
<b>Total Net Project Cost Estimate:</b>	-	(140,000)	(140,000)	15,000	-	-	15,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

## Existing Capital Projects for RDA/SA Capital Projects Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	1,680,843	-	-	-	-	-	-
Total Project Funding Estimate:	-	-	-	-	-	-	-
Total Net Project Cost Estimate:	1,680,843	-	-	-	-	-	-

## Economic Development Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
Total Project Cost Estimate:	1,990,079	14,466,889	12,816,889	3,683,386	545,000	200,000	4,428,386
Total Project Funding Estimate:	2,730,408	13,185,717	11,535,717	3,668,386	545,000	200,000	4,413,386
Total Net Project Cost Estimate:	(740,330)	1,281,172	1,281,172	15,000	-	-	15,000

# Water Department Capital Investment Projects



University Tank 5 Replacement

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**Advanced Metering infrastructure (AMI)**

**Project Description:**

Evaluate the use of AMI as replacement to the current (Automatic Meter Reading (AMR)). 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. A business case is underway; implementation to occur in future years.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c701603	Account # 711-70-91-7153-57302						
Project Cost Estimate:	5,600	44,400	44,400	-	-	50,000	50,000
Net Project Cost Estimates:	5,600	44,400	44,400	-	-	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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
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 FY2019 (Phase 2) will include pilot work. Project would potentially provide additional potable water to City and other agency customers, addressing part or all of water supply deficiencies.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c701609	Account # 711-70-91-7153-57302						
Project Cost Estimate:	184,571	2,304,929	2,304,929	420,000	-	-	420,000
Net Project Cost Estimates:	184,571	2,304,929	2,304,929	420,000	-	-	420,000
Project # c701610	Account # 715-70-91-7153-57302						
Project Cost Estimate:	79,102	816,398	816,398	180,000	-	-	180,000
Net Project Cost Estimates:	79,102	816,398	816,398	180,000	-	-	180,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**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. Final project elements include site clean-up, security, and landscaping.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c700313	Account # 711-70-91-7153-57302						
Project Cost Estimate:	19,483,869	1,146,807	1,146,807	-	-	-	-
Net Project Cost Estimates:	19,483,869	1,146,807	1,146,807	-	-	-	-

**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, pump test, CEQA and construction efforts. Scheduled for completion in April 2018.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c700026	Account # 711-70-91-7153-57302						
Project Cost Estimate:	64,243	445,000	445,000	-	-	-	-
Net Project Cost Estimates:	64,243	445,000	445,000	-	-	-	-

**Brackney Landslide Risk Reduction**

**Project Description:**

Mitigation project to reduce the risk of a landslide on Brackney Rd in order to protect the Newell Creek Pipeline that is our pipeline bringing raw water from the Loch Lomond Reservoir to the Graham Hill Water Treatment Plant.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project #	Account #						
c701803	711-70-91-7153-57302						
Project Cost Estimate:	-	70,100	70,100	-	-	-	-
Net Project Cost Estimates:	-	70,100	70,100	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**Coast Pump Stat. & Tail Well Flood Reduction**

**Project Description:**

Mitigation projects to reduce the risk of damage to the Coast Pump Station and Tait Wells No. 4 when the San Lorenzo River floods.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c701804							
Project Cost Estimate:		-	67,300	67,300	-	-	-
Net Project Cost Estimates:		-	67,300	67,300	-	-	-

**Coast Pump Station Line Repairs**

**Project Description:**

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

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project #	Account #						
c701707	711-70-91-7151-57302						
Project Cost Estimate:	-	550,000	550,000	145,120	-	-	145,120
Net Project Cost Estimates:	-	550,000	550,000	145,120	-	-	145,120

**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. The bladder dam is being replaced as part of this project and the condition assessment may recommend other improvements.

		Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project #	Account #						
c701602	711-70-91-7153-57302						
Project Cost Estimate:	92,036	507,964	507,964	511,900	-	-	511,900
Net Project Cost Estimates:	92,036	507,964	507,964	511,900	-	-	511,900



**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**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.

	Prior Year	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budgeted	Estimated Actuals				
Project # c701301	Account # 711-70-91-7153-57302						
Project Cost Estimate:	73,626	311,374	311,374	-	-	-	-
Net Project Cost Estimates:	73,626	311,374	311,374	-	-	-	-

**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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c701507		Account # 711-70-97-7151-57302					
Project Cost Estimate:	661,729	613,271	613,271	325,000	325,000	325,000	975,000
Net Project Cost Estimates:	661,729	613,271	613,271	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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Prior Year	Budgeted				
Project # c709833	Account # 711-70-91-7151-57302						
Project Cost Estimate:	2,366,445	2,168,992	2,168,992	-	-	-	-
Net Project Cost Estimates:	2,366,445	2,168,992	2,168,992	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c700002</b>	<b>Account # 711-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	4,261,500	2,111,628	2,111,628	2,025,000	2,025,000	2,025,000	6,075,000
<b>Net Project Cost Estimates:</b>	4,261,500	2,111,628	2,111,628	2,025,000	2,025,000	2,025,000	6,075,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701802</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	-	250,000	250,000	320,000	-	1,000,000	1,320,000
<b>Net Project Cost Estimates:</b>	-	250,000	250,000	320,000	-	1,000,000	1,320,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701801</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	-	250,000	250,000	370,000	-	1,000,000	1,370,000
<b>Net Project Cost Estimates:</b>	-	250,000	250,000	370,000	-	1,000,000	1,370,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701606</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	966,872	4,798,872	4,798,872	1,677,000	2,350,000	9,200,000	13,227,000
<b>Net Project Cost Estimates:</b>	966,872	4,798,872	4,798,872	1,677,000	2,350,000	9,200,000	13,227,000

**Newell Creek Pipeline Rehab/Replacement**

**Project Description:**

This pipeline was constructed in the 1960s and extends from the toe of the Newell Creek Dam to 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701701</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	-	1,782,600	1,782,600	640,000	6,500,000	5,000,000	12,140,000
<b>Net Project Cost Estimates:</b>	-	1,782,600	1,782,600	640,000	6,500,000	5,000,000	12,140,000

**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 six phases over the next 15 to 20 years to evaluate, rehabilitate, and replace portions of the existing infrastructure to ensure continued reliability. Phase 4 is budgeted to begin in FY2021.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c709835</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	12,659,246	1,766,013	1,766,013	215,000	-	1,500,000	1,715,000
<b>Net Project Cost Estimates:</b>	12,659,246	1,766,013	1,766,013	215,000	-	1,500,000	1,715,000

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701607</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	807,112	102,888	102,888	-	-	-	-
<b>Net Project Cost Estimates:</b>	807,112	102,888	102,888	-	-	-	-

**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, with the oldest being 66 years. This project will evaluate the condition of each PRS and prioritize rehabilitation or replacement over the next 2-4 years.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701703</b>	<b>Account # 711-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	41,229	328,771	328,771	60,000	60,000	-	120,000
<b>Net Project Cost Estimates:</b>	41,229	328,771	328,771	60,000	60,000	-	120,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701611</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	265,374	137,126	137,126	70,000	-	-	70,000
<b>Net Project Cost Estimates:</b>	265,374	137,126	137,126	70,000	-	-	70,000
<b>Project # c701612</b>	<b>Account # 715-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	126,120	46,380	50,072	30,000	-	-	30,000
<b>Net Project Cost Estimates:</b>	126,120	46,380	50,072	30,000	-	-	30,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**River Bank Filtration**

**Project Description:**

This project will assess the feasibility of locating new riverbank filtration wells along the San Lorenzo River near two different existing surface water diversions: Tait Street and Felton Diversion. If found feasible, locations and design parameters for installation of vertical or horizontal wells would be recommended. Construction would be scheduled and budgeted in future years.

		Fiscal Year 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals					
Project # c701806	Account # 711-70-91-7153-57302							
Project Cost Estimate:	-	100,000	100,000	100,000	-	-	100,000	
Net Project Cost Estimates:	-	100,000	100,000	100,000	-	-	100,000	

**San Lorenzo River Diversion and Tait Wells**

**Project Description:**

Conduct a condition assessment of the existing diversion and wells including consideration of sanding issues, potential dam replacement, alternative diversions such as horizontal collector wells (e.g., Ranney Collector). Project will ensure reliable and efficient diversion of water from the San Lorenzo River at Tait St. Current phase includes condition assessment of existing dam & intake and feasibility of additional wells.

		Fiscal Year 2018			FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals					
Project # c709872								
Project Cost Estimate:	1,930,345	124,670	124,670	240,000	-	-	240,000	
Net Project Cost Estimates:	1,930,345	124,670	124,670	240,000	-	-	240,000	

**Security Camera & Building Access Upgrades**

**Project Description:**

Evaluation and implementation of security camera and building access upgrades at various water department 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 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
Project # c701704	Account # 711-70-91-7151-57302						
Project Cost Estimate:	-	245,000	245,000	200,000	200,000	-	400,000
Net Project Cost Estimates:	-	245,000	245,000	200,000	200,000	-	400,000

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701608</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	181,451	668,549	668,549	350,000	-	-	350,000
<b>Net Project Cost Estimates:</b>	181,451	668,549	668,549	350,000	-	-	350,000

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701508</b>	<b>Account # 711-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	176,355	173,645	173,645	-	-	-	-
<b>Net Project Cost Estimates:</b>	176,355	173,645	173,645	-	-	-	-

**Tube Settler Replacement**

**Project Description:**

Design and replacement of tube settlers and related appurtenances.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701708</b>	<b>Account # 711-70-91-7152-57302</b>						
<b>Project Cost Estimate:</b>	47,264	2,152,736	2,152,736	1,775,200	-	-	1,775,200
<b>Net Project Cost Estimates:</b>	47,264	2,152,736	2,152,736	1,775,200	-	-	1,775,200

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

711- Water & Water  
System Development  
Enterprise Fund

**Union/Locust Building Remodel**

**Project Description:**

Remodel of Union/Locust Building to reduce Library footprint and expand Water space.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c701805	Account # 711-70-91-7159-57203						
Project Cost Estimate:	-	50,000	50,000	-	-	-	-
Net Project Cost Estimates:	-	50,000	50,000	-	-	-	-

**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. Project includes design of recoat/rehabilitation project, construction easements from UCSC, plans and specifications for recoat/rehabilitation project, and construction.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c701505	Account # 711-70-91-7153-57302						
Project Cost Estimate:	-	220,000	220,000	-	-	3,550,000	3,550,000
Net Project Cost Estimates:	-	220,000	220,000	-	-	3,550,000	3,550,000

**University Tank No. 5 Replacement**

**Project Description:**

Perform engineering analysis and condition assessment of the aging University 5 tank to ensure continued reliable service. Project is currently in design of a replacement tank, installation of a smaller maintenance tank, and replacement of 900 LF of water main.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
Project # c701506	Account # 711-70-91-7153-57302						
Project Cost Estimate:	189,608	3,838,392	3,838,392	400,000	-	-	400,000
Net Project Cost Estimates:	189,608	3,838,392	3,838,392	400,000	-	-	400,000

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

715- Water & Water  
System Development  
Enterprise Fund

**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 non-existent or inadequate mains. Funds, to the extent of the appropriation, are disbursed to customers on a first-come, first-served basis.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c700004</b>	<b>Account # 715-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	301,259	50,000	50,000	50,000	50,000	50,000	150,000
<b>Net Project Cost Estimates:</b>	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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c700003</b>	<b>Account # 711-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	1,130,709	701,083	701,083	250,000	250,000	250,000	750,000
<b>Net Project Cost Estimates:</b>	1,130,709	701,083	701,083	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. Project is on hold until condition assessment and facilities plan is completed in FY2019.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701702</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	28,007	1,071,993	1,071,993	-	-	-	-
<b>Net Project Cost Estimates:</b>	28,007	1,071,993	1,071,993	-	-	-	-



City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**Water Supply Augmentation Strategy Implementation**

**Project Description:**

This CIP replaces projects c701402 & c701403 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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701705</b>	<b>Account # 711-70-91-7153-57302</b>						
<b>Project Cost Estimate:</b>	13,166	665,186	665,186	980,000	1,670,000	7,320,000	9,970,000
<b>Net Project Cost Estimates:</b>	13,166	665,186	665,186	980,000	1,670,000	7,320,000	9,970,000

**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. This project is funded by System Development Charges (100% SDC – Fund 715).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c700017</b>	<b>Account # 715-70-91-7151-57302</b>						
<b>Project Cost Estimate:</b>	509,361	484,169	484,169	225,000	225,000	225,000	675,000
<b>Net Project Cost Estimates:</b>	509,361	484,169	484,169	225,000	225,000	225,000	675,000

**Water Treatment Plant Filter Rehabilitation and Upgrades**

**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 rehabilitate and improve the filter performance. Project will be complete in the Fall 2018.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701303</b>	<b>Account # 711-70-91-7152-57302</b>						
<b>Project Cost Estimate:</b>	5,749,366	287,934	287,934	-	-	-	-
<b>Net Project Cost Estimates:</b>	5,749,366	287,934	287,934	-	-	-	-

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Water (EXISTING)**

**711- Water & Water  
System Development  
Enterprise Fund**

**Water Treatment Upgrades**

**Project Description:**

Upgrades to the Graham Hill Water Treatment Plant (GHWTP) 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. Larger projects at the GHWTP become a new CIP project.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c700025</b>	<b>Account # 711-70-91-7152-57302</b>						
<b>Project Cost Estimate:</b>	367,999	1,194,048	1,206,238	130,000	-	-	130,000
<b>Net Project Cost Estimates:</b>	367,999	1,194,048	1,206,238	130,000	-	-	130,000

**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. This project is in design with construction anticipated to begin Spring 2019.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701501</b>	<b>Account # 711-70-91-7152-57302</b>						
<b>Project Cost Estimate:</b>	420,388	2,707,932	2,707,932	5,710,000	13,500,000	6,500,000	25,710,000
<b>Net Project Cost Estimates:</b>	420,388	2,707,932	2,707,932	5,710,000	13,500,000	6,500,000	25,710,000

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c701502</b>	<b>Account # 711-70-91-7152-57302</b>						
<b>Project Cost Estimate:</b>	-	60,000	60,000	3,160,000	-	-	3,160,000
<b>Net Project Cost Estimates:</b>	-	60,000	60,000	3,160,000	-	-	3,160,000

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220
<b>Total Project Funding Estimate:</b>	-	-	-	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220

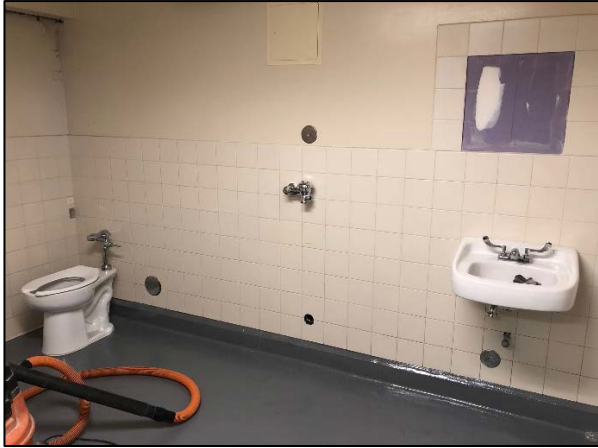
**Water Totals for Water & Water System Development Enterprise Fund (711 & 715)**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220
<b>Total Project Funding Estimate:</b>	-	-	-	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220

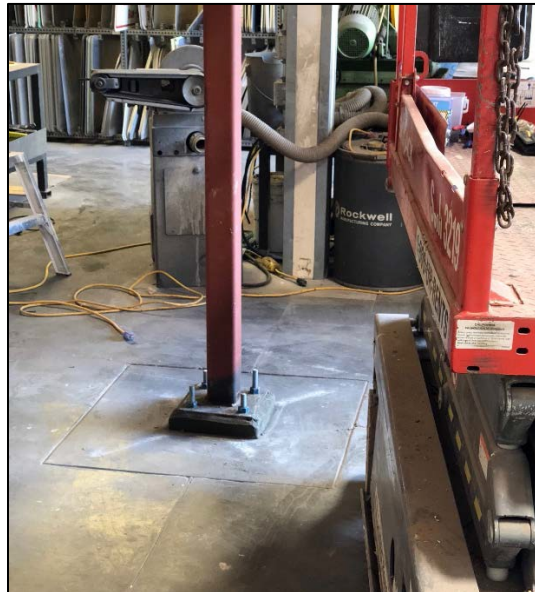
**Water Totals**

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220
<b>Total Project Funding Estimate:</b>	-	-	-	-	-	-	-
<b>Total Net Project Cost Estimate:</b>	53,183,952	35,766,150	35,782,032	20,559,220	27,155,000	37,995,000	85,709,220

# Citywide Capital Investment Projects



Corporation Yard Seismic Retrofit Project



**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Citywide (EXISTING)**

**311- General Capital  
Improvement Fund**

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601402</b>	<b>Account # 311-10-00-9990-57290</b>						
<b>Project Cost Estimate:</b>	108,676	66,324	66,324	-	-	-	-
<b>Net Project Cost Estimates:</b>	108,676	66,324	66,324	-	-	-	-

**CEC Grant - Building Energy Efficiency Advance**

**Project Description:**

The project will be to set up the installation of energy efficiency controls at City Hall Annex and PD facilities.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c401814</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	-	536,108	536,108	-	-	-	-
<b>Project Funding Estimates:</b>							
Federal Capital Grants - CEC	-	426,672	426,672	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	109,436	109,436	-	-	-	-

**City Hall Campus Emergency Generators**

**Project Description:**

The project to replace the 1980's era emergency standby generator at city hall to improve reliability, reduce noise and increase the electrical output is complete. Remaining funds transferred to Annex remodel c101701. The FY 19 allocation funds an emergency standby generator for the current Parks and Recreation building. (Priority level 3 unfunded project - If funded in FY19, this project would require \$75,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601504</b>	<b>Account # 311-40-00-9410-57490</b>						
<b>Project Cost Estimate:</b>	315,418	7,727	7,727	3	-	-	-
<b>Project Funding Estimates:</b>							
<b>Net Project Cost Estimates:</b>	220,418	7,727	7,727	-	-	-	-

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Citywide (EXISTING)**

**311- General Capital  
Improvement Fund**

**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 FY19 and the Civic lot in FY20.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601301</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	120,123	60,000	60,000	-	300,000	-	300,000
<b>Net Project Cost Estimates:</b>	120,123	60,000	60,000	-	300,000	-	300,000

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601501</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	18,377	237,624	237,624	-	-	-	-
<b>Project Funding Estimates:</b>							
<b>Water Fund</b>	17,624	63,190	63,190	-	-	-	-
<b>Parking Fund</b>	470	4,066	4,066	-	-	-	-
<b>Equipment Fund</b>	282	43,875	43,875	-	-	-	-
<b>Refuse Fund</b>	-	91,645	91,645	-	-	-	-
<b>Net Project Cost Estimates:</b>	1	34,848	34,848	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

Citywide (EXISTING)

311- General Capital  
Improvement Fund

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601701</b>	<b>Account # 311-40-00-9410-57311</b>						
<b>Project Cost Estimate:</b>	17,688	107,313	107,313	-	-	-	-
<b>Project Funding Estimates:</b>							
Water Fund	3,121	16,279	16,279	-	-	-	-
Refuse Fund	9,572	49,953	49,953	-	-	-	-
Equipment Fund	4,578	6,475	6,475	-	-	-	-
Parking Fund	416	2,184	2,184	-	-	-	-
<b>Net Project Cost Estimates:</b>	1	32,422	32,422	-	-	-	-

**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 started in FY17 and will be completed in FY18. Costs have increased due to additional structural and ADA requirements.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601101</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	998,614	1,793,386	1,793,386	-	-	-	-
<b>Project Funding Estimates:</b>							
Parking Fund	93,658	69,781	69,781	-	-	-	-
Water Fund	249,169	218,255	218,255	-	-	-	-
Equipment Fund	56,763	36,527	36,527	-	-	-	-
Refuse Fund	-	2,604	2,604	-	-	-	-
Workers Comp Fund	584,941	751,112	751,112	-	-	-	-
From General Fund	-	95,565	95,565	-	-	-	-
<b>Net Project Cost Estimates:</b>	14,083	619,542	619,542	-	-	-	-



**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Citywide (EXISTING)**

**311- General Capital  
Improvement Fund**

**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. (Priority level 1 unfunded FY19 project - This project is now funded and requires \$440,628 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601303</b>	<b>Account # 311-15-00-9910-57990</b>						
<b>Project Cost Estimate:</b>	729,386	1,363,764	1,363,764	655,100	-	-	655,100
<b>Project Funding Estimates:</b>							
From General Fund	458,079	914,759	914,759	440,628	-	-	440,628
Water Fund	111,784	191,635	191,635	81,685	-	-	81,685
Wastewater Fund	61,591	116,484	116,484	50,281	-	-	50,281
Refuse Fund	54,934	104,329	104,329	55,337	-	-	55,337
Parking Fund	27,893	49,892	49,892	17,975	-	-	17,975
Storm Water Fund	11,265	19,153	19,153	9,194	-	-	9,194
<b>Net Project Cost Estimates:</b>	1,080	(32,488)	(32,488)	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601401</b>	<b>Account # 311-10-00-9810-57390</b>						
<b>Project Cost Estimate:</b>	5,287	19,713	19,713	-	-	-	-
<b>Net Project Cost Estimates:</b>	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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c600802</b>	<b>Account # 311-15-00-9910-57901</b>						
<b>Project Cost Estimate:</b>	560,146	54,854	54,854	-	-	-	-
<b>Net Project Cost Estimates:</b>	560,146	54,854	54,854	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

Citywide (EXISTING)

311- General Capital  
Improvement Fund

**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 recieved 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. (Priority level 2 unfunded project - If funded in FY19, this project would require \$200,000 from the General Fund).

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # m609195</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	455,964	238,931	238,931	-	200,000	200,000	400,000
<b>Project Funding Estimates:</b>							
Loan proceeds	-	141,937	141,937	-	-	-	-
<b>Net Project Cost Estimates:</b>	455,964	96,994	96,994	-	200,000	200,000	400,000

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601607</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	4,000	31	31	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	4,031	4,031	-	-	-	-
<b>Net Project Cost Estimates:</b>	4,000	(4,000)	(4,000)	-	-	-	-

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601609</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	-	12,821	12,821	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	12,821	12,821	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**City of Santa Cruz**  
**Adopted Capital Investment Program Budget (by department)**  
**Fiscal Years 2019 - 2021**

**Citywide (EXISTING)**

**311- General Capital  
Improvement Fund**

**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 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601613</b>	<b>Account # 311-40-00-9410-57290</b>						
<b>Project Cost Estimate:</b>	-	4,292	4,292	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	4,292	4,292	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**Retrofit Exterior Lighting (City-Wide) - CEC**

**Project Description:**

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

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601615</b>	<b>Account # 311-40-00-9320-57305</b>						
<b>Project Cost Estimate:</b>	-	15,372	15,372	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	15,372	15,372	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c601403</b>	<b>Account # 311-40-00-9145-57106</b>						
<b>Project Cost Estimate:</b>	444,412	195,838	195,838	2,625,000	70,000	20,000	2,715,000
<b>Project Funding Estimates:</b>							
State capital grants	64,219	94,500	94,500	73,500	42,000	14,000	129,500
State capital grants - CDFW	-	-	-	2,500,000	-	-	2,500,000
Storm Water Fund	-	60,500	60,500	-	-	-	-
<b>Net Project Cost Estimates:</b>	285,193	(34,162)	40,838	51,500	28,000	6,000	85,500

City of Santa Cruz  
 Adopted Capital Investment Program Budget (by department)  
 Fiscal Years 2019 - 2021

Citywide (EXISTING)

311- General Capital  
Improvement Fund

Space Utilization Plan for City Hall

**Project Description:**

Space Utilization Design for City Hall. FY18 includes funds for remodeling the Annex and relocating Current Planning, Code Enforcement and Building to Downstairs and Future Planning and Housing upstairs. Includes ADA improvements to Downstairs restroom and parking lot.

Fiscal Year 2018							
	Prior Year	Budgeted	Estimated Actuals	FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
<b>Project # c101701</b>	<b>Account # 311-10-11-9410-57203</b>						
<b>Project Cost Estimate:</b>	4,241	1,559,115	1,559,115	-	-	-	-
<b>Project Funding Estimates:</b>							
Loan proceeds	-	607,029	607,029	-	-	-	-
Federal Capital Grants - CEC	-	97,000	97,000	-	-	-	-
City Public Trust Fund	-	378,000	378,000	-	-	-	-
<b>Net Project Cost Estimates:</b>	4,241	477,086	477,086	-	-	-	-

City of Santa Cruz  
Adopted Capital Investment Program Budget (by department)  
Fiscal Years 2019 - 2021

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

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	3,935,169	6,273,213	6,273,213	3,280,100	570,000	220,000	4,070,100
<b>Total Project Funding Estimate:</b>	2,003,119	4,764,917	4,689,917	3,228,600	42,000	14,000	3,284,600
<b>Total Net Project Cost Estimate:</b>	1,932,050	1,508,296	1,583,296	51,500	528,000	206,000	785,500

## Citywide Projects Totals for General Capital Improvement Fund (311)

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	3,935,169	6,273,213	6,273,213	3,280,100	570,000	220,000	4,070,100
<b>Total Project Funding Estimate:</b>	2,003,119	4,764,917	4,689,917	3,228,600	42,000	14,000	3,284,600
<b>Total Net Project Cost Estimate:</b>	1,932,050	1,508,296	1,583,296	51,500	528,000	206,000	785,500

## Citywide Totals

	Prior Year Totals	Fiscal Year 2018		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
		Budget	Estimated Actuals				
<b>Total Project Cost Estimate:</b>	3,935,169	6,273,213	6,273,213	3,280,100	570,000	220,000	4,070,100
<b>Total Project Funding Estimate:</b>	2,003,119	4,764,917	4,689,917	3,228,600	42,000	14,000	3,284,600
<b>Total Net Project Cost Estimate:</b>	1,932,050	1,508,296	1,583,296	51,500	528,000	206,000	785,500