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CIP - 46

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				
<b>Total Project Cost Estimate:</b>	-	-	-	75,000	800,000	450,000	1,325,000
<b>Total Project Funding Estimate:</b>	-	-	-	75,000	800,000	350,000	1,225,000
<b>Total Net Project Cost Estimate:</b>	-	-	-	-	-	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  
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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  
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**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	-	-	-	-	-	-



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**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  
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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  
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 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  
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**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  
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**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				
<b>Total Project Cost Estimate:</b>	-	-	-	550,000	1,828,800	-	2,378,800
<b>Total Project Funding Estimate:</b>	-	-	-	550,000	-	-	550,000
<b>Total Net Project Cost Estimate:</b>	-	-	-	-	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:	-	-	-	2	-	-	-	-
Net Project Cost Estimates:	-	-	-	2	-	-	-	-

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		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
<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		FY 2019 Adopted	FY 2020 Estimate	FY 2021 Estimate	Total 2019 - 2021
	Prior Year	Budgeted	Estimated Actuals				
<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				
<b>Project # c401807</b>							<b>Account # 311-40-64-9330-57307</b>
<b>Project Cost Estimate:</b>	-	1,550,000	1,550,000	-	-	-	-
<b>Project Funding Estimates:</b>							
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	-	-	-	-
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

**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				
<b>Project # c401805</b>							<b>Account # 311-40-64-9330-57307</b>
<b>Project Cost Estimate:</b>	-	-	-	-	-	1,300,000	1,300,000
<b>Project Funding Estimates:</b>							
Transfer from 2016 Trnsp Measure D	-	-	-	-	-	200,000	200,000
Federal capital grants	-	-	-	-	-	1,100,000	1,100,000
<b>Net Project Cost Estimates:</b>	-	-	-	-	-	-	-

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

**Public Works (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.

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

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

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

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