

# Public Works Department Capital Improvement Projects



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

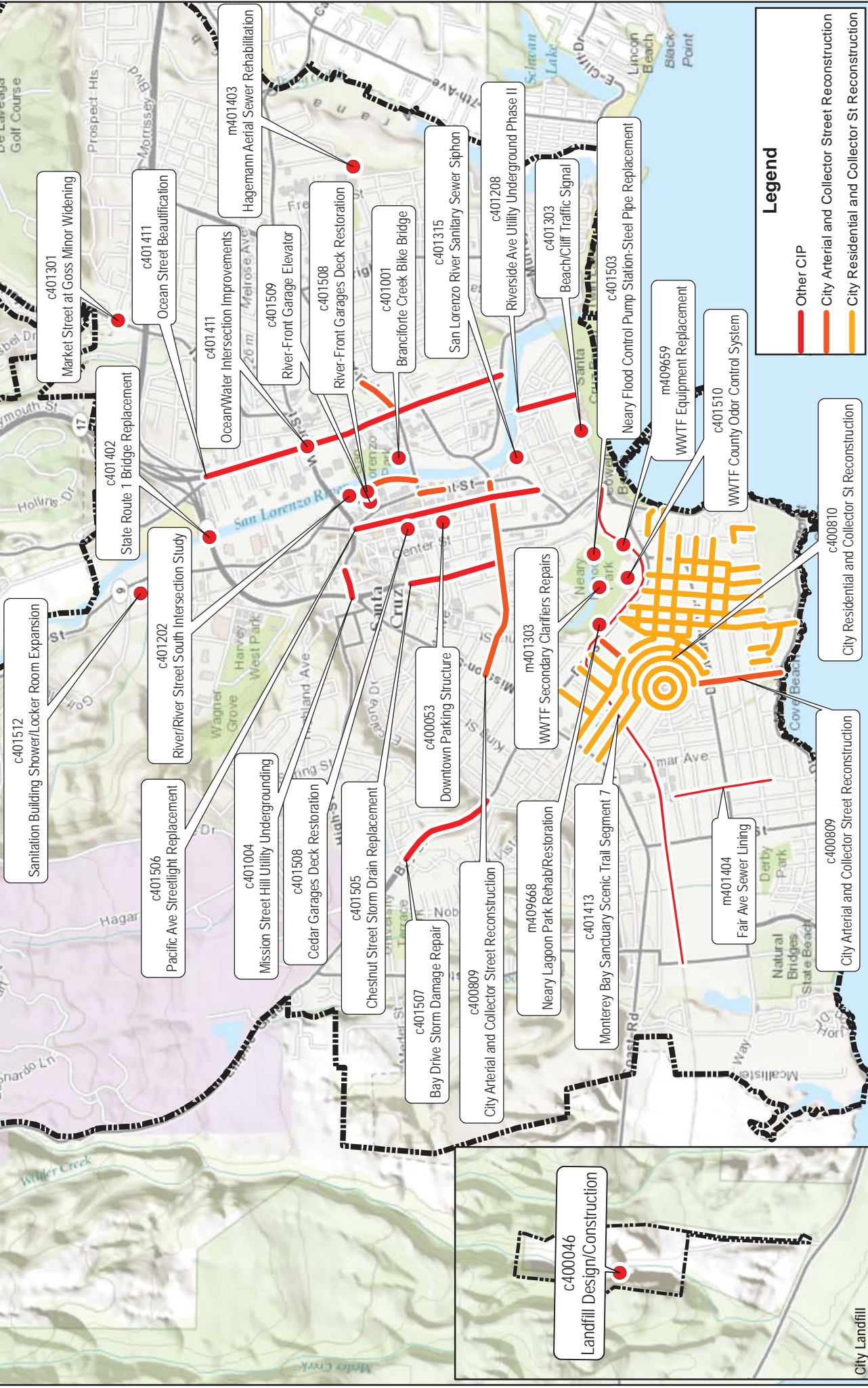


Capital Improvement Projects  
FY 2015 – FY 2017  
Public Works  
City of Santa Cruz



Unmapped Projects (City wide)

- c401013 - Citywide Streetlight LED Retrofit-Phase 4
- c401511 - Sewer System Improvements



**Legend**

- Other CIP (Red line)
- City Arterial and Collector Street Reconstruction (Orange line)
- City Residential and Collector St Reconstruction (Yellow line)

**HSIP Crossing Improvements**

**Project Description:**

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

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

**Streetlights 555 Pacific to Beach**

**Project Description:**

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

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

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

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

## Bay and King Streets Protected Left-Turns and Streetlights

## Project Description:

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

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

## Bay Street Sidewalk Completion Infill

## Project Description:

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

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

## Bay/High Intersection Improvements

## Project Description:

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

|                                    | Fiscal Year 2017                      |          |                   |                 |                  |                  |                   |
|------------------------------------|---------------------------------------|----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                    | Prior Year                            | Budgeted | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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>  |                                       |          |                   |                 |                  |                  |                   |
| <b>Traffic Impact - Citywide</b>   | 31,890                                | 248,110  | 248,110           | -               | 300,000          | -                | 300,000           |
| <b>Local grant - MBUAPCD</b>       | 30,000                                | -        | -                 | -               | -                | -                | -                 |
| <b>Fed grants - STIP</b>           | -                                     | 400,000  | 400,000           | -               | 1,200,000        | -                | 1,200,000         |
| <b>Net Project Cost Estimates:</b> | -                                     | -        | -                 | -               | -                | -                | -                 |

## Beach/Cliff Traffic Signal

## Project Description:

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

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



## Branciforte Creek Bike/Pedestrian Bridge

## Project Description:

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

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

## Bridge Maintenance

## Project Description:

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

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

## Citywide Safe Routes to School Crossing Improvements

## Project Description:

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

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

## Citywide Traffic Signal Controller Upgrade

## Project Description:

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

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

## Murray Street Bridge Seismic Retrofit and Barrier Rail

## Project Description:

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

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



## Ocean/Water Intersection Improvements

## Project Description:

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

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

## Riverside/Second Intersection Improvements

## Project Description:

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

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

## Soquel at Frederick Minor Widening

## Project Description:

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

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

## State Route 1 Bridge Replacement

## Project Description:

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

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

## State Route 1/9 Intersection Improvements

## Project Description:

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

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

West Cliff Drive Multi-use Path Pavement Rehabilitation

**Project Description:**

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

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

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

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

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

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

**Cowell Beach Water Quality Project**

**Project Description:**

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

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

**Stormwater Trash Capture Program**

**Project Description:**

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

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



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

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

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

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

## Curtis Street Storm Drain Phase II

## Project Description:

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

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

## Market Street Sidewalk and Bike Lane

## Project Description:

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

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

## MB Sanctuary Scenic Trail (Rail Trail) Segments 8 &amp; 9

## Project Description:

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

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

## Seabright Beach CMP Replacement

## Project Description:

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

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

## SLR Parkway Phase III

## Project Description:

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

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

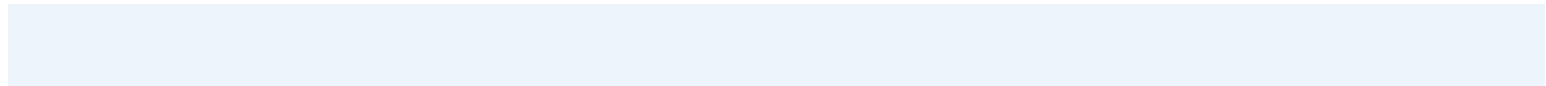
## Swanton Blvd Multi-Use Trail Connector

## Project Description:

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

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

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



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

**Bay Drive Storm Damage Repair****Project Description:**

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

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

**Catch Basin Replacement Program****Project Description:**

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

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

**Chestnut Street Storm Drain Replacement****Project Description:**

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

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



**CMP Storm Drain Pipe Replacement**

**Project Description:**

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

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

**Contra-Flow bike lane for Pacific Avenue**

**Project Description:**

Contra-Flow bike lane for Pacific Avenue

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

**Curtis Storm Drain - Phase 1**

**Project Description:**

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

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

## East Cliff Emergency Repair at Alhambra Ave

## Project Description:

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

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

## Green Lane Project

## Project Description:

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

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

## LED light replacement (City-wide) - CEC

## Project Description:

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

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

## MB Sanctuary Scenic Trail (Rail Trail) Segment 7

## Project Description:

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

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

## Mission Street Hill Utility Undergrounding

## Project Description:

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

|                                       | Fiscal Year 2017                      |          |                   |                 |                  |                  |                   |
|---------------------------------------|---------------------------------------|----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                       | Prior Year                            | Budgeted | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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>     |                                       |          |                   |                 |                  |                  |                   |
| <b>Contributions - Other Agencies</b> | -                                     | -        | -                 | -               | 1,000,000        | -                | 1,000,000         |
| <b>Gas Tax Fund</b>                   | -                                     | -        | -                 | -               | 150,000          | -                | 150,000           |
| <b>Net Project Cost Estimates:</b>    | 96,506                                | 60,000   | 60,000            | -               | -                | -                | -                 |

## Pacific Ave Sidewalk between Front &amp; Soquel

## Project Description:

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

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

## Pedestrian Crosswalk Safety Projects

## Project Description:

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

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

## Pogonip Creek Sedimentation Removal

## Project Description:

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

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

## Riverside Ave Utility Underground Phase II

## Project Description:

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

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

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

## Project Description:

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

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



## UCSC-City Transportation Improvements &amp; Studies

## Project Description:

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

|                                    | Prior Year | Fiscal Year 2017 |                      | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate | Total<br>2018 - 2020                  |
|------------------------------------|------------|------------------|----------------------|--------------------|---------------------|---------------------|---------------------------------------|
|                                    |            | Budgeted         | Estimated<br>Actuals |                    |                     |                     |                                       |
| <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>  |            |                  |                      |                    |                     |                     |                                       |
| <b>Other local revenues</b>        | -          | 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.

|                                    | Prior Year | Fiscal Year 2017 |                      | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate | Total<br>2018 - 2020                  |
|------------------------------------|------------|------------------|----------------------|--------------------|---------------------|---------------------|---------------------------------------|
|                                    |            | Budgeted         | Estimated<br>Actuals |                    |                     |                     |                                       |
| <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>  |            |                  |                      |                    |                     |                     |                                       |
| <b>Other local revenues</b>        | -          | 50,000           | 50,000               | -                  | -                   | -                   | -                                     |
| <b>Net Project Cost Estimates:</b> | 14,306     | 35,694           | 35,694               | -                  | -                   | -                   | -                                     |

## West Cliff Drive Revetment Repair

## Project Description:

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

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

West Cliff Stair Repair at Indicators

**Project Description:**

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

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

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

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

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

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

**Branciforte Measure S Facility Remodel**

**Project Description:**

Measure S facility remodel project.

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

**Garfield Park Measure S Facility Remodel**

**Project Description:**

Measure S facility remodel project.

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

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

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

## Public Works Totals for CIP - Santa Cruz Library

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

## City Arterial and Collector Street Reconstruction and Overlay

## Project Description:

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

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

City Residential and Collector Street Reconstruction and Overlay

Project Description:

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

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

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

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

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

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



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

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

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

**Laurent Street Sewer****Project Description:**

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

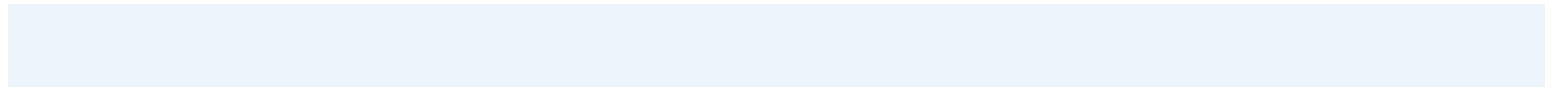
|                                    | Fiscal Year 2017                      |          |                   |                 |                  |                  |                   |
|------------------------------------|---------------------------------------|----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                    | Prior Year                            | Budgeted | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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           |

**Trevethan Avenue Sewer****Project Description:**

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

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

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



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

## Eastside Alley Sewer Project

## Project Description:

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

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

## Fairmount/Harrison Sewer Main Upgrade

## Project Description:

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

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

## Hagemann Aerial Sewer Rehabilitation

## Project Description:

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

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

## Jesse Street Marsh

## Project Description:

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

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

## Ladera Drive Sewer

## Project Description:

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

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

## Neary Lagoon Park Rehab-Maint. (Annual)

## Project Description:

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

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

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

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

|                                    | Prior Year | Fiscal Year 2017 |                      | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate | Total<br>2018 - 2020                  |
|------------------------------------|------------|------------------|----------------------|--------------------|---------------------|---------------------|---------------------------------------|
|                                    |            | Budgeted         | Estimated<br>Actuals |                    |                     |                     |                                       |
| <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.

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

**Sewer System Improvements****Project Description:**

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

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

## Wastewater Treatment Facility Infrastructure and Major Equipment Study

## Project Description:

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

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

## WWTF-Bioassay Laboratory

## Project Description:

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

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

## WWTF-Centrifuge

## Project Description:

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

|                                    | Prior Year | Fiscal Year 2017 |                      | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate | Total<br>2018 - 2020                  |
|------------------------------------|------------|------------------|----------------------|--------------------|---------------------|---------------------|---------------------------------------|
|                                    |            | Budgeted         | Estimated<br>Actuals |                    |                     |                     |                                       |
| <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>  |            |                  |                      |                    |                     |                     |                                       |
| <b>Local capital grants</b>        | 901,686    | 227,752          | 227,752              | -                  | -                   | -                   | -                                     |
| <b>Net Project Cost Estimates:</b> | 1,022,391  | 248,171          | 248,171              | -                  | -                   | -                   | -                                     |

## WWTF-Equipment Replacement

## Project Description:

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

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

## WWTF-Laboratory Modernization

## Project Description:

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

|                                    | Fiscal Year 2017                      |          |                   |                 |                  |                  |                   |
|------------------------------------|---------------------------------------|----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                    | Prior Year                            | Budgeted | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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>  |                                       |          |                   |                 |                  |                  |                   |
| <b>Local capital grants</b>        | -                                     | 117,647  | 117,647           | -               | 705,882          | -                | 705,882           |
| <b>Net Project Cost Estimates:</b> | -                                     | 132,353  | 132,353           | -               | 794,118          | -                | 794,118           |

## WWTF-Reclaim Water

## Project Description:

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

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

## WWTF-Secondary Clarifier Repairs

## Project Description:

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

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

## WWTF-Sewer Main Rehabilitation

## Project Description:

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

|                                    | Fiscal Year 2017                      |           |                   |                 |                  |                  |                   |
|------------------------------------|---------------------------------------|-----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                    | Prior Year                            | Budgeted  | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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         | -               | -                | -                | -                 |

## WWTF-Transformer Replacement

## Project Description:

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

|                                    | Fiscal Year 2017                      |          |                   |                 |                  |                  |                   |
|------------------------------------|---------------------------------------|----------|-------------------|-----------------|------------------|------------------|-------------------|
|                                    | Prior Year                            | Budgeted | Estimated Actuals | FY 2018 Adopted | FY 2019 Estimate | FY 2020 Estimate | Total 2018 - 2020 |
| <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>  |                                       |          |                   |                 |                  |                  |                   |
| <b>Local capital grants</b>        | -                                     | -        | -                 | -               | 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.

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

## WWTF-Upgrade Digester Equipment

## Project Description:

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

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

## WWTF-Water Piping Rehabilitation

## Project Description:

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

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

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

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

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

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

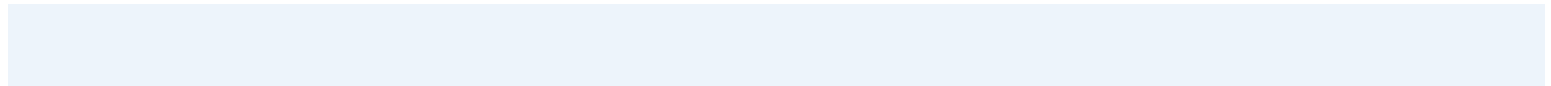
**Recycling Building and Equipment Improvement**

**Project Description:**

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

|                                    | Fiscal Year 2017                      |          |                      |                    |                     |                     | Total<br>2018 - 2020 |
|------------------------------------|---------------------------------------|----------|----------------------|--------------------|---------------------|---------------------|----------------------|
|                                    | Prior Year                            | Budgeted | Estimated<br>Actuals | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate |                      |
| <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              |

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



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

## CNG Fueling Station and Fleet Maintenance Shop Safety Improvements

## Project Description:

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

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

## Dimeo Lane Paving and Storm Drain

## Project Description:

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

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

## Food Waste Collection and Conversion

## Project Description:

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

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

**Recycling Center Dust Control**

**Project Description:**

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

**Fiscal Year 2017**

|                                       |            | Fiscal Year 2017 |                   | FY 2018 | FY 2019  | FY 2020  | Total       |
|---------------------------------------|------------|------------------|-------------------|---------|----------|----------|-------------|
|                                       | Prior Year | Budgeted         | Estimated Actuals | Adopted | Estimate | Estimate | 2018 - 2020 |
| Project # c401205                     |            |                  |                   |         |          |          |             |
| <b>Account # 731-40-62-7352-57308</b> |            |                  |                   |         |          |          |             |
| <b>Project Cost Estimate:</b>         | -          | 19,567           | 19,567            | -       | -        | -        | -           |
| <b>Net Project Cost Estimates:</b>    | -          | 19,567           | 19,567            | -       | -        | -        | -           |

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

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

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

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

**Downtown Bike Locker Replacement Program**

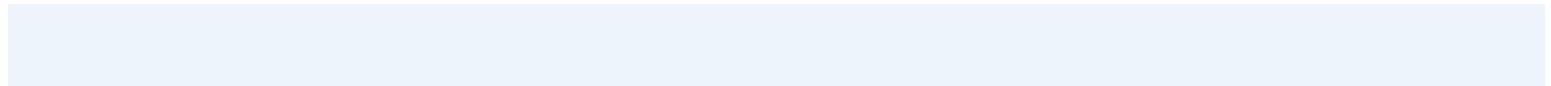
**Project Description:**

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

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



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



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

## Downtown Parking Structure Predesign

## Project Description:

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

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

## Parking Equipment Replacement- Locust Garage

## Project Description:

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

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

## Parking Equipment Replacement- River Front Garage

## Project Description:

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

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

## Parking Equipment Replacement- Soquel/Front Garage

**Project Description:**

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

|                                    | Prior Year | Fiscal Year 2017 |                      | FY 2018<br>Adopted | FY 2019<br>Estimate | FY 2020<br>Estimate | Total<br>2018 - 2020                  |
|------------------------------------|------------|------------------|----------------------|--------------------|---------------------|---------------------|---------------------------------------|
|                                    |            | Budgeted         | Estimated<br>Actuals |                    |                     |                     |                                       |
| <b>Project # c401704</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                               |

## River-Front and Cedar Garages Deck Restoration

**Project Description:**

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

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

## River-Front Garage Elevator

**Project Description:**

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

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

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

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

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

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

**Branciforte Creek Channel Repair and Maintenance**

**Project Description:**

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

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

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

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

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

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

## Downtown SLR Drainage System Assessment

## Project Description:

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

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

## San Lorenzo River Levee Storm Drain Maintenance

## Project Description:

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

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

## San Lorenzo River Pump Station #2

## Project Description:

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

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

## SLR Flood Control Environ Rest Project

**Project Description:**

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

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

## SLR Parkway Levee Improvements

**Project Description:**

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

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



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

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

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

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

## Public Works Totals

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