

CITY OF BERKELEY  
FISCAL YEARS 2020 & 2021  
PROPOSED CAPITAL  
IMPROVEMENT PROGRAM



---

# FY 2020 & 2021 PROPOSED BIENNIAL BUDGET CAPITAL IMPROVEMENT PROGRAM

---

## ELECTED OFFICIALS

### **Mayor**

Jesse Arreguin

### **Councilmembers**

Rashi Kesarwani, District 1

Cheryl Davila, District 2

Ben Bartlett, District 3

Kate Harrison, District 4

Sophie Hahn, District 5

Susan Wengraf, District 6

Rigel Robinson, District 7

Lori Droste, District 8

### **City Auditor**

Jenny Wong

---

### **City Manager**

Dee Williams-Ridley

### **Deputy City Manager**

Paul Buddenhagen

David White

---

Research and Preparation by:

### **The Office of Budget & Fiscal Management**

Teresa Berkeley-Simmons, Budget Manager

Michelle Rosete, Administrative Assistant

Danita Hardaway, Senior Management Analyst

Rama Murty, Senior Management Analyst

Department CIP Project Managers and Staff





**Jesse Arreguin**  
Mayor



**Rashi Kesarwani**  
Councilmember  
District 1



**Cheryl Davila**  
Councilmember  
District 2



**Ben Bartlett**  
Councilmember  
District 3



**Rigel Robinson**  
Councilmember  
District 7



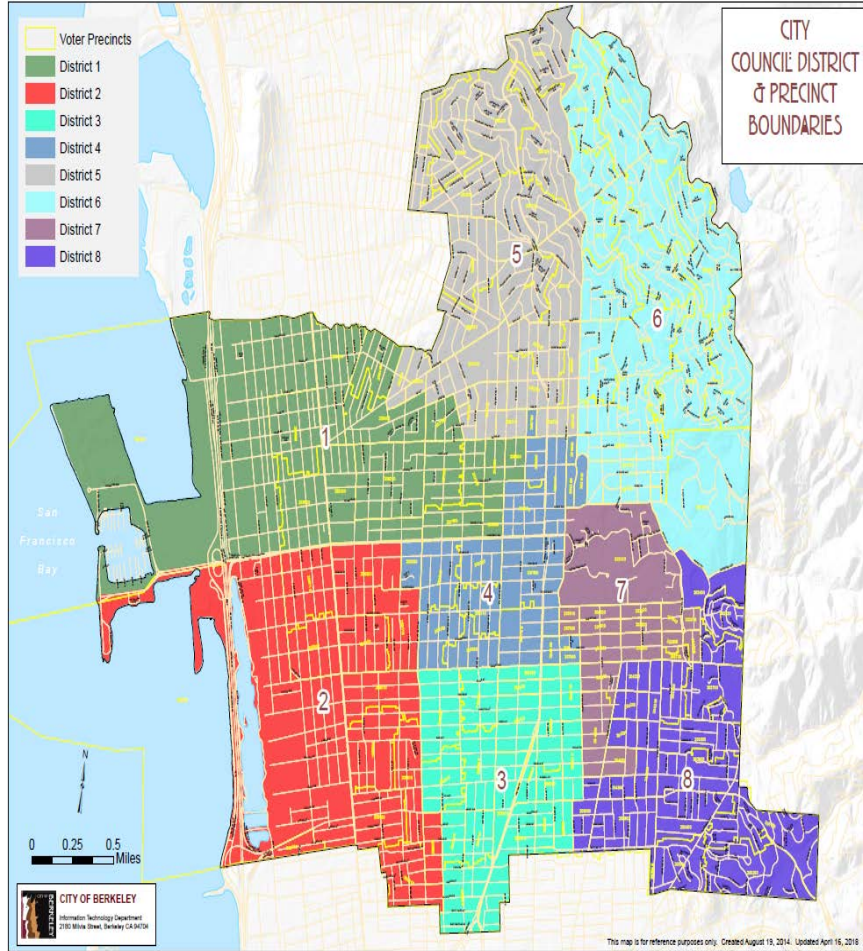
**Lori Droste**  
Councilmember  
District 8



**Jenny Wong**  
Auditor



**Dee Williams-Ridley**  
City Manager



**Kate Harrison**  
Councilmember  
District 4



**Sophie Hahn**  
Councilmember  
District 5



**Susan Wengraf**  
Councilmember  
District 6

# TABLE OF CONTENTS

Program Overview	8
Financial Summaries	24
Unfunded Capital	58
City Facilities	66
Information Technology	80
Parks, Recreation & Waterfront	86
Sanitary Sewer System	116
Storm Water System	152
Sidewalks	164
Streets	172
Transportation	180
Other Infrastructure	198
Equipment & Fleet	204



Office of the City Manager

May 7, 2019

Honorable Mayor and Members of the City Council:

The purpose of the Capital Improvement Program (CIP) book is to provide a tool that captures the detail of the City's CIP in order to assist Council with their long range planning efforts and decisions around capital expenditures. These decisions need to be made in the context of available funds. The capital needs of the City far exceed available resources. As a result, the CIP becomes a set of strategic choices to address Council priorities and translate policies into specific plans.

The City's ability to fund its Capital Improvement Program is limited by the total available resources that are competing with other community priorities. However, years of limited funding and deferred maintenance have resulted in an aging City infrastructure that desperately needs repair and improvement.

The Proposed FY 2020 & FY 2021 CIP Budget Book provides a detailed list of capital projects and equipment purchases and also includes planning schedules for the proposed projects.

Several goals of this CIP book include:

- Allowing for a systematic evaluation of all potential projects at the same time;
- Providing a framework by which City Council can focus on preserving the City of Berkeley's infrastructure while ensuring the efficient use of public funds; and
- Providing a tool which allows for planned capital projects to be ranked in order of priority.

The City has an extensive portfolio of capital assets and infrastructure, which includes 95 public buildings, 254 miles of public sanitary sewer mains and 130 miles of public sewer laterals, 52 parks, 2 pools, 3 camps, and 42 different facilities served by the City's IT systems. Maintaining these assets is a costly and time consuming enterprise that requires significant resources and constant attention. Additionally, Berkeley is an aging city and thus its infrastructure faces challenges that other younger cities do not.

The City faces significant long-term costs in the areas of capital assets and infrastructure. On May 29, 2012, the City Council established a process for reviewing the information necessary to identify expenditure priorities. They adopted Resolution No. 65,748—N.S. "Requiring that the City Manager Develop and Publish a Biennial

Report of [Projections of Future Liabilities](#)".<sup>1</sup> This report was presented at the March 19, 2019, Council Work Session. This report contained a summary of all capital assets and infrastructure including:

- a. Public Buildings
- b. Condition of Streets and Roads using the "Street Saver" information projecting costs to bring streets and roads condition to an average Pavement Condition Index (PCI) of 70 within 10 years.
- c. Sewers: updated asset management plan for public sewers including projected costs for succeeding 5 years and projected revenue from sewer fees for the succeeding 5 years.
- d. Storm drains: updated projected costs contained in the Watershed Management Plan to reflect present value of identified improvements to all watershed acknowledging all completed improvements.
- e. Traffic Signals
- f. IT Infrastructure

Several recent actions by the voters have provided an important boost to the resources available for meeting these challenges:

- In November 2018, Berkeley voters passed Measure O, to issue general obligation bonds not-to-exceed \$135 million to create and preserve affordable housing for low-income household, working families, and individuals including teachers, seniors, veterans, the homeless, and persons with disabilities.
- In November 2018, Berkeley voters passed Measure P, to raise the transfer tax for ten years from 1.5% to 2.5% for property sales and transfers over \$1,500,000 or the top third of both residential and commercial property sales to pay for shelters, rehousing and mental health services and related programs.
- In November 2016, Berkeley voters passed [Measure T1](#),<sup>2</sup> authorizing the City to sell \$100 million of General Obligation Bonds to repair, renovate, replace, or reconstruct the City's aging infrastructure and facilities, including sidewalks, storm drains, parks, streets, senior and recreation centers, and other important City facilities and buildings. Council has approved 33 projects to be completed in Phase 1, spanning 2017 to 2021. These projects are [now underway](#).<sup>3</sup>

---

<sup>1</sup> [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/03\\_Mar/Documents/2019-03-19\\_WS\\_Item\\_01\\_Projections\\_of\\_Future\\_Liabilities\\_pdf.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/03_Mar/Documents/2019-03-19_WS_Item_01_Projections_of_Future_Liabilities_pdf.aspx)

<sup>2</sup> See <https://www.cityofberkeley.info/MeasureT1/>.

<sup>3</sup> See <https://www.cityofberkeley.info/MeasureT1Updates.aspx>.



- The November 2014 voter approval of Measure F (a Citywide special parks parcel tax) provided an additional \$750,000 per year for major maintenance projects, raising annual funding for parks capital and major maintenance projects from the prior \$250,000 to \$1 million.
- In November 2014, Alameda County voters approved Measure BB (a property tax assessment), increasing funding for local transportation enhancements. Berkeley's allocation is approximately \$2.6 million annually and is applied to improving the pavement condition and specific street/transportation improvement projects.
- In November 2012, Berkeley voters approved Measure M (a general obligation bond), to provide an additional \$30 million towards improving the condition of city streets and where appropriate, install Green Infrastructure projects as defined in the Watershed Master Plan.

Despite these measures, City facilities and infrastructure needs continue to exceed available funds. The minimum unfunded needs in parks, pools and camps exceed \$71 million. The amount of recurring funding to address these needs has been bolstered by the passage of Measure F, but is still only \$1.4 million per year. The unfunded needs at the Waterfront exceed \$109 million. There is only \$500,000/year of Marina Funds being allocated to address to those needs, and even this level of investment is at risk given the Marina Fund's projected deficit. Significantly more investment is needed to stabilize the Fund and address the growing backlog of deteriorating infrastructure. The unfunded needs in streets, sidewalks, storm drain/watershed, transportation and buildings/facilities exceeds \$510 million. The amount of recurring funding to address these needs is \$9.67 million.

At the May 8, 2018, Council Work session, the Department of **Parks, Recreation & Waterfront (PRW)** presented the **Update on Capital Improvement Projects: Recent and Planned Projects and Ongoing Needs.**<sup>4</sup> The report covers all PRW capital assets, infrastructure and facilities.

Also, on May 8, 2018, the Department of **Public Works** staff (Public Works) presented their **planned improvements to the City's public facilities and infrastructure for the Fiscal Year (FY) 2019 Proposed Capital Improvement Plan (CIP).**

Capital Projects addressing Berkeley's Homeless Crisis:

The Pathways Project: On April 4, 2017, Council directed staff to implement emergency interim measures to address the homeless crisis in Berkeley, and to mitigate impacts on Berkeley's streets, parks, commercial areas and neighborhoods. The Centerpiece of the Pathways Project is the **1000 Person Plan**, which directs city staff to develop a comprehensive, innovative and meaningful plan to house and serve Berkeley's 1000

---

<sup>4</sup>[https://www.cityofberkeley.info/Clerk/City\\_Council/2018/05\\_May/Documents/2018-05-08\\_WS\\_Item\\_03\\_Parks,\\_Recreation,\\_Waterfront.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2018/05_May/Documents/2018-05-08_WS_Item_03_Parks,_Recreation,_Waterfront.aspx)

homeless, building on existing structures and services and incorporating best practices, and to determine resources and funding that will be needed to realize the plan.

Berkeley Way Housing Development: The City selected the BRIDGE Housing Corporation and the Berkeley Food and Housing Project to redevelop the City-owned surface parking lot at 2012 Berkeley Way. When complete, the site will include 89 units of affordable housing, 53 units of permanent supportive housing for homeless adults, 32 shelter beds, 12 veterans' transitional beds, and homeless services space including a congregate meal facility. In December 2018, the City Council voted to reserve up to \$27.4 million in City funding for the development, including nearly \$4 million already provided to support predevelopment activities. Alameda County allocated \$19.6 million to the development through its A1 Housing Bond program. BRIDGE and BFHP are working to secure other development funds, including state funds, and may be ready to start construction as early as January 2020. To date \$3.9M has been programmed for this project.

Mental Health Services Building - The Mental Health Adult Clinic project includes a comprehensive renovation of the facility to provide a safe, secure, and accessible building for community-based mental health services for City residents. The new facility will provide a welcoming, inviting, clean, durable, and secure facility for staff and clients that facilitates the mission and goals of the Mental Health Division. Construction is planned to start in the second quarter of FY 2019 with an estimated construction length of one year. As of date \$4.8M has been programmed for this project.

FUND\$ Replacement - In FY 2015, the City established a replacement funding source for our core enterprise financial system, FUND\$, by allocating a portion of the excess property transfer tax for FUND\$ replacement. The City also established a replacement fund for our core enterprise financial system, FUND\$, based on the timing and replacement costs reported in the [FUND\\$ Status Report](#).<sup>5</sup>

In FY 2016, the City released an RFP to identify a vendor and product to replace FUND\$. In FY 2017, the City assembled a team of subject matter experts from across the organization to lead the implementation process of the new software with a focus on change management and process improvement. The team completed the evaluation process and selected a vendor to propose to Council. The team is also charged with replacing additional modules utilized in FUND\$ that are not core financial or HR/Payroll. This project is fully funded with \$15.1M allocated to replace the City's Enterprise Resource Management System.

The City has a number of major infrastructure project needs that are not addressed in the capital plan. The Council may need to consider new funding sources, which may include grants, fee increases and revenue generated from possible ballot measures. The City Council has made sound fiscal policy decisions that continue to provide a solid budget framework. Those decisions include establishing five-year plans for revenue and

---

<sup>5</sup> [http://www.ci.berkeley.ca.us/uploadedFiles/Clerk/Level\\_3\\_-\\_City\\_Council/2010/06Jun/2010-06-01\\_Item\\_54\\_FUND\\_\\_Status\\_Report.pdf](http://www.ci.berkeley.ca.us/uploadedFiles/Clerk/Level_3_-_City_Council/2010/06Jun/2010-06-01_Item_54_FUND__Status_Report.pdf)



spending, and a “fix it first” approach in which we fund current capital improvements before funding new projects.

Sewer Pipeline Rehabilitation - In 2014, the City (along with EBMUD and all agencies conveying flows to EBMUD) concluded negotiations with the Environmental Protection Agency and the Department of Justice for violation of the Clean Water Act and agreed to a stipulated settlement known as the final [Consent Decree](#)<sup>6</sup>. To comply with the Consent Decree, the City is required to rehabilitate an average of 4.2 miles of sewer pipeline annually based on a three-year rolling average. Effectively, this mandated significant additional maintenance activities and capital improvements results in increased costs of managing the City’s existing sewer system. After a sewer rate study was completed, a [series of rate adjustments were adopted](#)<sup>7</sup> beginning in FY 2016 to support the added financial load of the Consent Decree requirements.

Because Property Transfer Tax is tied directly to real property sales, it is a volatile revenue source, and difficult to predict more than one year at a time. Understanding the volatility of this General Fund revenue stream, Council adopted a policy that Transfer Tax in excess of \$12.5 million is treated as one-time revenue to be transferred to the Capital Improvement Fund for capital infrastructure needs after the fiscal year ends.

We look forward to planned improvements to our infrastructure including improved access to services and information for community members through implementation of our new ERP System.

Downtown Highlights - We are pleased to have completed the new Center Street Garage that opened on November 2, 2018. The garage increased the supply of public parking as well as provided space for additional bicycle parking and electric vehicle charging. In addition, the renovations to the Downtown Berkeley BART Plaza revitalized the Downtown core’s most important public space and improved transit operations for those who travel to or from the Downtown core via transit every weekday, as well as others who pass through the Plaza. There will also be Major Improvements to Downtown Berkeley infrastructure and amenities as we reconfigure Shattuck Avenue and implement the Hearst Complete Streets Project.

In collaboration with partners in the community, City staff will work to develop a long-range plan and Environmental Impact Report for the Adeline/South Shattuck Corridor that will address key community priorities related to community character, economic development, transportation, parking, infrastructure and affordable housing and anti-displacement.

Finally, we look forward to infrastructure improvements spearheaded by the Parks, Recreation and Waterfront department such as, completing the re-construction of the trellis and improve the pathways and lighting at the historic Berkeley Rose Garden; completing the planning and design to rebuild the Berkeley Tuolumne Camp, which was

---

<sup>6</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2014/09\\_Sep/Documents/2014-09-09\\_Item\\_62\\_EPA\\_Litigation.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2014/09_Sep/Documents/2014-09-09_Item_62_EPA_Litigation.aspx) for EPA litigation settlement report

<sup>7</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2015/06\\_Jun/Documents/2015-06-30\\_Item\\_21\\_Setting\\_New\\_Sustainable.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2015/06_Jun/Documents/2015-06-30_Item_21_Setting_New_Sustainable.aspx) for Sanitary Sewer Rate increases and Proposition 218 information.

destroyed by the Rim Fire in 2013; and developing the conceptual plan for the Berkeley Waterfront which will identify opportunities to improve the amenities and visitor experience at the Berkeley Waterfront.

Respectfully Submitted,

Dee Williams-Ridley  
City Manager



This page left intentionally blank

# CAPITAL IMPROVEMENT PROGRAM OVERVIEW

Each biennium the City of Berkeley updates its Capital Improvement Program (CIP). The Program represents the spending plan for infrastructure improvements and other specific large scale recurring purchases. The City has an extensive portfolio of capital assets and infrastructure, which includes 95 public buildings, 254 miles of public sanitary sewer mains and 130 miles of public sewer laterals, 52 parks, 2 pools, 3 camps, and 42 different facilities served by the City's IT systems. In addition, PRW operates and maintains the Berkeley Waterfront and its related facilities, including the docks, pilings, channel, streets, pathways, parking lots, buildings, trails, Adventure Playground, and 1,000 boat and berth rentals.

Maintaining these assets is a costly and time consuming enterprise that requires significant resources and constant attention. Additionally, Berkeley is an aging city and thus its infrastructure faces challenges that other younger cities do not.

The Proposed FY 2020 & FY 2021 Capital Improvement Program includes the City's capital spending plan for the five-year period beginning with FY 2020 through FY 2024.

The City's ability to fund its Capital Improvement Program is limited by the total available resources that are competing with other community priorities. However, years of limited funding and deferred maintenance have resulted in an aging City infrastructure that desperately needs repair and improvement. CIP funding resources include the General Fund and a number of other special revenue funds, as well as grants and loans. The City uses outside funding sources to the greatest extent possible. This CIP book attempts to identify all known CIP projects, categorizing these projects as Baseline (annual, recurring program), One-time (special allocations, grants, loans), and Unfunded (funding source has yet to be identified).

## Project Categories

The proposed CIP plan presents the City's blueprint for funding critical capital projects based on resource availability and Council's capital investment priorities. Elements of Capital Improvement Program project costs are grouped into broad program categories:

City Facilities	Sidewalks
Information Technology	Streets
Parks, Marina & Waterfront	Transportation
Sanitary Sewers	Other Infrastructure
Storm Drains	Equipment & Fleet

The resources that the City will commit to its priority capital projects are identified within these program categories. While the budget adopts appropriated funds for capital projects in FY 2020 & FY 2021, there are still some unknowns (i.e. status of the economy and pending State and Federal funding for approved projects) that exist. Furthermore, funding for the remaining years of the five-year plan are subject to the availability of resources.

## **Funding Sources**

Total Baseline and One-time CIP allocations are projected at \$111.9 million for FY 2020 and \$59.7 million for FY 2021. Included in FY 2020 is \$50,650,129 allocated for Tuolumne Camp.

Funding sources include:

- ❑ General Fund;
- ❑ Special Revenue Funds such as Measure B and Measure BB Sales Tax, Vehicle Registration Fee, State Transportation Tax Fund (Gas Tax), Measure F, Parks Tax; Measure O and Measure P;
- ❑ Measure M General Obligation Bond;
- ❑ Enterprise Funds such as Zero Waste, Marina, Sanitary Sewer, Clean Storm Water;
- ❑ Internal Service Funds such as Equipment Replacement Fund, PC & Service Replacement Fund; and
- ❑ Federal and State Funds such as Boating and Waterway Loans, and Parks Bonds Grants.

General Fund: a transfer from the General Fund to the Capital Improvement Fund is made annually. The General Fund contribution to the capital program is \$5 million in FY 2020 and in FY 2021. This funding supports the capital improvements that do not have other funding sources regularly available such as building repairs, and supplements programs like street rehabilitation.

Measure O: approved by Berkeley voters in November 2018, General Obligation Bonds not-to-exceed \$135 million to create and preserve affordable housing for low-income household, working families, and individuals including teachers, seniors, veterans, the homeless, and persons with disabilities.

Measure P: approved by Berkeley voters in November 2018, to raise the transfer tax for ten years from 1.5% to 2.5% for property sales and transfers over \$1,500,000 or the top third of both residential and commercial property sales to pay for shelters, rehousing and mental health services and related programs.

Measure T1: approved by Berkeley voters in November 2016, General Obligation Bonds not-to-exceed \$100 million, which will be used to repair, renovate, replace, or reconstruct the City's aging infrastructure and facilities, including sidewalks, storm drains, parks, streets senior and recreation centers and other important City facilities and buildings.

Measure F: approved by Berkeley voters in November 2014, will benefit the Parks, Recreation & Waterfront Department in terms of additional annual funding for major maintenance and capital expenses for parks facilities. Measure F funds will provide the majority of funding for major renovations and upgrades to the Rose Garden Trellis in FY 2020 and FY 2021.

Measure BB: approved by Alameda County voters in November 2014 implements a 30 year Transportation Expenditure Plan by renewing the 0.5 percent transportation sales tax approved in 2000 and increasing the tax by 0.5 percent, will benefit the City's streets

and roads, as well as pedestrian and bicycle infrastructure. This one percent sales tax is managed by the Alameda County Transportation Commission and Berkeley will receive over \$3 million a year in additional funding, as well as capital funding for the Gilman interchange project.

Measure M: approved by Berkeley voters in November 2012, General Obligation Bonds not-to-exceed \$30 million, which are being used to significantly accelerate the implementation of the 5-Year Street Plan and install green infrastructure where appropriate.

### **New Funding Opportunities**

The City has a number of major infrastructure project needs that are not addressed in the capital plan. The City needs to identify funding sources, which may include grants, fee increases and revenue generated from possible ballot measures.

#### Property Transfer Tax in Excess of \$12.5 Million

Because Property Transfer Tax is tied directly to real property sales, it is a volatile revenue source, and difficult to predict more than one year at a time. Understanding the volatility of this General Fund revenue stream, Council adopted a policy that Transfer Tax in excess of \$12.5 million is treated as one-time revenue to be transferred to the Capital Improvement Fund for capital infrastructure needs. Therefore, the amount of Property Transfer Tax included in the chart above is set at the baseline level of \$12.5 million annually since any remainder is transferred into the Capital Improvement Fund after the fiscal year ends.<sup>1</sup>

#### GO Bond Capacity

The City is finalizing a bond issuing plan that will take into account the \$200M existing outstanding bond authorization which comprises of \$65M balance of the \$100M Measure T1 passed in 2016 and the new \$135M Measure O passed in November 2018. Based on the existing bond authorizations, outstanding balances and projected tax revenues, the City is likely to have the ability to generate new bond proceeds in excess of the outstanding \$200M over the next 30 years. Finance is developing scenarios for bond debt programs that would keep the taxes paid by property owner's level over a course of time. This could mean that as old debt is retired, new debt could be issued for new projects. Staff will develop and complete a timeline for the debt issuance for the two outstanding measures.

#### Sanitary Sewer Fund

Our consultant, Bartle Wells Associates, prepared an initial sustainable Sanitary Sewer rate study that was presented to Council on March 17, 2015, and outlined the steps required to conduct a Proposition 218-compliant rate setting process<sup>2</sup>. That rate study

---

<sup>1</sup> [Measure U1 Revenues which is a permanent rate increase in the Rental Unit Business License Tax on owners of five or more residential rental units is budgeted at \\$5M in FY2020 & FY2021. Measure P Revenues, a raise in the transfer tax for ten years from 1.5% to 2.5% for property sales and transfers over \\$1,500,000 or the top third of both residential and commercial property sales to pay for shelters, rehousing and mental health services and related programs budgeted at \\$6M in FY2020 Y& FY2021. These revenues are not included in the \\$12.5M baseline.](#)

<sup>2</sup> Sanitary Sewer Rate Study:  
[http://www.cityofberkeley.info/Clerk/City\\_Council/2015/03\\_Mar/City\\_Council\\_03-17-2015\\_-](http://www.cityofberkeley.info/Clerk/City_Council/2015/03_Mar/City_Council_03-17-2015_-)



has been updated to address the impact of EBMUD's mandated usage decrease, due to drought. Options for the Council to consider to increase rates were included in the May 12, 2015 agenda packet. The rate increase was implemented in FY 2016.

### Large Unfunded Citywide Infrastructure Needs

The City has a number of major infrastructure project needs that are not addressed in the capital plan. Included in the Projections of Future Liabilities report that went to Council on March 19, 2019<sup>3</sup>, is a summary of the City's capital assets and infrastructure needs including an overview of the City's long-term expenditure obligations.

Despite support from a variety of City funds, City facilities and infrastructure needs continue to exceed available funds.

- The City is responsible for maintenance of 95 facilities, not including Library facilities and facilities leased to other entities. These 95 facilities include: 39 facilities in the Parks Recreation and Waterfront inventory and 56 facilities in the Public Works inventory. The cost for routine maintenance, major maintenance, and capital improvements far exceeds currently existing sources of funds. The current estimated cost for city facility needs within the 5-Year Facility Capital Improvement Program is estimated at approximately \$85 million, while the current budget allocation for this work is \$4 million; which results in an estimated unfunded liability of \$81 million.
- The City needs to allocate an additional \$120 million to streets and roads to achieve a Pavement Condition Index (PCI) of 70 within 10 years. An additional \$50 million could be added to the \$120 million needed strictly for paving to represent the full cost of improving city streets to comply with the City's Complete Streets policy, which prescribes that capital transportation projects accommodate the needs of all roadway users. The total \$170 million gap in funding exists in spite of \$30 million received from Measure M, approved by Berkeley voters in 2012 to improve the condition of City streets and install Green Infrastructure projects.
- In 2012, City Council adopted the City's [Watershed Management Plan \(WMP\)](#)<sup>4</sup>. The WMP uses Low Impact Development (LID) methods to develop an integrated and sustainable strategy for managing stormwater resources that addresses water quality, flooding, and the preservation of local creek habitats and the San Francisco Bay. Through modeling and analysis, the WMP also identifies capital improvement projects and projected revenue needs for all City watersheds. In adopting the WMP in 2012 the City recognized that the WMP was developed by examining only two of the 99 watersheds in the City, therefore the remaining watersheds needs to be analyzed. According to the Watershed Management Plan, the total unfunded need of the stormwater system is approximately \$204 million. Staff projects an additional need of \$37 million over

---

[Special Meeting Annotated Agenda.aspx](#) City Council: 03-17-2015 - Special Meeting Annotated Agenda - City of Berkeley, CA

<sup>3</sup> Projections of Future Liabilities:

[http://www.cityofberkeley.info/Clerk/City\\_Council/2017/02\\_Feb/Documents/2017-02-28\\_WS\\_Item\\_01\\_Projections\\_of\\_Future.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2017/02_Feb/Documents/2017-02-28_WS_Item_01_Projections_of_Future.aspx)

<sup>4</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2012/10Oct/Documents/2012-10-30\\_Item\\_20\\_Watershed\\_Management\\_Plan.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2012/10Oct/Documents/2012-10-30_Item_20_Watershed_Management_Plan.aspx)

the next five years, including \$5 million in unfunded maintenance needs and \$32 million for projected capital improvement projects.

Public Works retained a consultant to update the facilities assessments that were completed over 14 years ago; this assessment was completed in 2013 and provides the basis for more refined cost estimates and capital planning. The planned FY 2020 and FY 2021 CIP budget included an additional \$1.1M each year to address facilities. Measure T1 funding source will help to mitigate a portion of the liability, however, the City will need to continue to identify additional ongoing funding sources. Despite voter action to boost resources to fund city facilities and infrastructure, there continues to be ongoing challenges in which the needs exceeds available resources.

Finally, the City established a replacement funding source and Fund for our core enterprise financial system, FUND\$. Beginning in FY 2015 the City set aside \$500,000 of the Property Transfer Tax to fund the replacement for that system. As of November 2018, \$15.1M has been set aside to fully fund the ERP System. The CIP budget continued that allocation in FY 2016 and FY 2017, subject to the availability of excess transfer tax.

## DEFINITIONS

**Accounting System** - The total set of records and procedures used to record, classify, and report information on the financial status and operations of an entity.

**Activity** - A unit of budgetary accountability and control that encompasses specific and distinguishable lines of work performance for the purpose of accomplishing a function for which the City is responsible.

**Adopted Budget** - The budget document formally approved by the City Council.

**Allocated Costs** – A method for allocating overhead time and other expenses to activities that provide direct services.

**Allotments** - Management allocation of appropriated funds subject to legal constraints.

**Appropriation** - An authorization granted by the City Council to make expenditures and to incur obligations for purposes specified in the Appropriation Ordinance. An appropriation is usually for a fixed amount and time limited, and must be expended before the deadline.

**Appropriation Ordinance** – Council adopts an ordinance that sets the annual expenditure authority at the fund level.

**Assessed Valuation** - A valuation set upon real estate or other property by the County Assessor and the State as a basis for levying taxes.

**Authorized Positions** - Positions approved by the City Council which may or may not have funding (see Budgeted Positions).

**Baseline Budget** – Resources necessary to meet an established service level.

**Basis of Budgeting** - Basis of budgeting refers to the method used for recognizing revenues and expenditures in budget. The City uses the modified accrual basis of accounting for budgetary purposes, which is in compliance with Generally Accepted Accounting Principles.

**Beginning Fund Balance** - Fund balance available in a fund from the end of the prior year for use in beginning of the following year.

**Benchmarking:** A systematic process of searching for best practices, innovative ideas, and highly effective operating procedures that leads to superior performance – and then adapting those practices, ideas and procedures to improve the performance of one's own organization.

**Biennial Budget** – A budget covering a period of two years.

**Bonds:** In a construction context, bonds are security to assure performance of the contract obligations. Three parties are involved in a bond: the principal, the surety, and the obligee.

**Bid Bond** — A bond guaranteeing that if a selected bidder refuses to enter into a contract and the City must award the contract to another bidder, the bonding company will pay the City the difference between the bid prices, up to the amount of the bond. When seeking certain types of work on projects, the City may require that a designated amount of money (usually 10% of the total cost) be posted in the form of a bond or cash equivalent in order to participate.

**Performance Bond** — A bond where the surety provides security that the principal will perform all of its contract obligations in a timely and workmanlike manner. Usually, a performance bond is only for the benefit of the obligee/owner of the construction project. If the principal defaults, the obligee/owner can require the surety to complete the project or to pay for the costs of completion. Subcontractors do not have the right to seek payment from the performance bond surety if the principal defaults. The bond is cancelled upon completion of the project.

**Payment Bond** — A bond where the surety provides security that all persons supplying labor and material to the project will be paid. Subcontractors and suppliers are the "beneficiaries" of a payment bond. They do not require the bond nor are they a party to it. If the principal defaults, beneficiary subcontractors and suppliers usually have the right to sue the surety directly for payment.

**Bond Interest and Redemption** - Payment of interest and principal on an obligation resulting from the issuance of bonds.

**Budget** - A planning and controlling document for financial operation with estimates of proposed expenditures and revenues for a given period of time, usually one year. A reflection of City policies, goals, and priorities expressed in figures.

**Budget Calendar** - The schedule of key dates or milestones that a government follows in the preparation and adoption of the budget.

**Budget Code:** Code used to identify types of items or services expensed. Correctly using this tool ensures expenditures are recorded properly for use by the Budget Office.

**Budget Document** - The official written statement prepared by the budget office and supporting staff.

**Budget Message** - A general written description summarizing the proposed budget. The budget message explains principal budget issues against the background of financial

experience in recent years and presents recommendations made by the City Manager.

**Budget Modification:** Movement of money from one budget code to another budget code to ensure money is recorded to correct budget line.

**Budgeted Positions** - The number of full-time equivalent positions to be funded in the budget. Example: Funding of two half-time positions would equal one full-time equivalent position.

**Budget Supplement** – A request for an increase or decrease in an existing service level (over and above the base budget).

**Capital Improvement (Program) Budget** - A plan for capital expenditures and the means of financing them, to be incurred each year over a fixed period of years, to meet capital needs arising from long-term work program. Included are expenditures made for land, building, permanent public works projects, major reconstruction or renovation of structures, and major landscaping or park improvements.

**Capital Outlays** - Expenditures for the acquisition of capital assets.

**Carry-over Balance** - Balance of unspent funds brought forward from prior years.

**CDBG** – The Community Development Block Grant (CDBG) is a federal program for the development of housing and community projects. Funds are awarded to community based agencies on an annual basis to carry out these activities

**Chart of Accounts:** A coding structure that defines all financial transactions of the District. The Chart is sufficiently detailed to track individual revenues and expenditures for any given program, department or fund.

**City Charter** - Legal authority approved by the voters of the City of Berkeley under the State of California Constitution establishing the government organization.

**Commodity:** An item of trade, also a “good.”

**Community Agencies** - Non-City agencies in Berkeley which provide public services with some financial assistance from the City. These monies may come either from the General Fund, CSBG or CDBG.

**Contingency** - Funds appropriated by the City Council for unforeseen needs.

**Consultants** - Fees paid to outside individuals who provide advice or services.

**Debt Service** - Actual cost of interest and principal on bond maturities as well as

revenue anticipation notes.

**Description** - Contains a list of the typical activities of programs.

**Department** - An organizational unit comprised of divisions or programs. It is possible for a department to be comprised of only one division.

**Discretionary Revenue** - Money that the City Council has the authority to allocate for any purpose. Often refers to the General Fund, as opposed to Special Funds.

**Division** - A functional grouping of related activities within a department. There are usually several activities within a division.

**Dual Appropriation** - Revenue that is initially budgeted for receipt in one fund and subsequently transferred for expenditure in another fund.

**Employee Benefits** - The cost to the City for contribution to employee retirement, social security, health and workers' compensation programs.

**Employee Years** - The number of positions that full-time employees would occupy during a regular work period. For example, two half-time employees would constitute one employee year.

**Encumbered Roll-over:** Funds encumbered for contracts or one-time purchase orders that bridge a fiscal year may be used in the following fiscal year without affecting a department's budget.

**Encumbrance** - Funds not yet expended and are delegated or set aside in anticipation of an expenditure in the form of a purchase order, contract, or other commitment, chargeable to an appropriation. These funds cease to be an encumbrance when paid.

**Enterprise Fund** - Established to finance and account for the operation and maintenance of facilities and services which are predominately self-supporting by user charges.

**Enterprise Resource Management Application (ERMA):** A new enterprise system will improve integration, reporting and roll-up capabilities, and organizational processes, and allow for the implementation of business process best practices. Overall goals of ERMA are to improve efficiency and asset lives. ERMA will be integrated with other systems.



**Expenditure** - Designates the cost of goods delivered or services rendered, whether paid or unpaid. Where accounts are kept on the accrual or modified accrual basis of accounting, costs are recorded when goods are received or services rendered. Where accounts are kept on a cash basis, expenditures are recognized when the cash payments are made

**Fair Market Value** - The value of a piece of real estate in the open market. Used to determine the assessed value of property for taxing purposes.

**Fees** - A charge to cover the cost of services (e.g., building inspection fee, zoning fee, etc.).

**Fiscal Year** - A twelve-month period of time to which the budget applies. For the City of Berkeley, this period is from July 1 through June 30.

**Fixed Asset** – A tangible item of a long-term character such as land, buildings, furniture, and other equipment.

**Fringe Benefits** - Benefits to City employees, in addition to salaries, paid by the City. These benefits include social security, pensions, workers' compensation, unemployment compensation, life and health insurance.

**Full Time Equivalency (FTE)** - One or more employee positions totaling one full year of service or approximately 2080 hours a year.

**Fund** - A independent fiscal and accounting entity with a self-balancing set of accounts recording cash and/or other resources, together with all related liabilities, obligations, reserves and equities which are segregated for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulations.

**Fund Balance** – Within a specific operating fund, the net of expenditures and revenues.

**Funding Source** – Identifies fund(s) that will provide resources for City expenditures.

**Gas Tax Fund** – This fund is required by State law to account for gas tax revenues received from the State and expended for construction and maintenance of City streets.

**General Fund** - The primary fund of the City used to account for all revenues and expenditures of the City not legally restricted as to use.

**General Obligation Bond** - A bond whose repayment is guaranteed by pledging all the assets and revenues of a government agency.

**General Plan** – The General Plan is a long-range planning document that provides the City a framework for action and the direction in which to focus that action. General Plan Elements are areas in which the City has elected to administer and manage the delivery of services to its community.

**General Revenue** - General sources of income the City collects and receives into the Treasury for public use (e.g., property tax). There are no restrictions as to the use of these monies - often referred to as Discretionary Revenue.

**Grant** - A contribution from one government unit to another, usually made for a specific purpose and time period.

**IFB (Invitation For Bid):** An advertisement for offers under sealed bidding procedures where price is the sole basis for award selection. However, the low bidder is subject to a determination that it is responsive and responsible. A bid opening is held at a specific date and time and may be witnessed by interested parties.

**Illiquid Reserve** - Includes the portion of the reserve that represents amounts due to the general fund. For example, grant program expenditures fronted by the general fund represent grants receivable. When departments requests reimbursement for their program expenditures, the grant revenues will be used to reimburse the general fund.

**Interfund Transfers** - Monies appropriated from one fund to another fund. This is done to reimburse the fund for expenses or to finance the operation of the other fund.

**InterDepartmental Charges** - Departments charging to perform or provide specific services to other City departments on a cost for services basis. The services performed are charged to the using department.

**Internal Service Funds** – These funds provide resources to fund City operations. This is a funding mechanism to fund such things as equipment replacement, vehicle maintenance, facility maintenance, and mail services. These services are essential to the health of our organization.

**Line Item** – A detail level account in which expenditures or revenues are budgeted.

**Liquid Reserve** - Refers to the portion of the general fund reserve that is available for use.

**Liquidated Damages:** A predetermined amount of money designated in a contract that may be assessed as damages by the City in the event a vendor fails to perform one or more elements of an obligation to the City.

**Lost Time** - A measure used by departments to measure absenteeism. It is derived by adding an employee's sick time, workers' compensation, and any other unpaid absences.

**Mandate (Mandated Services)** – A legal requirement, usually imposed by State or Federal law. This term is used to refer to City services, which are provided to comply with State or Federal laws.

**Materials, Supplies and Services** - Expenditures for materials, supplies and related services which are ordinarily consumed within a fiscal year and which are not included in department inventories.

**Municipal Code** - A book that contains City Council approved ordinances presently in effect. The Code defines City policies in various categories.

**Objectives** - Identifies the desired results of the activities of a program.

**Operating Budget** – A programmatic, financial, and organizational plan for furthering the goals of the City Council through departments of the City, which does not include capital improvement projects.

**Operating Expenses** – Expenses incurred as a result of day-to-day operations.

**Ordinance** - A formal legislative enactment by the City Council. It has the full force and effect of law within the City boundaries unless it is in conflict with any higher form of law, such as a State statute or constitutional provision. An ordinance has higher legal standing than a resolution. A law set forth by a government authority, specifically, a municipal regulation.

**Performance Indicator** – A performance indicator is a measurement designed by a reasoning process to determine whether or not a service objective has been met. It measures the effectiveness of achieving the objective or how well the objective has been accomplished.

**PERS** - Public Employees Retirement System. - A pension plan administered by the State of California for government agencies.

**Personnel Expenditures** - Salaries and wages paid to employees.

**Pre-Encumbrance** – A commitment of funds for goods and services that cannot become officially encumbered until Purchasing creates a purchase order.

**Program:** A group within a department comprised of related activities that accomplish a particular function for which the District is responsible.

**Project:** A budget unit relating to a defined set of improvements or a study.

**Program Revenues** – Revenues received by a department as a result of the services or operations of that department (such as user fees), which are used to finance the

related services or programs. Program Revenue is not discretionary (general-purpose) revenue.

**Proposed Budget** - The working budget document for the fiscal year under discussion.

**Property Tax** – California State Constitution Article XIII A provide that the combined maximum property tax rate on any given property equal 1% of its assessed value unless an additional amount has been approved by voters for special taxes or general obligation bonds. The County assesses properties, bills and collects these property taxes. The County remits the City’s share, including all penalties and interest.

**Property Transfer Tax** – This tax is levied at a rate of \$1.50 per \$100 of the value of consideration of equity value transferred. The County collects the tax and the City receives the revenues. The City can use up to one third of the revenue for seismic retrofits. Revenues are dependent on how frequently the property is transferred and on the accrued value at the time of transfer.

**Proposed Budget** - The working document for the fiscal year under discussion.

**Purchase Order:** A commitment of funds for goods or services. The successful creation of a City purchase order tells the vendor that the City will pay for a commodity or service when delivered to the City.

Blanket — An entry designating an amount (subject to quoting requirements based on total price) for the purchase of a range of goods or service over a given time period — commonly two years. In a blanket purchase order, the vendor is obligated to sell something to the City at a set price for a set time.

One-time — A purchase of goods or services needed to fulfill the requirements of a Department, which is completed without milestone payments.

Lease – A PO cut for a lease of equipment will be continued over the life of the lease even if the lease crosses fiscal years.

Blue Backed Contract – A PO is a payment mechanism for a Blue Backed Contract. This PO will have in the freight field the CMS contract number assigned by the Auditor’s Office. No action can be initiated on this PO without authorization from the Auditor’s Office.

**Repairs and Maintenance** - Expenditures for repairs and maintenance of all equipment and supplies, buildings, structures and grounds.

**Requisition:** A formal written request for goods and service.

**Reserve** - An account used to earmark a portion of the fund balance as segregated for a specific use.

**Resolution** - A special order of the City Council that requires less legal formality than an ordinance in terms of public notice and the number of public readings prior to approval.

**Restricted Use Funds** – Funds legally designated for use for a specific purpose.

**Revenue Bonds** - A type of bond usually issued to construct facilities. The bonds are repaid from revenue produced by the operation of those facilities.

**Revenues** – Income received through taxes, fees, grants, interest, bonds or other funding streams. Funding estimated to be available for appropriation during the fiscal year.

**RFI (Request for Information):** An advertisement to obtain price, delivery, other market information, or capabilities for planning purposes when the City does not presently intend to issue a further solicitation. RFI responses are opened at a specific place and time. Generally, this method is used to pre-qualify vendors prior to bidding or to seek vendors that would be interested in a project. This is almost always used as step one in a two-step process. The second step would be the bid or RFP.

**RFP (Request for Proposal):** An advertisement for a specific good or for service. Responses are compared (and may be negotiated) to determine whether the vendor is able to provide the City with the service required at the best price. Experience, qualification, and the proposed solution to the advertised issue may be more important than price. RFP responses are opened at a specific place and time, but are not made available to the public until after the Council has awarded the bid.

**RFQ (Request for Qualifications):** An advertisement for information related to a company's or person's qualifications (e.g., architects and engineers). Like an RFI, responses to the advertisement are opened on a specific date at a specific time. The document only asks for a company or person's qualifications (for example, architects or engineers). Prices are not usually requested. This process is used to select someone based strictly on experience and qualifications. Rates are negotiated with the firm of first choice. For projects over \$100,000 a formal advertisement is made and an interview panel makes the selection. After the initial interview, selected firms may be asked to interview and make a presentation. For informal projects (under \$100,000), firms are solicited from an established list and the project manager makes the selection.

**Salary Savings** - That percentage or dollar amount of salaries which can be expected to be unspent during the fiscal year generally due to vacancies.

**Sales Tax** - The City receives one percent of the 9.75% of taxes assessed on retail sales or leases of tangible personal property in the City.

**Secured Taxes** - Taxes levied on real properties in the City which are "secured" by liens on the properties.

**Service Level** – Indicates a project’s effect on existing levels of service provision or identifies a new service to be provided to the public.

**Single Source:** Single source is when there is only a single vender who can provide the product or service, e.g. when there is only one: authorized distributor defined in a specific geographic location. A single source can also be a vendor who can provide the good or service in a situation where “time is of the essence” and to delay the purchase would cost the City of Berkeley substantially more money. Or competition is found to be inadequate after informal or formal solicitation, or in the case of an emergency situation.

**Sole Source:** Sole source may be used when there is only one source for the needed product.

**Special Assessment Fund** - A fund used to account for the financing of public improvements or services deemed to benefit primarily the properties against which special assessments are levied.

**Special District** - Independent unit of local government generally organized to perform a single function.

**Specialized Services** - Services that are not otherwise categorized, such as title searches, police work for private parties, consultant fees, library materials, fringe benefits and loans.

**Spending Limitation (Gann Limit)** – Article XIII B of the California Constitution establishes a spending limitation on government agencies within California. The spending limit is a mandated calculation of how much the City is allowed to expend in one fiscal year. The amounts of appropriations subject to the limit are budgeted proceeds of taxes. The total of these budgeted revenues cannot exceed the total appropriations limit. Annually, local governments may increase the appropriate limit by a factor comprised of the change in population combined with the California inflation rate as determined by the State Finance Department.

**Supplemental Assessment-** An assessment of real property occurring after the real property lien date of January 1st of each year as a result of new construction or a change in ownership. The assessor determines the new value of the property based on current market values, and then calculates the difference between the new value and the old value set on January 1st.

**Tax Levy** - Amount of tax dollars raised by the imposition of the tax rate on the assessed valuation of property.



**Tax Rate** - The amount of tax levied for each \$100 of assessed valuation.

**Transient Occupancy Tax** - A 12% tax is levied on charges for occupancy of hotel and motel rooms for stays of 30 days or less. The City's lodging industry is largely dedicated to serving its industrial base.

**Transportation** - Transportation and travel-related expenses incurred in the performance of official City business.

**Unencumbered Balance** – Amount in a line-item that is not encumbered or expended and is available for use.

**Unfunded (Supplemental) Requests** - An item for which funding is not included by the City Administrator due to financial limitations, not because the request lacks merit. The Council may act to include them in the final budget, which may require reordering of budget priorities.

**Unfunded Liabilities** - Unfunded liabilities are defined as identifiable obligations of an organization for which the organization does not have 100% of the funding (cash or other assets) set aside to cover the cost should all obligations become immediately due.

**Utility Users Tax** – A 7.5% tax is levied on utility billings for gas and electric and intra-state telephone services.

**Vendor:** A company, individual, or agency selling goods or services to the City.

**Waiver:** Forms that document relinquishment of rights and/or dispensation from a rule. Several types of waivers are available for exceptions to local regulations.

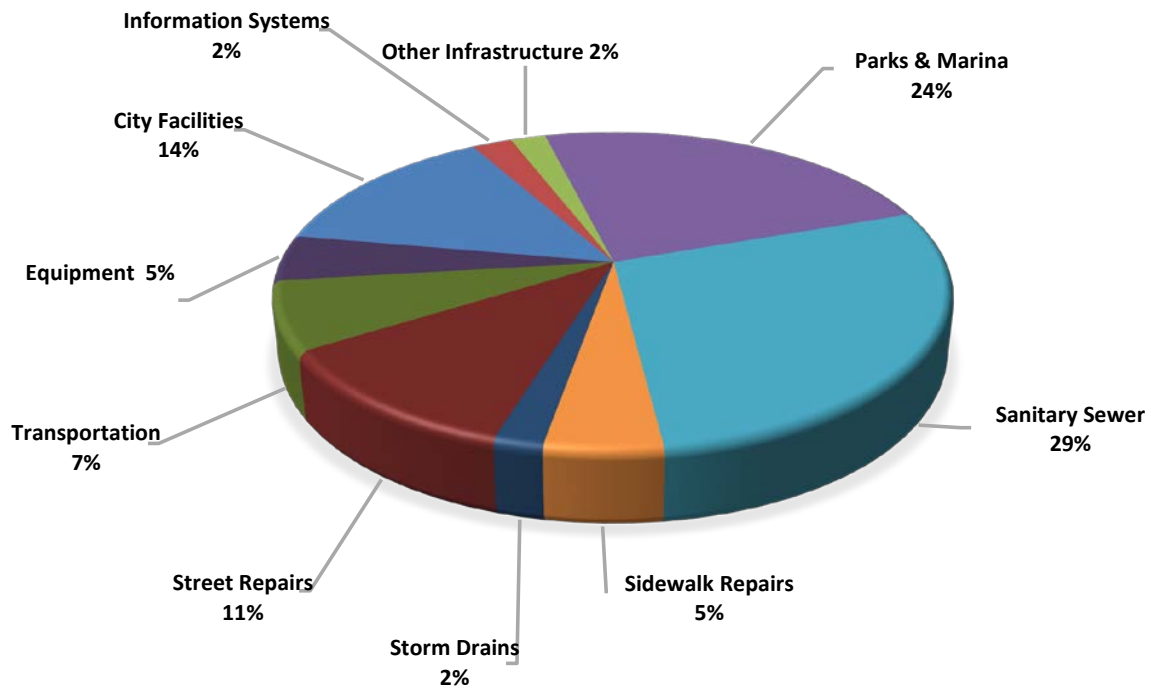
**Year-End** – This terms means as of June 30<sup>th</sup> (end of the fiscal year) for the City.

**Zero Waste Fund** – This fund accounts for the revenues and expenses related to refuse collection and solid waste disposal services.

# CITYWIDE CAPTIAL PROGRAM BY CATEGORY - ALL FUNDS

## Baseline and One-time Funding

Category	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Total
City Facilities	\$ 4,842,980	\$ 6,458,219	\$ 5,858,653	\$ 3,258,600	\$ 26,958,571	\$ 47,377,023
Information Systems	3,274,922	3,119,922	439,789	518,678	288,062	7,641,373
Parks & Marina	64,449,496	5,641,314	3,514,701	2,891,989	2,792,496	79,289,996
Sanitary Sewer	17,265,619	20,019,883	20,738,751	17,478,632	20,003,551	95,506,436
Storm Drains	1,729,239	1,785,000	927,500	495,000	1,875,000	6,811,739
Sidewalk Repairs	2,035,000	3,035,000	4,035,000	4,035,000	3,035,000	16,175,000
Street Repairs	9,530,191	6,975,303	6,975,303	7,275,303	7,275,303	38,031,403
Transportation	4,636,779	8,183,116	6,650,095	3,062,841	1,005,537	23,538,368
Other Infrastructure	1,586,936	1,032,964	539,496	742,829	753,330	4,655,555
Equipment	2,611,000	3,515,000	6,664,227	1,902,000	1,036,000	15,728,227
<b>Total</b>	<b>\$ 111,962,162</b>	<b>\$ 59,765,721</b>	<b>\$ 56,343,515</b>	<b>\$ 41,660,872</b>	<b>\$ 65,022,850</b>	<b>\$ 334,755,120</b>

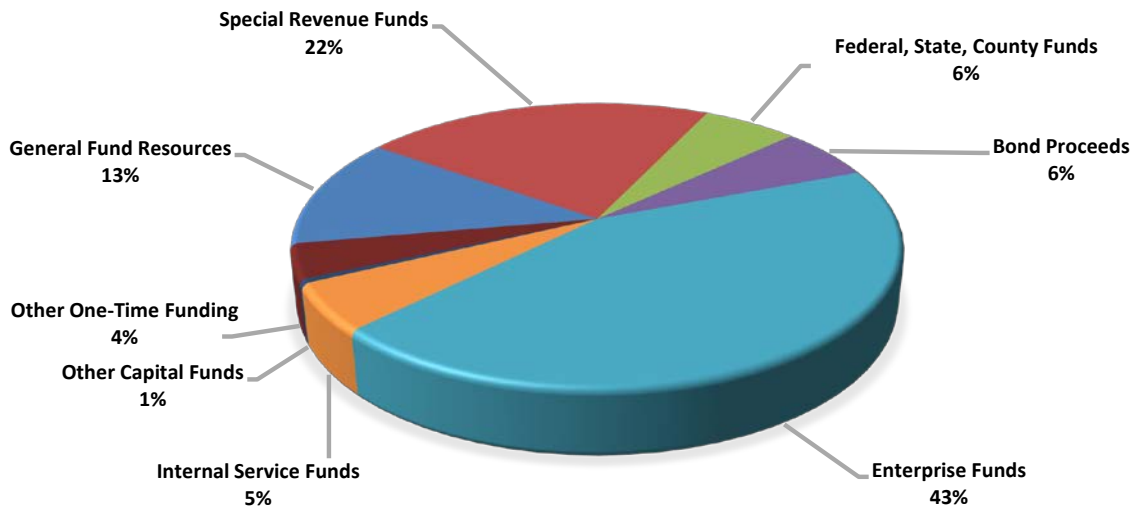


## CITYWIDE CAPITAL PROGRAM BY FUNDING SOURCE - ALL FUNDS

### Baseline and One-time Funding

	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Total
<b>General Fund Resources</b>	<b>11,354,329</b>	<b>10,705,264</b>	<b>6,468,214</b>	<b>6,811,246</b>	<b>6,811,188</b>	<b>42,150,241</b>
Capital Improvement Fund	8,569,777	7,920,712	6,418,214	6,611,246	6,611,188	36,131,137
ERP Replacement Fund	2,734,552	2,734,552	0	0	0	5,469,104
VoIP Replacement Fund	0	0	0	0	0	0
General Fund (Reserve)*	50,000	50,000	50,000	200,000	200,000	550,000
<b>Special Revenue Funds</b>	<b>54,737,948</b>	<b>7,353,974</b>	<b>5,096,308</b>	<b>3,719,767</b>	<b>3,620,303</b>	<b>74,528,300</b>
Measure B	1,042,517	2,326,677	1,128,882	75,000	75,000	4,648,076
Parks Tax	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Camps	50,650,128	1,699,713	722,123	99,464	0	53,171,428
Transportation/Gas Taxes	2,045,303	2,327,584	2,245,303	2,545,303	2,545,303	11,708,796
<b>Federal, State, County Funds</b>	<b>3,941,759</b>	<b>5,006,779</b>	<b>3,495,184</b>	<b>3,845,712</b>	<b>3,785,537</b>	<b>20,074,971</b>
Measure F (Vehicle Registration Fee)	359,948	634,467	355,000	355,000	355,000	2,059,415
Measure BB	3,581,811	4,372,312	3,140,184	3,490,712	3,430,537	18,015,556
<b>Bond Proceeds</b>	<b>14,087,010</b>	<b>1,149,457</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>1,000,000</b>	<b>20,236,467</b>
Measure M - General Obligation	0	0	-	-	-	0
T1 Infrastructure Bond	14,087,010	1,149,457	2,000,000	2,000,000	1,000,000	20,236,467
<b>Enterprise Funds</b>	<b>21,835,905</b>	<b>27,277,498</b>	<b>27,048,764</b>	<b>20,766,340</b>	<b>48,381,760</b>	<b>145,310,267</b>
Clean Storm	1,729,239	1,785,000	927,500	495,000	1,875,000	6,811,739
Marina	835,719	1,142,677	1,142,677	1,142,677	1,142,677	5,406,427
Refuse	2,005,328	4,329,938	4,239,836	1,650,031	25,360,532	37,585,665
Sanitary Sewer	17,265,619	20,019,883	20,738,751	17,478,632	20,003,551	95,506,436
<b>Internal Service Fund</b>	<b>3,151,370</b>	<b>3,900,370</b>	<b>7,104,016</b>	<b>2,420,678</b>	<b>1,324,062</b>	<b>17,900,496</b>
Equipment Replacement Fund	2,611,000	3,515,000	6,664,227	1,902,000	1,036,000	15,728,227
Computer Replacement Fund	540,370	385,370	439,789	518,678	288,062	2,172,269
<b>Other Capital Funds</b>	<b>100,000</b>	<b>246,219</b>	<b>780,128</b>	<b>260,829</b>	<b>100,000</b>	<b>1,487,176</b>
Private Party Sidewalks	100,000	100,000	100,000	100,000	100,000	500,000
Street Light Assessment	0	0	0	-	-	0
UC Settlement	0	21,219	555,128	160,829	-	737,176
MTC	0	125,000	125,000	0	0	250,000
<b>Other One-Time Funding</b>	<b>2,753,842</b>	<b>4,126,160</b>	<b>4,350,900</b>	<b>1,836,300</b>	<b>-</b>	<b>13,067,202</b>
Off Street Parking	300,000	500,000	-	-	-	800,000
Gilman Reserve Fund	0	-	-	-	-	0
BAAQM	60,000	60,000	60,000	0	0	0
Parking In-Lieu (Shattuck Reconfig.)	0	-	-	-	-	0
Parking Meter Fund	250,000	0	0	0	0	250,000
Street & Open Space Improvements	0	0	0	-	-	0
FEMA - (NB Sesmic Retrofit)	0	-	-	-	-	0
CALTRANS	2,143,842	3,566,160	4,290,900	1,836,300	-	11,837,202
<b>Total</b>	<b>\$ 111,962,163</b>	<b>\$ 59,765,721</b>	<b>\$ 56,343,514</b>	<b>\$ 41,660,872</b>	<b>\$ 65,022,850</b>	<b>\$ 334,755,120</b>

\*General Fund Reserve - Catastrophic Loss



**GENERAL FUND FIVE-YEAR CIP PLAN:  
Baseline and One-time Funding**

Program Areas	R/ OT	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	Totals
<b>City Facilities</b>		<b>\$ 1,580,000</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 5,180,000</b>
Roof Replacement	OT	290,000	264,500	240,000	455,436	352,497	1,602,433
Building Assesment (Contingency)	OT	70,000	73,500	74,900	78,645	82,577	379,622
Civic Center Carpet Replacement	OT	440,000	462,000	485,100	-	-	1,387,100
Fire Station 6 Drill Tower	OT	45,000	-	-	-	-	45,000
HazMat Storage Upgrade	OT	35,000	-	-	-	-	35,000
Parking Lot	OT	600,000	-	-	-	-	600,000
ADA Building Improvements	R	100,000	100,000	100,000	100,000	100,000	500,000
Emergency Building Repairs	R	-	-	-	265,919	364,926	630,845
Wireless Master Plan		-	-	-	-	-	-
<b>Parks and Marina</b>		<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,000,000</b>
Rose Garden-Phase II	R	100,000	-	-	-	-	100,000
San Pablo Play Structure	R	300,000	-	-	-	-	300,000
Grove Park Play Equipment	R	-	200,000	-	-	-	200,000
Aquatic Park Dream Land Imprv	R	-	200,000	-	-	-	200,000
CIP ADA Parks Contingency Projects	R	-	-	250,000	250,000	250,000	750,000
Replace Haz Play Equip (Contingency)	R	-	-	150,000	150,000	150,000	450,000
		-	-	-	-	-	-
<b>Sidewalks</b>		<b>1,635,000</b>	<b>2,635,000</b>	<b>1,635,000</b>	<b>1,635,000</b>	<b>1,635,000</b>	<b>9,175,000</b>
50/50 Program	R	100,000	100,000	100,000	100,000	100,000	500,000
50/50 Catch-up	R	1,000,000	1,000,000	-	-	-	2,000,000
Proactive & Responsive Sidewalk Repair	R	285,000	285,000	285,000	285,000	285,000	1,425,000
Pathway Repairs	R	50,000	50,000	50,000	50,000	50,000	250,000
ADA Curb Ramp Program	R	200,000	200,000	200,000	200,000	200,000	1,000,000
ADA Transition Plan Implementation	R	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
		-	-	-	-	-	-
<b>Streets</b>		<b>1,925,000</b>	<b>1,925,000</b>	<b>1,925,000</b>	<b>1,925,000</b>	<b>1,925,000</b>	<b>9,625,000</b>
Street Rehabilitation FY2020	R	1,825,050	-	-	-	-	1,825,050
Street Rehabilitation FY2021	R	99,950	1,825,050	-	-	-	1,925,000
Street Rehabilitation FY2022	R	-	99,950	1,825,050	-	-	1,925,000
Street Rehabilitation FY2023	R	-	-	99,950	1,825,050	-	1,925,000
Street Rehabilitation FY2024	R	-	-	-	99,950	1,825,050	1,925,000
Street Rehabilitation FY2025	R	-	-	-	-	99,950	99,950
<b>Transportation /Traffic</b>		<b>653,662</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>653,662</b>
Sac. St Complete Streets/NB BART	OT	47,000	-	-	-	-	47,000
San Pablo/Ashby Intersection Imprv.	OT	606,662	-	-	-	-	606,662
<b>Other Infrastructure</b>		<b>1,066,608</b>	<b>753,026</b>	<b>249,660</b>	<b>442,798</b>	<b>442,798</b>	<b>2,954,890</b>
Street Lighting	R	416,608	443,026	199,660	392,798	392,798	1,844,890
Undergrond Utility Dist. No. 48 Project	R	250,000	260,000	-	-	-	510,000
Traffic Calming Program	R	50,000	50,000	50,000	50,000	50,000	250,000
EV Charging Stations @ Corp Yard	R	350,000	-	-	-	-	350,000
		-	-	-	-	-	-
<b>Debt Service</b>		<b>1,309,507</b>	<b>1,307,686</b>	<b>1,308,554</b>	<b>1,308,448</b>	<b>1,308,390</b>	<b>6,542,585</b>
Animal Shelter Debt Service/2010 COP Animal Shelter	R	402,613	401,800	401,800	401,800	401,800	2,009,813
Ball Fields Acquisition	R	249,971	249,467	249,901	249,848	249,819	1,249,006
Theater Debt Service	R	249,971	249,467	249,901	249,848	249,819	1,249,006
University Ave. W/C Debt Service	R	406,952	406,952	406,952	406,952	406,952	2,034,760
		-	-	-	-	-	-
<b>Total General Fund</b>		<b>\$ 8,569,777</b>	<b>\$ 7,920,712</b>	<b>\$ 6,418,214</b>	<b>\$ 6,611,246</b>	<b>\$ 6,611,188</b>	<b>\$ 36,131,137</b>

R=Recurring Funding; OT = One-time Funding; OT\*= Mayor/Council One Time Supplemental

<b>Personnel Cost Allocation</b>		<b>\$ 1,177,021</b>	<b>\$ 1,074,816</b>	<b>\$ 1,107,060</b>	<b>\$ 1,140,272</b>	<b>\$ 1,174,480</b>	<b>\$ 5,673,650</b>
----------------------------------	--	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------

**Note:** Not included in the chart above are personnel costs in excess of \$1M per year that will ultimately be charged to projects supported by other funds.

## Public Works

### 2020 - 2024 Capital Improvement Program

#### Summary Fund Source and Use Report

Fund Name	Fund Number	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
General Fund	011 (010)	\$600,000	\$0	\$0	\$0	\$0	\$600,000
State Transportation Tax	127 (369)	\$665,303	\$747,584	\$665,303	\$665,303	\$665,303	\$3,408,796
SB1 (Road Maintenance & Rehabilitation)	127 (369)	\$ 1,500,000	\$1,700,000	\$1,700,000	\$2,000,000	\$2,000,000	\$ 8,900,000
Measure B - Local Street & Road	130 (391)	\$850,000	\$1,892,654	\$850,000	\$0	\$0	\$3,592,654
Measure B - Bike & Ped	131 (392)	\$117,517	\$359,023	\$203,882	\$0	\$0	\$680,422
Measure F - Ala Ct VRF St & Rd	133 (397)	\$259,948	\$534,467	\$255,000	\$255,000	\$255,000	\$1,559,415
Measure BB - Local Street & Road	134 (406)	\$3,094,983	\$4,026,015	\$2,822,212	\$3,688,629	\$3,705,537	\$17,337,376
Measure BB - Bike & Ped	135 (407)	\$714,218	\$471,297	\$442,972	\$77,083	\$0	\$1,705,570
Streetlight Assmt District	142 (470)	\$416,608	\$443,026	\$199,660	\$392,798	\$392,798	\$1,844,890
UC Settlement (LRDP)	147 (489)	\$0	\$21,219	\$555,128	\$160,829	\$0	\$737,176
Measure T1 Infrastructure Bond	511 (607)	\$3,452,571	\$0	\$2,000,000	\$2,000,000	\$1,000,000	\$8,452,571
Capital Improvement Fund	501 (610)	\$5,743,662	\$6,770,000	\$5,510,000	\$5,510,000	\$5,510,000	\$29,043,662
Bay Area Air Quality Management District	338 (613)	\$60,000	\$60,000	\$60,000	\$0	\$0	\$180,000
MTC	339 (614)	\$0	\$125,000	\$125,000	\$0	\$0	\$250,000
Private Party Sidewalks	149 (642)	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Caltrans	344 (674)	\$2,143,842	\$3,566,160	\$4,290,900	\$1,836,300	\$0	\$11,837,202
Zero Waste Fund	601 (820)	\$2,005,328	\$4,329,938	\$4,239,836	\$1,650,031	\$25,360,532	\$37,585,665
Sanitary Sewer Rehabilitation	611 (830)	\$17,265,619	\$20,019,884	\$20,738,750	\$17,478,631	\$20,003,551	\$95,506,435
Clean Storm Water	616 (831)	\$1,729,239	\$1,785,000	\$927,500	\$495,000	\$1,875,000	\$6,811,739
Off-Street Parking	627 (835)	\$800,000	\$0	\$0	\$0	\$0	\$800,000
Parking Meter Fund	631 (840)	\$350,000	\$0	\$0	\$0	\$0	\$350,000

Fund balance discrepancies are due to unallocated/contingency projects or debt service payments

**Parks, Recreation and Waterfront**  
**2020 - 2024 Capital Improvement Program**  
**Summary Fund Source and Use Report**

<b>Fund Name</b>	<b>Fund Number</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>5 Year Total</b>
<b>Camps Fund</b>	<b>125 (330)</b>	\$50,650,129	\$1,699,713	\$722,123	\$99,464	\$0	\$53,171,429
<b>Parks Tax Fund</b>	<b>138 (450)</b>	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
<b>Capital Improvement Fund</b>	<b>501 (610)</b>	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
<b>Measure T1</b>	<b>511 (607)</b>	\$11,313,678	\$1,149,457	\$0	\$0	\$0	\$12,463,135
<b>Marina Fund</b>	<b>608 (825)</b>	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000

Fund balance discrepancies are due to unallocated/contingency projects or debt service payments



## 2020 - 2024 Capital Improvement Program

Fund Name: General Fund

### Fund Source and Use Report

Fund Number 011 (010)

Fund Description: The primary fund of the City used to account for all revenues and expenditures of the City not legally restricted as to use.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$600,000	\$0	\$0	\$0	\$0	\$600,000
<b>Total Sources of Funds</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>

**Project Number**      **Capital Proposal Name**

EV Charging Station at Corp Yard and Marina (Alternative fuel vehicle replacement)	\$600,000	\$600,000
--	-----------	-----------

<b>Total Uses of Funds</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>
<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: State Transportation Tax

Fund Number 127 (369)

Fund Description: Funding apportioned to the City from the State-collected Gas Taxes, including Gas Excise Tax, for street maintenance, construction, and related engineering.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$665,303	\$747,584	\$665,303	\$665,303	\$665,303	\$3,408,796
<b>Total Sources of Funds</b>	<b>\$665,303</b>	<b>\$747,584</b>	<b>\$665,303</b>	<b>\$665,303</b>	<b>\$665,303</b>	<b>\$3,408,796</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
14TP05	Traffic Calming Devices Replacement and Maintenance	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$350,000
14ST06	Shattuck Reconfiguration Project	\$0	\$82,281	\$0	\$0	\$0	\$82,281
	Street Rehab	\$495,303	\$495,303	\$495,303	\$495,303	\$495,303	\$2,476,515
	Sidewalk Program	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
	<b>Total Uses of Funds</b>	<b>\$665,303</b>	<b>\$747,584</b>	<b>\$665,303</b>	<b>\$665,303</b>	<b>\$665,303</b>	<b>\$3,408,796</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** SB1 (Road Maintenance & Rehabilitation)

**Fund Number** 127 (369)

**Fund Description:** Funding apportioned to the City from the State-collected Gas Taxes, including Gas Excise Tax, for street maintenance, construction, and related engineering.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$1,500,000	\$1,700,000	\$1,700,000	\$2,000,000	\$2,000,000	\$8,900,000
<b>Total Sources of Funds</b>	<b>\$1,500,000</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$8,900,000</b>

**Capital**

Project Number	Proposal Name						
	Street Rehab	\$1,500,000	\$1,700,000	\$1,700,000	\$2,000,000	\$2,000,000	\$8,900,000
	<b>Total Uses of Funds</b>	<b>\$1,500,000</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$8,900,000</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Measure B - Local Street & Road

**Fund Number** 130 (391)

**Fund Description:** Measure B Funding apportioned to the City from Alameda County Transportation Commission. Fund sunsets in FY 2020, but will be continued via increased allocations via Measure BB funds

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$850,000	\$1,892,654	\$850,000	\$0	\$0	\$3,592,654
<b>Total Sources of Funds</b>	<b>\$850,000</b>	<b>\$1,892,654</b>	<b>\$850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,592,654</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
13TM01	Pavement Marking Program	\$150,000	\$150,000	\$150,000	\$0	\$0	\$450,000
14ST06	Shattuck Reconfiguration Project	\$0	\$189,442	\$0	\$0	\$0	\$189,442
15TP06	Sacramento/Hopkins & Sacramento/Allston Traffic Signals	\$0	\$2,583	\$0	\$0	\$0	\$2,583
18BP03	Sacramento St/North Berkeley BART Complete Sts	\$0	\$550,629	\$0	\$0	\$0	\$550,629
	Street Rehab	\$700,000	\$1,000,000	\$700,000			\$2,400,000
	<b>Total Uses of Funds</b>	<b>\$850,000</b>	<b>\$1,892,654</b>	<b>\$850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,592,654</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: Measure B - Bike & Ped

Fund Number 131 (392)

Fund Description: Measure B Funding apportioned to the City from Alameda County Transportation Commission. Fund sunsets in FY 2020, but will be continued via increased allocations via Measure BB funds

FY 2020      FY 2021      FY 2022      FY 2023      FY 2024      5 Year Total

<u>Source of Funds</u>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$117,517	\$359,023	\$203,882	\$0	\$0	\$680,422
<b>Total Sources of Funds</b>	<b>\$117,517</b>	<b>\$359,023</b>	<b>\$203,882</b>	<b>\$0</b>	<b>\$0</b>	<b>\$680,422</b>

Capital

Project Number	Proposal Name						
18BP02	Milvia Bikeway Project	\$76,000	\$345,690	\$0	\$0	\$0	\$421,690
	Citywide Bicycle Parking	\$13,334	\$13,333	\$13,333	\$0	\$0	\$40,000
	Transportation Impact Fee Nexus Study & Transportation Impact Study Guidelines	\$28,183	\$0	\$0	\$0	\$0	\$28,183
	Bike & Ped CIP (Unprogrammed)	\$0	\$0	\$190,549	\$0	\$0	\$190,549
	<b>Total Uses of Funds</b>	<b>\$117,517</b>	<b>\$359,023</b>	<b>\$203,882</b>	<b>\$0</b>	<b>\$0</b>	<b>\$680,422</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Measure F -  
Ala Ct VRF St & Rd

**Fund Number** 133 (397)

**Fund Description:** Revenue is generated from a vehicle registration fee in Alameda County to sustain the County's transportation network and reduce traffic congestion and vehicle related pollution.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$259,948	\$534,467	\$255,000	\$255,000	\$255,000	\$1,559,415
<b>Total Sources of Funds</b>	<b>\$259,948</b>	<b>\$534,467</b>	<b>\$255,000</b>	<b>\$255,000</b>	<b>\$255,000</b>	<b>\$1,559,415</b>

**Capital**

Project Number	Proposal Name						
14ST06	Shattuck Reconfiguration Project	\$0	\$279,467	\$0	\$0	\$0	\$279,467
09TM18	San Pablo/Ashby Intersection Traffic Signal Improvements	\$4,948	\$0	\$0	\$0	\$0	\$4,948
	Traffic Signals Improvement (Unallocated)						\$0
	Sidewalk Program	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
	Street Rehab (Complete Streets)	\$155,000	\$155,000	\$155,000	\$155,000	\$155,000	\$775,000
	<b>Total Uses of Funds</b>	<b>\$259,948</b>	<b>\$534,467</b>	<b>\$255,000</b>	<b>\$255,000</b>	<b>\$255,000</b>	<b>\$1,559,415</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Measure BB - Local Street & Road

**Fund Number:** 134 (406)

**Fund Description:** Measure BB Funding apportioned to the City from Alameda County Transportation Commission.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$3,094,983	\$4,026,015	\$2,822,212	\$3,688,629	\$3,705,537	\$17,337,375
<b>Total Sources of Funds</b>	<b>\$3,094,983</b>	<b>\$4,026,015</b>	<b>\$2,822,212</b>	<b>\$3,688,629</b>	<b>\$3,705,537</b>	<b>\$17,337,375</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
14ST06	Shattuck Reconfiguration Project	\$0	\$567,324	\$0	\$0	\$0	\$567,324
13TP01	Traffic Calming Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
13TM01	Pavement Marking Program	\$50,000	\$50,000	\$50,000	\$200,000	\$200,000	\$550,000
09TM18	San Pablo/Ashby Intersection Traffic Signal Improvements	\$76,000	\$0	\$0	\$0	\$0	\$76,000
15TP06	Sacramento/Hopkins & Sacramento/Allston Traffic Signals	\$0	\$952,417	\$0	\$0	\$0	\$952,417
16TP06	Traffic Signal Maintenance	\$515,800	\$531,274	\$547,212	\$563,629	\$580,537	\$2,738,452
	Transportation Impact Fee Nexus Study & Transportation Impact Study Guidelines	\$28,183	\$0	\$0	\$0	\$0	\$28,183
	Bike & Ped CIP (Contingency)	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
	Sidewalk Program	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
	Street Rehab	\$2,200,000	\$1,700,000	\$2,000,000	\$2,700,000	\$2,700,000	\$11,300,000
	<b>Total Uses of Funds</b>	<b>\$3,094,983</b>	<b>\$4,026,015</b>	<b>\$2,822,212</b>	<b>\$3,688,629</b>	<b>\$3,705,537</b>	<b>\$17,337,375</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	



## 2020 - 2024 Capital Improvement Program

**Fund Name:** Measure BB - Bike & Ped **Fund Source and Use Report**

**Fund Number** 135 (407)

**Fund Description:** Measure BB Funding apportioned to the City from Alameda County Transportation Commission.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$714,218	\$471,297	\$442,972	\$77,083	\$0	\$1,705,570
<b>Total Sources of Funds</b>	<b>\$714,218</b>	<b>\$471,297</b>	<b>\$442,972</b>	<b>\$77,083</b>	<b>\$0</b>	<b>\$1,705,570</b>

**Capital**

<b>Project Number</b>	<b>Proposal Name</b>						
14ST06	Shattuck Reconfiguration Project	\$118,354	\$31,646	\$0	\$0	\$0	\$150,000
17BP07	Ninth Street Pathway Phase II	\$83,557	\$0	\$0	\$0	\$0	\$83,557
18BP02	Milvia Bikeway Project	\$0	\$0	\$416,310	\$0	\$0	\$416,310
09TM18	San Pablo/Ashby Intersection Traffic Signal Improvements	\$212,390	\$0	\$0	\$0	\$0	\$212,390
18BP03	Sacramento St/North Berkeley BART Complete Sts	\$273,253	\$412,987	\$0	\$0	\$0	\$686,240
17TP01	Southside Complete Streets	\$0	\$0	\$0	\$77,083	\$0	\$77,083
	Citywide Bicycle Parking	\$26,664	\$26,664	\$26,662	\$0	\$0	\$79,990
	<b>Total Uses of Funds</b>	<b>\$714,218</b>	<b>\$471,297</b>	<b>\$442,972</b>	<b>\$77,083</b>	<b>\$0</b>	<b>\$1,705,570</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Streetlight Assmt District

**Fund Number** 142 (470)

**Fund Description:** Street lighting special assessment district to be used for maintenance and/or servicing of existing and future public lighting facilities, and the installation or construction of public lighting for the maintenance of servicing thereof.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$416,608	\$443,026	\$199,660	\$392,798	\$392,798	\$1,844,890
<b>Total Sources of Funds</b>	<b>\$416,608</b>	<b>\$443,026</b>	<b>\$199,660</b>	<b>\$392,798</b>	<b>\$392,798</b>	<b>\$1,844,890</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
	City Streetlight Program	\$416,608	\$443,026	\$199,660	\$392,798	\$392,798	\$1,844,890
	<b>Total Uses of Funds</b>	<b>\$416,608</b>	<b>\$443,026</b>	<b>\$199,660</b>	<b>\$392,798</b>	<b>\$392,798</b>	<b>\$1,844,890</b>

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: UC Settlement (LRDP)

Fund Number 147 (489)

Fund Description:

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$0	\$21,219	\$555,128	\$160,829	\$0	\$737,177
<b>Total Sources of Funds</b>	<b>\$0</b>	<b>\$21,219</b>	<b>\$555,128</b>	<b>\$160,829</b>	<b>\$0</b>	<b>\$737,177</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
17TP01	Southside Complete Streets	\$0	\$21,219	\$555,128	\$160,829	\$0	\$737,177
	<b>Total Uses of Funds</b>	<b>\$0</b>	<b>\$21,219</b>	<b>\$555,128</b>	<b>\$160,829</b>	<b>\$0</b>	<b>\$737,177</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Measure T1 Infrastructure Bond

**Fund Number** 511 (607)

**Fund Description:** Measure T1 Infrastructure Bond Funding

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$656,421	\$656,421	\$656,421	-\$1,343,579	-\$3,343,579	-\$2,717,895
Available Capital Funding	\$3,452,571					\$3,452,571
<b>Total Sources of Funds</b>	<b>\$4,108,992</b>	<b>\$656,421</b>	<b>\$656,421</b>	<b>-\$1,343,579</b>	<b>-\$3,343,579</b>	<b>\$734,676</b>

**Capital**

Project Number	Proposal Name					
<a href="#"><u>T1PW01/18CB01</u></a>	North Berkeley Senior Center	\$0				\$0
<a href="#"><u>T1PW02</u></a>	Old City Hall	\$0				\$0
<a href="#"><u>T1PW03</u></a>	Veterans Buildings	\$148,215				\$148,215
<a href="#"><u>T1PW05</u></a>	Berkeley Rose Garden Drainage	\$679,239				\$679,239
<a href="#"><u>T1PW07/</u></a> <a href="#"><u>T1PW08</u></a>	T1 Streets	\$2,554,888				\$2,554,888
<a href="#"><u>T1PW09</u></a>	Corporation Yard	\$50,467				\$50,467
<a href="#"><u>T1PW11</u></a>	Berkeley (Ann Chandler) Public Health Clinic	\$0				
<a href="#"><u>14CB05</u></a>	Mental Health Building Renovation/Clinic	\$0				
<a href="#"><u>PSB</u></a>	Public Safety Building	\$19,762				\$19,762
	* Sidewalk 50/50 Program Catch-Up			\$2,000,000	\$2,000,000	\$1,000,000
						\$5,000,000
	<b>Total Uses of Funds</b>	<b>\$3,452,571</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$1,000,000</b>
	<b>Ending Fund Balance</b>	<b>\$656,421</b>	<b>\$656,421</b>	<b>-\$1,343,579</b>	<b>-\$3,343,579</b>	<b>-\$4,343,579</b>

\*Negative balances are shown for FY 2022, FY 2023 and FY 2024 because funding is proposed from the second phase of T1 bond monies. Approval for the use of these funds has not been determined.

# 2020 - 2024 Capital Improvement Program

## Fund Source and Use Report

**Fund Name:** Capital Improvement Fund

**Fund Number** 501 (610)

**Fund Description:**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$5,743,662	\$6,770,000	\$5,510,000	\$5,510,000	\$5,510,000	\$29,043,662
<b>Total Sources of Funds</b>	<b>\$5,743,662</b>	<b>\$6,770,000</b>	<b>\$5,510,000</b>	<b>\$5,510,000</b>	<b>\$5,510,000</b>	<b>\$29,043,662</b>

**Capital**

Project Number	Proposal Name						
13TP01	Traffic Calming Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
09TM18	San Pablo/Ashby Intersection Traffic Signal Improvements	\$606,662	\$0	\$0	\$0	\$0	\$606,662
18BP03	Sacramento St/North Berkeley BART Complete Sts	\$47,000	\$0	\$0	\$0	\$0	\$47,000
	Buidling Assessment (continuous)	\$70,000	\$73,500	\$74,900	\$78,645	\$82,577	\$379,622
	Civic Center Carpet Replacement	\$440,000	\$462,000	\$485,100			\$1,387,100
	Fire Station 6 Drill Tower	\$45,000					\$45,000
	ADA Transition Plan Implementation		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000
	Hazmat Storage Upgrade	\$35,000					\$35,000
	Marina Parking Enforcement/Traffic PD and Parking Lot	\$250,000					\$250,000

# 2020 - 2024 Capital Improvement Program

## Fund Source and Use Report

<b>Fund Name:</b>	<b>Capital Improvement Fund (Continued)</b>					
<b>Fund Number</b>	<b>501 (610)</b>					
Roof Replacement	\$290,000	\$240,000	\$240,000	\$240,000	\$240,000	\$1,250,000
ADA Building Improvements	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Emergency Building Repairs		\$24,500		\$421,355	\$417,423	\$863,278
Deferred Building Maintenance				\$60,000	\$60,000	\$120,000
Undergrounding District 48 - Grizzly Peak	\$250,000	\$260,000				\$510,000
Sidewalk Program (baseline)	\$635,000	\$635,000	\$635,000	\$635,000	\$635,000	\$3,175,000
Sidewalk Program (proposed)	\$1,000,000	\$2,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$6,000,000
Street Rehab	\$1,925,000	\$1,925,000	\$1,925,000	\$1,925,000	\$1,925,000	\$9,625,000
<b>Total Uses of Funds</b>	<b>\$5,743,662</b>	<b>\$6,770,000</b>	<b>\$5,510,000</b>	<b>\$5,510,000</b>	<b>\$5,510,000</b>	<b>\$29,043,662</b>
<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Bay Area Air Quality Management District

**Fund Number** 338 (613)

**Fund Description:**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$60,000	\$60,000	\$60,000	\$0	\$0	\$180,000
<b>Total Sources of Funds</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$180,000</b>

**Capital**

Project Number	Proposal Name						
	Citywide Bicycle Parking	\$60,000	\$60,000	\$60,000	\$0	\$0	\$180,000
	<b>Total Uses of Funds</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$180,000</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: MTC

Fund Number 339 (614)

Fund Description:

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$0	\$125,000	\$125,000	\$0	\$0	\$250,000
<b>Total Sources of Funds</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

**Capital**

Project  
Number

Proposal Name

Bicycle Plan 2022	\$0	\$125,000	\$125,000	\$0	\$0	\$250,000
<b>Total Uses of Funds</b>	<b>\$0</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>



## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Private Party Sidewalks

**Fund Number** 149 (642)

**Fund Description:**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
<b>Total Sources of Funds</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$500,000</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
	Sidewalk 50/50 Program	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
	<b>Total Uses of Funds</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$500,000</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

# 2020 - 2024 Capital Improvement Program

## Fund Source and Use Report

Fund Name: Caltrans

Fund Number 344 (674)

Fund Description:

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$2,143,842	\$3,566,160	\$4,290,900	\$1,836,300	\$0	\$11,837,202
<b>Total Sources of Funds</b>	<b>\$2,143,842</b>	<b>\$3,566,160</b>	<b>\$4,290,900</b>	<b>\$1,836,300</b>	<b>\$0</b>	<b>\$11,837,202</b>

### Capital

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
18BP02	Milvia Bikeway Project	\$273,000	\$3,072,800	\$6,200	\$0	\$0	\$3,352,000
18BP03	Sacramento St/North Berkeley BART Complete Sts	\$1,364,202	\$0	\$0	\$0	\$0	\$1,364,202
17TP01	Southside Complete Streets	\$506,640	\$493,360	\$4,284,700	\$1,836,300	\$0	\$7,121,000
	<b>Total Uses of Funds</b>	<b>\$2,143,842</b>	<b>\$3,566,160</b>	<b>\$4,290,900</b>	<b>\$1,836,300</b>	<b>\$0</b>	<b>\$11,837,202</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

# 2020 - 2024 Capital Improvement Program

## Fund Source and Use Report

Fund Name: Zero Waste Fund

Fund Number 601 (820)

Fund Description:

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$2,005,328	\$4,329,938	\$4,239,836	\$1,650,031	\$25,360,532	\$37,585,665
<b>Total Sources of Funds</b>	<b>\$2,005,328</b>	<b>\$4,329,938</b>	<b>\$4,239,836</b>	<b>\$1,650,031</b>	<b>\$25,360,532</b>	<b>\$37,585,665</b>

Project Number	Capital Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
	Transfer Station-- CEQA Process	\$1,200,000	\$3,000,000	\$800,000			\$5,000,000
	Transfer Station-- GeoTech Work	\$100,000	\$700,000	\$200,000			\$1,000,000
	Transfer Station-- Final Design Work		\$300,000	\$2,900,000	\$800,000		\$4,000,000
	Transfer Station-- Construction				\$500,000	\$25,000,000	\$25,500,000
	Landfill Postclosure Monitoring (routine)	\$167,000	\$172,010	\$177,170	\$182,485	\$187,960	\$886,625
	Closed Landfill Maintenance and Monitoring (non-routine)	\$153,328	\$157,928	\$162,666	\$167,546	\$172,572	\$814,040
	AirCo. Building ("City Facility")	\$385,000					\$385,000
	<b>Total Uses of Funds</b>	<b>\$2,005,328</b>	<b>\$4,329,938</b>	<b>\$4,239,836</b>	<b>\$1,650,031</b>	<b>\$25,360,532</b>	<b>\$37,585,665</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program Fund Source and Use Report

Fund Name: Sanitary Sewer Rehabilitation

Fund Number 611 (830)

Fund Description: Rehabilitate sanitary sewer mains and the associated manholes, sewer laterals and related work

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$17,265,619	\$20,019,884	\$20,738,750	\$17,478,631	\$20,003,551	\$95,506,435
<b>Total Sources of Funds</b>	<b>\$17,265,619</b>	<b>\$20,019,884</b>	<b>\$20,738,750</b>	<b>\$17,478,631</b>	<b>\$20,003,551</b>	<b>\$95,506,435</b>

**Capital**

Project Number	Proposal Name	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
20SR01	San Pablo (City's Limit to Limit)	\$3,256,112					\$3,256,112
20SR02	Neilson, Berryman, et al	\$4,515,649					\$4,515,649
20SR03	Seawall Dr, Seventh St, et al	\$5,099,864					\$5,099,864
20SR04	West Frontage (Caltrans ROW)	\$182,617	\$494,472				\$677,089
20SR05	Urgent Repairs FY 2020	\$503,457					\$503,457
20SR06	MH Rehab FY 2020	\$503,457					\$503,457
21SR01	Parker St, MLK Wy, et al	\$1,035,441	\$6,398,497				\$7,433,939
21SR02	MLK Wy, Cedar St, et al	\$782,526	\$4,835,608				\$5,618,133
21SR03	Walnut St, The Alameda, et al	\$593,927	\$3,670,163				\$4,264,089
21SR04	Urgent Repairs FY 2021	\$84,731	\$523,595				\$608,326
21SR05	MH Rehab FY 2021	\$84,731	\$523,595				\$608,326

**Fund Name: Sanitary Sewer Rehabilitation (Continued)**

19SR08	Sanitary Sewer Master Plan	\$623,106	\$189,053			\$812,159	
21SR06	Condition Assessment (CCTV) FY 2021		\$486,661			\$486,661	
22SR01	Shattuck Ave (Vine - Parker)		\$1,458,943	\$9,015,520		\$10,474,463	
22SR02	Cragmont Ave, Alvarado Rd, et al		\$708,881	\$4,380,520		\$5,089,401	
22SR03	Euclid Ave, Grizzly Peak Blv, et al		\$554,175	\$3,424,520		\$3,978,695	
22SR04	Urgent Repair FY 2022		\$88,120	\$544,539		\$632,660	
22SR05	MH Rehab FY 2022		\$88,120	\$544,539		\$632,659	
22SR06	Condition Assessment (CCTV) FY 2022			\$506,128		\$506,128	
23SR01	Piedmont Ave, Woolsey St, et al			\$704,887	\$4,355,839	\$5,060,725	
23SR02	Spruce St, Eunice St, et al			\$805,011	\$4,974,553	\$5,779,564	
23SR03	Tanglewood Rd, La Loma Ave, et al			\$629,797	\$3,891,824	\$4,521,621	
23SR04	Urgent Repair FY 2023			\$91,645	\$566,321	\$657,966	
23SR05	MH Rehab FY 2023			\$91,645	\$566,321	\$657,966	
23SR06	Condition Assessment (CCTV) FY 2023				\$526,373	\$526,373	
24SR01	Poppy Ln, Keeler Ave, et al				\$661,049	\$4,084,944	\$4,745,993
24SR02	Hearst Ave, Euclid Ave, et al				\$681,690	\$4,212,495	\$4,894,185
24SR03	Adeline St, Parnasus Rd, et al				\$1,064,040	\$6,575,220	\$7,639,260
24SR04	Urgent Repair FY 2024				\$95,311	\$588,973	\$684,285
24SR05	MH Rehab FY 2024				\$95,311	\$588,973	\$684,285
24SR06	Condition Assessment (CCTV) FY 2024					\$547,428	\$547,428
FY 2025 Design Costs						\$3,405,518 *	\$3,405,518
<b>Total Uses of Funds</b>		<b>\$17,265,619</b>	<b>\$20,019,884</b>	<b>\$20,738,750</b>	<b>\$17,478,631</b>	<b>\$20,003,551</b>	<b>\$95,506,435</b>
<b>Ending Fund Balance</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

\*Only design costs for FY2025 CIP Projects to hit in FY 2024. FY 2025 CIP Projects to be included in FY2022-FY2023 CIP Budget Book.

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Clean Storm Water

**Fund Number** 616 (831)

**Fund Description:**

FY 2020      FY 2021      FY 2022      FY 2023      FY 2024      5 Year Total

<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$1,050,000	\$1,785,000	\$927,500	\$495,000	\$1,875,000	\$6,132,500
<b>Total Sources of Funds</b>	<b>\$1,050,000</b>	<b>\$1,785,000</b>	<b>\$927,500</b>	<b>\$495,000</b>	<b>\$1,875,000</b>	<b>\$6,132,500</b>

<b>Project Number</b>	<b><u>Capital</u> Proposal Name</b>					
	Storm Drain Green Infrastructure	\$225,000	\$125,000	\$600,000		\$950,000
	Storm Drain Planning and Studies	\$750,000	\$525,000	\$287,500	\$0	\$0
	Storm Drain Major Repair	\$75,000	\$1,135,000	\$40,000	\$495,000	\$1,875,000
	<b>Total Uses of Funds</b>	<b>\$1,050,000</b>	<b>\$1,785,000</b>	<b>\$927,500</b>	<b>\$495,000</b>	<b>\$1,875,000</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: Off-Street Parking

Fund Number 627 (835)

Fund Description:

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b><u>Source of Funds</u></b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$800,000	\$0	\$0	\$0	\$0	\$800,000
<b>Total Sources of Funds</b>	<b>\$800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$800,000</b>

**Capital**

Project Number	Proposal Name						
	Telegraph Channing Garage Elevator Replacement	\$800,000	\$0	\$0	\$0	\$0	\$800,000
	<b>Total Uses of Funds</b>	<b>\$800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$800,000</b>
	<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Parking Meter Fund

**Fund Number** 631 (840)

**Fund Description:**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
Available Capital Funding	\$350,000	\$0	\$0	\$0	\$0	\$350,000
<b>Total Sources of Funds</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$350,000</b>

		<u>Capital</u> Proposal Name				
Project Number						
		Marina Parking Enforcement/Traffic PD and Parking Lot	\$350,000			\$350,000
		<b>Total Uses of Funds</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
		<b>Ending Fund Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

#### Camps Fund

Fund Number 125

Fund Descrip: Deriving revenue from registration and miscellaneous fees for the purpose of operating the City's vacation camp and day camps.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Available Capital Funding	\$50,650,129	\$1,699,713	\$722,123	\$99,464	\$0	\$53,171,429

#### Capital

Project Number Proposal Name

PRWEM16004	Cazadero Camp	\$854,306	\$0	\$0	\$0	\$0	\$854,306
14EM01 / 08CP01 / 18CP01 / tbd	Berkeley Tuolumne Camp (BTC)	\$49,795,822	\$1,699,713	\$722,123	\$99,464	\$0	\$52,317,123
<b>Total Uses of Funds</b>		<b>\$50,650,129</b>	<b>\$1,699,713</b>	<b>\$722,123</b>	<b>\$99,464</b>	<b>\$0</b>	<b>\$53,171,429</b>
<b>Ending Fund Balance</b> <input type="checkbox"/>							

Note: these projects will be funded by Insurance, FEMA, CalOES, and donation proceeds

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: **Parks Tax Fund- recurring capital allocation**

Fund Number **138**

Fund Descrip: **Used for maintenance and improvements of existing and future public landscaping and parks.**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Available Capital Funding	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000

**Capital**

**Project Number Proposal Name**

na	Gilman Reserve/ Facility Assmt./ Sewer-Laterals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
tbd	Cedar Rose Tennis Court	\$400,000	\$0	\$0	\$0	\$0	\$400,000
tbd	W. Campus Pool Filter	\$175,000	\$0	\$0	\$0	\$0	\$175,000
PRWT119012	Rose Garden-Phase II (see Meas. T1 proj wksht)	\$50,000	\$0	\$0	\$0	\$0	\$50,000
PRWT119009	San Pablo Play Equipment (see Meas. T1 proj wksht)	\$100,000	\$0	\$0	\$0	\$0	\$100,000
PRWT119008	George Florence Play Equipment (see Meas. T1 proj wksht)	\$125,000	\$0	\$0	\$0	\$0	\$125,000
tbd	King School Park Play Area	\$50,000	\$0	\$0	\$0	\$0	\$50,000
tbd	Grove Park Play Equipment	\$0	\$200,000	\$0	\$0	\$0	\$200,000
tbd	Skate Park Fencing Improvement	\$0	\$300,000	\$0	\$0	\$0	\$300,000
tbd	John Hinkel-Play Area	\$0	\$400,000	\$0	\$0	\$0	\$400,000
tbd	Unallocated			\$900,000	\$900,000	\$900,000	\$2,700,000
<b>Total Uses of Funds</b>		<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$5,000,000</b>
<b>Ending Fund Balance</b> <input type="checkbox"/>							

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Capital Improvement Fund- recurring capital allocation

**Fund Number** 501

**Fund Descrip:** To facilitate expenditures for land, buildings, for major reconstruction and renovation of structures, and for major landscaping or park improvements.

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Available Capital Funding	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000

**Capital**

**Project  
Number**

**Proposal Name**

PRWT119012	Rose Garden-Phase II (see Meas. T1 proj wksht)	\$100,000	\$0	\$0	\$0	\$0	\$100,000
PRWT119009	San Pablo Play Structure (see Meas. T1 proj wksht)	\$300,000	\$0	\$0	\$0	\$0	\$300,000
tbd	Grove Park Play Equipment	\$0	\$200,000	\$0	\$0	\$0	\$200,000
tbd	Aquatic Park Dream Land Improvements	\$0	\$200,000	\$0	\$0	\$0	\$200,000
tbd	Unallocated	\$0	\$0	\$400,000	\$400,000	\$400,000	\$1,200,000
<b>Total Uses of Funds</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,000,000</b>
<b>Ending Fund Balance</b>							

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

**Fund Name:** Measure T1 - Infrastructure and facilities bond

**Fund Number:** 511

**Fund Description:** Improving existing city infrastructure and facilities

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Available Capital Funding	\$11,313,678	\$1,149,457	\$0	\$0	\$0	\$12,463,135

**Capital**

Project Number	Proposal Name						
<a href="#">PRWT119001</a>	AQUATIC PARK TIDE TUBES	\$220,835	\$0	\$0	\$0	\$0	\$220,835
<a href="#">PRWT119003</a>	FRANCES ALBRIER COMMUNITY CENTER	\$425,000	\$215,162	\$0	\$0	\$0	\$640,162
<a href="#">PRWT119004</a>	GROVE PARK PHASE 2	\$880,325	\$0	\$0	\$0	\$0	\$880,325
<a href="#">PRWT119005</a>	LIVE OAK COMMUNITY CENTER	\$4,232,106	\$0	\$0	\$0	\$0	\$4,232,106
<a href="#">PRWT119006</a>	UNIVERSITY AVE, MARINA, SPINNAKER ST	\$2,056,908	\$934,295	\$0	\$0	\$0	\$2,991,203
<a href="#">PRWT119007</a>	MUNICIPAL PIER	\$83,022	\$0	\$0	\$0	\$0	\$83,022
<a href="#">PRWT119008</a>	GEORGE FLORENCE PLAY STRUC	\$531,703	\$0	\$0	\$0	\$0	\$531,703
<a href="#">PRWT119009</a>	SAN PABLO PLAY EQUIP	\$1,037,505	\$0	\$0	\$0	\$0	\$1,037,505
<a href="#">PRWT119011</a>	STRAWBERRY CREEK PARK PH 2	\$345,835	\$0	\$0	\$0	\$0	\$345,835
<a href="#">PRWT119012</a>	ROSE GRDN PTHWAYS, TENNIS CRT, PERG	\$1,131,389	\$0	\$0	\$0	\$0	\$1,131,389
<a href="#">PRWT119014</a>	GILMAN N. FLDHOSE/RSTRM	\$197,025	\$0	\$0	\$0	\$0	\$197,025
<a href="#">PRWT119016</a>	WILLARD CLUBHOUSE RENO	\$172,025	\$0	\$0	\$0	\$0	\$172,025
<b>Total Uses of Funds</b>		<b>\$11,313,678</b>	<b>\$1,149,457</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,463,135</b>
<b>Ending Fund Balance</b>							

## 2020 - 2024 Capital Improvement Program

### Fund Source and Use Report

Fund Name: **Marina Fund - recurring capital allocation**

Fund Number **608**

Fund Descrip: **Established to meet all expenditures for infrastructure, maintenance and services at the Berkeley Marina.**

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5 Year Total
<b>Source of Funds</b>						
Available Capital Funding	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000

**Capital**

Project	Proposal Name						
tbd	Finger Dock & Piling Replacement	\$250,000	\$100,000	\$0	\$0	\$0	\$350,000
tbd	Sewer Lateral Work	\$100,000	\$0	\$0	\$0	\$0	\$100,000
tbd	Restroom Upgrades	\$0	\$250,000	\$0	\$0	\$0	\$250,000
tbd	Maintenance - Unallocated Project			\$350,000	\$350,000	\$350,000	\$1,050,000
<b>Total Uses of Funds</b>		<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$1,750,000</b>
<b>Ending Fund Balance</b>							



This page left intentionally blank

## UNFUNDED CAPITAL

### Summary of All Capital Assets and Infrastructure

The City has an extensive portfolio of capital assets and infrastructure, which includes 95 public buildings, 254 miles of public sanitary sewer mains and 130 miles of public sewer laterals, 52 parks, 2 pools, 3 camps, and 42 different facilities served by the City's IT systems. Maintaining these assets is a costly and time-consuming enterprise that requires significant resources and constant attention. Additionally, Berkeley is an aging city and thus its infrastructure faces challenges that other younger cities do not.

Several recent actions by the voters have provided an important boost to the resources available for meeting these challenges:

- In November 2016, Berkeley voters passed [Measure T1](#),<sup>1</sup> authorizing the City to sell \$100 million of General Obligation Bonds to repair, renovate, replace, or reconstruct the City's aging infrastructure and facilities, including sidewalks, storm drains, parks, streets, senior and recreation centers, and other important City facilities and buildings. Council has approved 33 projects to be completed in Phase 1, spanning 2017 to 2021. These projects are [now underway](#).<sup>2</sup>
- The November 2014 voter approval of Measure F (a Citywide special parks parcel tax) provided an additional \$750,000 per year for major maintenance projects, raising annual funding for parks capital and major maintenance projects from the prior \$250,000 to \$1 million.
- In November 2012, Berkeley voters approved Measure M (a general obligation bond), to provide an additional \$30 million towards improving the condition of city streets and where appropriate, install Green Infrastructure projects as defined in the Watershed Master Plan.
- In November 2014, Alameda County voters approved Measure BB (a property tax assessment), increasing funding for local transportation enhancements. Berkeley's allocation is approximately \$2.6 million annually and is applied to improving the pavement condition and specific street/transportation improvement projects.

Despite these measures, City facilities and infrastructure needs continue to exceed available funds. The minimum unfunded needs in parks, pools and camps exceed \$71 million. The amount of recurring funding to address these needs has been bolstered by

---

<sup>1</sup> See <https://www.cityofberkeley.info/MeasureT1/>.

<sup>2</sup> See <https://www.cityofberkeley.info/MeasureT1Updates.aspx>.

## UNFUNDED CAPITAL

the passage of Measure F, but is still only \$1.4 million per year. The unfunded needs at the Waterfront exceed \$109 million. There is only \$500,000/year of Marina Funds being allocated to address to those needs, and even this level of investment is at risk given the Marina Fund’s projected insolvency within two years. Significantly more investment is needed to stabilize the Fund and address the growing backlog of deteriorating infrastructure. The unfunded needs in streets, sidewalks, storm drain/watershed, transportation and buildings/facilities exceeds \$510 million. The amount of recurring funding to address these needs is \$9.67 million.

These costs will continue to increase through typical wear and tear on our City infrastructure in the coming years, plus the pressures of long-deferred maintenance. As needed improvements continue to be deferred, operating and maintenance costs rise and rehabilitation and replacement costs increase substantially. The figures in Attachment 3 do not account for these additional cost escalators.

### a. Parks, Waterfront, Pools, and Camps

The Parks, Recreation & Waterfront Department (PRW) operates, maintains and manages 52 parks, 4 community centers, 2 clubhouses, 2 pools, 3 resident camps, 15 sports fields, 49 sports courts, 63 play areas, 36 picnic areas, 35,000 street trees and park trees, 152 landscaped street medians and triangles, 263 street irrigation systems, and 29 restrooms and out-buildings. In addition, PRW operates and maintains the Berkeley Waterfront and its related facilities, including the docks, pilings, channel, streets, pathways, parking lots, buildings, trails, Adventure Playground, and 1,000 boat and berth rentals.

Recurring funding available for capital and major maintenance of these facilities is \$1.9M, (see table below).

#### **Annual Funding for Parks, Waterfront, Pools & Camps Capital & Major Maintenance Needs**

<b>Funding Source</b>	<b>Annual Funding</b>
Parks Tax Fund	\$1,000,000
Capital Improvement Fund	\$400,000
Marina Fund	\$500,000
Camps Fund <sup>3</sup>	\$0
<b>Total Funding Available</b>	<b>\$1,900,000</b>

Unfunded needs in these facilities are summarized in the table below, and available in detail at

---

<sup>3</sup> Due to the loss of Berkeley Tuolumne Camp, the Camps Fund does not have sufficient funds at this time to cover any annual investment in capital or major maintenance.



## UNFUNDED CAPITAL

[http://www.cityofberkeley.info/Parks\\_Rec\\_Waterfront/Home/Unfunded\\_Capital\\_Projects\\_List.aspx](http://www.cityofberkeley.info/Parks_Rec_Waterfront/Home/Unfunded_Capital_Projects_List.aspx).

### Unfunded Needs in Parks, Waterfront, Pools & Camps Facilities and Infrastructure

Needed Improvements	Cost Estimate
Resident Camps	\$3,355,000
Waterfront	\$109,987,000
Pools	\$7,050,000
Park Buildings/Facilities	\$6,981,800
Parks (General)	\$9,900,000
Parks (Specific)	\$36,962,000
Park Restrooms	\$7,300,000
<b>Total</b>	<b>\$181,535,800</b>

The majority of these unfunded needs are at the Waterfront, where many of the docks, pilings, buildings, parking lots and streets have reached the end of their useful life and are starting to fail. As documented in multiple reports over the last year<sup>4</sup>, there is a diminishing ability to pay for the pressing capital needs in the Waterfront. The Marina Fund, which is the City’s mechanism for managing all Waterfront revenues and expenditures, is projected to be insolvent by 2020. Revenues steeply declined in the last two years as a result of safety and security concerns and failing infrastructure. The combination of falling revenue and increasing expenditure needs have strained the relatively small Marina Fund to a breaking point.

The City has begun a long-term planning effort – the Berkeley Marina Area Specific Plan – to establish the community’s vision for the Waterfront and a plan for making the Marina Fund viable and stable. There is still a need to address an estimated \$10.33 million in urgent infrastructure repairs to finger docks, pilings, electrical systems, and restrooms. If these investments are not made, facilities and infrastructure will either require more costly emergency funding or be closed as in the case of the Berkeley Pier.

<sup>4</sup> See December 13, 2018 Off-Agenda Memo ([https://www.cityofberkeley.info/uploadedFiles/Clerk/Level\\_3\\_-\\_General/Marina%20Fund%20Update%20121318.pdf](https://www.cityofberkeley.info/uploadedFiles/Clerk/Level_3_-_General/Marina%20Fund%20Update%20121318.pdf)); November 15, 2018 Worksession Report ([https://www.cityofberkeley.info/Clerk/City\\_Council/2018/11\\_Nov/Documents/2018-11-15\\_WS\\_Item\\_02\\_Parks\\_Recreation\\_Waterfront\\_pdf.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2018/11_Nov/Documents/2018-11-15_WS_Item_02_Parks_Recreation_Waterfront_pdf.aspx)); July 1, 2018 Off-Agenda Report ([https://www.cityofberkeley.info/uploadedFiles/Clerk/Level\\_3\\_-\\_General/CM%20Update%20-%20Waterfront%20-%20Hs%20%20Lordships%20\(w%20attachments\).pdf](https://www.cityofberkeley.info/uploadedFiles/Clerk/Level_3_-_General/CM%20Update%20-%20Waterfront%20-%20Hs%20%20Lordships%20(w%20attachments).pdf)); May 8, 2018 Worksession Report ([https://www.cityofberkeley.info/Clerk/City\\_Council/2018/05\\_May/Documents/2018-05-08\\_WS\\_Item\\_03\\_Parks,\\_Recreation,\\_Waterfront.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2018/05_May/Documents/2018-05-08_WS_Item_03_Parks,_Recreation,_Waterfront.aspx)); May 8, 2018 Proposed Budget Update ([https://www.cityofberkeley.info/Clerk/City\\_Council/2018/05\\_May/Documents/2018-05-08\\_WS\\_Item\\_01\\_FY\\_2019\\_Proposed\\_Budget\\_Update.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2018/05_May/Documents/2018-05-08_WS_Item_01_FY_2019_Proposed_Budget_Update.aspx)); April 12, 2018 Off-Agenda Report ([https://www.cityofberkeley.info/uploadedFiles/Clerk/Level\\_3\\_-\\_General/Marina%20Fund%20Update%20041218.pdf](https://www.cityofberkeley.info/uploadedFiles/Clerk/Level_3_-_General/Marina%20Fund%20Update%20041218.pdf)); and November 7, 2017 Worksession Report ([https://www.cityofberkeley.info/Clerk/City\\_Council/2017/11\\_Nov/Documents/2017-11-07\\_WS\\_Item\\_02\\_Parks,\\_Recreation\\_and\\_Waterfront\\_CIP.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2017/11_Nov/Documents/2017-11-07_WS_Item_02_Parks,_Recreation_and_Waterfront_CIP.aspx)).

## UNFUNDED CAPITAL

Waterfront customers will continue to leave the Berkeley Marina, continuing the downward spiral of revenue loss and blight.

### **b. Public Buildings**

The following is a preliminary cost estimate of capital improvements and major maintenance for City facilities over the next 5 years. The City is responsible for maintenance of 95 facilities, not including Library facilities and facilities leased to other entities, which were not part of this analysis. These 95 facilities include: 39 facilities in the Parks Recreation and Waterfront inventory and 56 facilities in the Public Works inventory.

In 2013, staff retained the professional services of Kitchell Consulting to perform new assessments and provide updated condition reports and cost estimates for the City's facility inventory. All projects included in these assessments are considered either major maintenance or capital projects. Major maintenance projects typically involve improvements to a facility at a cost of up to \$50,000 that are over and above the industry norm for routine maintenance services. Capital projects involve the construction of new or restored facilities or improvements to existing facilities at a cost of \$50,000 or more. Routine maintenance projects are defined as projects involving repairs to minor components at existing facilities including plumbing, electrical, HVAC, painting etc., and are not included in this report.

Despite support from a variety of City funds, the cost for routine maintenance, major maintenance, and capital improvements far exceeds currently existing sources of funds. The current estimated cost for city facility needs within the 5-Year Facility Capital Improvement Program is estimated at approximately \$85 million, while the current budget allocation for this work is \$4 million; which results in an estimated unfunded liability of \$81 million. As noted earlier, the facility maintenance program budgeted amount does not include future T1 bond funds as specific projects have not yet been allocated funding.

### **c. Streets & Roads**

On November 15, 2011, the City Auditor presented Council with an Audit on the condition of the City's 216 centerline miles of improved streets. A principle recommendation of the audit was the adoption of a Pavement Condition Index (PCI) ratings goal. On May 29, 2012, Council included a goal of a PCI of 75 in five years in its request for a report on long-term obligations.

Using the StreetSaver system software and the current projections for future funding, it is now estimated that the City would need to allocate an additional \$120 million to achieve a PCI of 70 within ten years. An additional \$50 million could be added to the

## UNFUNDED CAPITAL

\$120 million needed strictly for paving to represent the full cost of improving city streets to comply with the City's Complete Streets policy, which prescribes that capital transportation projects accommodate the needs of all roadway users. This funding would go towards improvements adjacent to the main paving project, including sidewalks, storm drains, curb ramps, and green infrastructure. The total \$170 million gap in funding exists in spite of \$30 million received from Measure M, approved by Berkeley voters in 2012 to improve the condition of City streets and install Green Infrastructure projects. Utilizing solely recurring local sources of funding, including Measure BB, Vehicle Registration Fees (VRF), State Transportation Tax, and including \$8.5 million of T1 Phase 1 funds, the projected PCI within five years is projected to drop from 55 to 52, far short of the original target of 75. In order to merely maintain the City's PCI after one-time bond funds are expended, it will be necessary to identify additional annual funding for the pavement management program.

### **d. Sidewalks**

The City manages sidewalk repair programs to keep the City's sidewalks safe and provide for safe pedestrian passage, including make-safe repairs, annual proactive and responsive repair programs, and the City's 50/50 replacement cost-share program in which the City shares the liability and costs for broken sidewalks with property owners. Public Works operations staff responds to all reported sidewalk hazards, assesses each situation and installs an asphalt make-safe or grinds the sidewalk hazard if applicable. Operations staff also have the capacity to perform limited sidewalk removal and replacement if a sidewalk hazard can't be made reasonably safe otherwise or some of the sidewalk replacement work associated with the 50/50 program. For larger projects, the Engineering division designs and manages annual construction of a proactive program within specific areas of the City and in commercial and other high-pedestrian volume areas, as well as larger responsive repair projects, pathway repairs and improvements, and some 50/50 program replacements.

Approximately \$1.0 million is available in annual funding towards sidewalks maintenance and repair from baseline allocations from the Capital Improvement Fund and 50/50 Program contributions from residents. Additional funding to sidewalks from State Transportation Tax sources was considered based on initial projected revenues after the adoption of SB1, but updated revenue forecasts from the state project lower gas tax revenues in the next two years, only enough to maintain baseline streets pavement funding. Initiated in 2011, the 50/50 program has been very popular with Berkeley. Over time, the backlog of sidewalk repairs identified to be addressed through the 50/50 program has grown significantly beyond the funding capacity to make the needed repairs. Staff estimates that it would require \$7 million to close the 50/50 program funding gap to address the backlog within the next 5 year CIP cycle, with about \$5 million in other sidewalk infrastructure repairs needed over that same period. Staff will consider proposing the use of T1 Phase 2 funding to address some of the backlog. Any reallocation to sidewalks from local streets and roads funds such as gas tax would impact the streets paving program.

## UNFUNDED CAPITAL

### e. Sewers

In 2014, the City (along with EBMUD and all agencies conveying flows to EBMUD) concluded negotiations with the Environmental Protection Agency and the Department of Justice for violation of the Clean Water Act and agreed to a stipulated settlement known as the final [Consent Decree](#)<sup>5</sup>. To comply with the Consent Decree, the City is required to rehabilitate an average of 4.2 miles of sewer pipeline annually based on a three-year rolling average. Effectively, this mandated significant additional maintenance activities and capital improvements results in increased costs of managing the City's existing sewer system. After a sewer rate study was completed, a [series of rate adjustments were adopted](#)<sup>6</sup> beginning in FY 2016 to support the added financial load of the Consent Decree requirements.

The City is currently on track to meet rehabilitation mileage targets with revenues generated from sanitary sewer fees, however, the costs per mile for sewer construction have increased since the rate study was completed. These costs will have to be closely monitored going forward over the duration of the Consent Decree, in case funding supplementation from additional sources or future rate adjustments are needed to fund the cost of the required capital improvements. A system test is scheduled to be conducted in 2022. Based on the results of this test, a better assessment of liability will be determined in the next Unfunded Liabilities Report.

### f. Storm Drains – Clean Stormwater Program

The City's engineered storm drains include approximately 78 miles of underground pipes, manholes, catch basins and cross-drains. Much of the stormwater infrastructure is over 80 years old and needs substantial rehabilitation. The backlog of projects includes: rehabilitation of pipeline reaches; conveying dry weather flows; replacement of deteriorated drain inlets and piping; major cleaning of the primary storm collectors in the lower Berkeley drainage watersheds; and replacement of street cross drains. The City desires to address these issues while forwarding its policies to improve the environment by pursuing Low Impact Development (LID) methods.

The City has already started to address implementing LID. In 2012, City Council adopted the City's [Watershed Management Plan \(WMP\)](#)<sup>7</sup>. The WMP uses LID methods to develop an integrated and sustainable strategy for managing stormwater resources that addresses water quality, flooding, and the preservation of local creek habitats and the San Francisco Bay. Through modeling and analysis, the WMP also identifies capital

---

<sup>5</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2014/09\\_Sep/Documents/2014-09-09\\_Item\\_62\\_EPA\\_Litigation.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2014/09_Sep/Documents/2014-09-09_Item_62_EPA_Litigation.aspx) for EPA litigation settlement report

<sup>6</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2015/06\\_Jun/Documents/2015-06-30\\_Item\\_21\\_Setting\\_New\\_Sustainable.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2015/06_Jun/Documents/2015-06-30_Item_21_Setting_New_Sustainable.aspx) for Sanitary Sewer Rate increases and Proposition 218 information.

<sup>7</sup> See [http://www.cityofberkeley.info/Clerk/City\\_Council/2012/10Oct/Documents/2012-10-30\\_Item\\_20\\_Watershed\\_Management\\_Plan.aspx](http://www.cityofberkeley.info/Clerk/City_Council/2012/10Oct/Documents/2012-10-30_Item_20_Watershed_Management_Plan.aspx)

## UNFUNDED CAPITAL

improvement projects and projected revenue needs for all City watersheds. In adopting the WMP in 2012 the City recognized that the WMP was developed by examining only two of the 99 watersheds in the City, therefore the remaining watersheds need to be analyzed. According to the Watershed Management Plan, the total unfunded need of the stormwater system is approximately \$204 million. Staff projects an additional need of \$37 million over the next five years, including \$5 million in unfunded maintenance needs and \$32 million for projected capital improvement projects.

The City is developing the Green Infrastructure Plan (GI Plan) as required by the Stormwater NPDES Permit. The GI Plan is a dynamic planning document that includes goals for future green streets retrofits, prioritization tools, and guidelines for incorporating green infrastructure into future capital projects.

The GI Plan and the WMP do not address rehabilitating and replacing the aging infrastructure. The City needs to integrate the findings of the WMP and the GI Plan with requirements to rehabilitate or replace aging infrastructure and address future flows. This integration will be done by preparing a Stormwater Master Plan.

The City has two Clean Stormwater Fee sources assessed to owners of real property that contribute to stormwater runoff and use the City's storm drain for collection and conveyance. The first Clean Stormwater Fee was established in the early 1990s and has never been increased, with approximately \$200,000 in revenue allocated to capital improvements. This funding only provided for minor capital and maintenance work and some emergency storm drain response efforts. Annual projected expenditures to maintain the system, including capital replacements to the aging storm drains, storm support and maintenance of new Green Infrastructure projects underway, well exceeded the available revenues. In FY 2018, the City passed a second Clean Stormwater Fee, through voter approval of a majority of responding property owners in accordance with the requirements of Proposition 218. In addition to increasing revenue for maintenance and operations, the new fee is projected to add an additional \$1.1 million in annual revenue available for capital projects, beginning in FY 2019.

### **g. Traffic Signals**

The City currently has 141 traffic signals which are maintained by Public Works Department. Due to underfunding, a backlog of capital improvement work has grown, preventing the signals from being kept up to date. As a result, there are deficiencies at many intersections throughout the city, including lack of detection devices, lack of pedestrian push buttons, and lack of battery backup for signal controllers in case of power outage. Since 2014, an annual budget of \$50,000 has been allocated for improvement of the traffic signals, and the City has begun to address the deficiencies.

**UNFUNDED CAPITAL**

	FY 2020 Year 1	FY 2021 Year 2	FY 2022 Year 3	FY 2023 Year 4	FY 2024 Year 5	Total Year 1- 5
<b>Parks, Park Buildings, Pools, Waterfront, and Camps</b>						
Available Funding <sup>(1)</sup>	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$9,500,000
Expenditures	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$9,500,000
Capital & Maint. Need <sup>(2)</sup> \$181,535,800						
<b>Unfunded Liability</b>	<b>(\$183,228,516)</b>	<b>(\$184,955,086)</b>	<b>(\$186,716,188)</b>	<b>(\$188,512,512)</b>	<b>(\$190,344,762)</b>	<b>(\$190,344,762)</b>
<b>Public Buildings</b>						
Available Funding	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$4,000,000
Expenditures	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$4,000,000
Capital & Maint. Need \$85,100,000						
<b>Unfunded Liability</b>	<b>(\$85,986,000)</b>	<b>(\$86,889,720)</b>	<b>(\$87,811,514)</b>	<b>(\$88,751,745)</b>	<b>(\$89,710,780)</b>	<b>(\$89,710,780)</b>
<b>Sidewalks</b>						
Available Funding	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$3,500,000
Expenditures	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$3,500,000
Capital & Maint. Need \$7,000,000						
<b>Unfunded Liability</b>	<b>(\$6,426,000)</b>	<b>(\$5,840,520)</b>	<b>(\$5,243,330)</b>	<b>(\$4,634,197)</b>	<b>(\$4,012,881)</b>	<b>(\$4,012,881)</b>
<b>Streets &amp; Roads</b>						
Available Funding	\$6,820,000	\$6,820,000	\$6,820,000	\$6,820,000	\$6,820,000	\$34,100,000
Expenditures	\$6,820,000	\$6,820,000	\$6,820,000	\$6,820,000	\$6,820,000	\$34,100,000
Capital & Maint. Need \$170,000,000						
<b>Unfunded Liability</b>	<b>(\$166,443,600)</b>	<b>(\$162,816,072)</b>	<b>(\$159,115,993)</b>	<b>(\$155,341,913)</b>	<b>(\$151,492,352)</b>	<b>(\$151,492,352)</b>
<b>Sewers</b>						
Available Funding	\$13,564,676	\$15,823,627	\$17,133,255	\$16,234,521	\$18,121,445	\$80,877,524
Expenditures	\$13,564,676	\$15,823,627	\$17,133,255	\$16,234,521	\$18,121,445	\$80,877,524
Capital & Maint. Need \$190,000,000						
<b>Unfunded Liability</b>	<b>(\$179,964,030)</b>	<b>(\$167,423,212)</b>	<b>(\$153,295,756)</b>	<b>(\$139,802,459)</b>	<b>(\$124,114,635)</b>	<b>(\$124,114,635)</b>
<b>Storm Drains</b>						
Available Funding	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,500,000
Expenditures	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$6,500,000
Capital & Maint. Need \$241,000,000						
<b>Unfunded Liability</b>	<b>(\$244,494,000)</b>	<b>(\$248,057,880)</b>	<b>(\$251,693,038)</b>	<b>(\$255,400,898)</b>	<b>(\$259,182,916)</b>	<b>(\$259,182,916)</b>
<b>Traffic Signals</b>						
Available Funding	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Expenditures	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Capital & Maint. Need \$7,444,000						
<b>Unfunded Liability</b>	<b>(\$7,541,880)</b>	<b>(\$7,641,718)</b>	<b>(\$7,743,552)</b>	<b>(\$7,847,423)</b>	<b>(\$7,953,371)</b>	<b>(\$7,953,371)</b>
<b>Geographical Systems: Master Address Database</b>						
Available Funding	\$0	\$0	\$0	\$0	\$0	\$0
Expenditures	\$200,000	\$150,000	\$0	\$0	\$0	\$350,000
Capital & Maint. Need \$350,000						
<b>Unfunded Liability</b>	<b>(\$153,000)</b>	<b>(\$3,060)</b>	<b>(\$3,121)</b>	<b>(\$3,184)</b>	<b>(\$3,247)</b>	<b>(\$3,247)</b>
<b>Data Backup System Replacement</b>						
Available Funding	\$0	\$0	\$0	\$0	\$0	\$0
Expenditures	\$550,000	\$0	\$0	\$0	\$0	\$550,000
Capital & Maint. Need \$550,000						
<b>Unfunded Liability</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL</b>						
Available Funding	\$25,134,676	\$27,393,627	\$28,703,255	\$27,804,521	\$29,691,445	\$138,727,524
Expenditures	\$25,884,676	\$27,543,627	\$28,703,255	\$27,804,521	\$29,691,445	\$139,627,524
T1 Funding: \$100M Infrastructure Bond <sup>(3)</sup>	\$8,330,000	\$8,330,000	\$8,330,000	\$8,330,000	\$8,330,000	\$41,650,000
Capital & Maint. Need \$882,979,800						
<b>Unfunded Liability</b>	<b>(\$865,740,426)</b>	<b>(\$847,181,608)</b>	<b>(\$827,091,985)</b>	<b>(\$807,499,304)</b>	<b>(\$785,627,845)</b>	<b>(\$785,627,845)</b>

<sup>(1)</sup> Unless otherwise noted, available funding includes recurring sources of capital and major maintenance funding.

<sup>(2)</sup> Capital & Maint. Needs are current estimates of unfunded needs. Needs are estimated to increase at a rate of 2% per year.

<sup>(3)</sup> The \$100 million in bond expenditures are estimated to be equally distributed over 12 years, (\$8.33 million/year).

# CITY FACILITIES

## Summary

For many years, the City has deferred maintenance on many City buildings, which has decreased the value of assets and diminished the utility of the buildings for City programs. To partially address this problem, Measure T1 bonds have been approved to upgrade a number of City buildings, including the Public Safety Building, North Berkeley Senior Center, Mental Health Facility, or the Corp Yard Maintenance Building. However, many outdated structures remain that require considerable improvements. Projects are selected and prioritized each fiscal year based on facility condition assessments, life-safety deficiencies, facility maintenance staff recommendations, and department needs.

## Accomplishments

Over the last two years, Facilities Engineering has delivered a variety of facilities projects:

**Civic Center Carpet Replacement.** The condition of the carpet in the Civic Center and select offices in the Public Safety Building was very poor. It had numerous locations where the carpet had deteriorated beyond its useful life, coming apart at the seams, and creating tripping hazards. The replacement scope included removing and disposing of existing carpeting and installing new carpet tiles. The project required a lot of coordination for the packing and moving of all furnishings and office equipment prior to installing the new carpet. The work in the Council Chambers and half of the third floor, where the condition was extreme, was completed over several consecutive weekends. The contractor worked very efficiently and completed the project faster than planned. The remaining areas are being addressed and will continue to be addressed in FY 2020 and FY 2021.

**The Pathways 2nd Street project.** This project houses a homeless transition program, which is operated out of trailer buildings. It provides sleeping accommodations, bathrooms, showers, and program space. The facilities group managed the design, bidding, and construction of utilities to provide HVAC, drinking water, and waste water to the temporary trailers. The facilities group also assisted with the beautification coordination of the project area.

**Transfer Station Column Repair.** The goal was to protect building columns from equipment damage. The transfer station operates a variety of large equipment that move continuously. Each bay contains two concrete columns which support the building. The columns were heavily damaged and needed to be strengthened. The addition of steel plates filled with concrete provide sufficient protection and improve the safety of the building.

**Telegraph Channing Water Intrusion.** The facilities team performed a pilot study to prevent water from entering the elevator shafts. The area around the elevators is sloped towards the elevators and not towards the drains. So, if it rains, water will enter the elevator shafts and cause rusting and malfunctioning of the equipment. The goal was to direct water away from the elevators while still complying with ADA requirements. The pilot study was successful and diversion devices were installed on all floors.

## CITY FACILITIES

**Center Street Garage.** The new garage is an eight-story, 248,000 square foot (SF) building that provides 720 parking spaces, replacing a five-story garage with 420 spaces. Features include 19 disabled parking spaces (up from nine in the previous building), 19 electric vehicle charging stations, and solar panels on the roof.

### **Planned Projects**

**North Berkeley Senior Center.** The senior center was built in 1977, and is in need of restoration. The project includes a seismic upgrade to improve the care and shelter facility, paid by the FEMA. The seismic upgrades are designed so the building can remain operational after an earthquake (immediate occupancy). The project also includes T1 upgrades, such as the heating, ventilation, and cooling system, office modifications, lighting, the electrical system to make the building compliant with current codes (ADA, Fire, CBC) and make the energy use more efficient. The project also includes a solar system on the roof. The project is currently in the bidding stage with start of construction planned for the third quarter of FY 2019.

**Health, Housing and Community Services (HHCS) – Adult Mental Health Clinic.** The Mental Health Adult Clinic project includes a comprehensive renovation of the facility to provide a safe, secure, and accessible building for community-based mental health services for City residents. The new facility will provide a welcoming, inviting, clean, durable, and secure facility for staff and clients that facilitates the mission and goals of the Mental Health Division. The construction is planned to start in the second quarter of FY 2019.

### **Deferred & Emergency Facilities Maintenance**

Deferred facilities maintenance and repair for City buildings continues to be at a critical point. The General Fund budget allocation for emergency building maintenance and deferred maintenance remain at the same levels as FY 2013. In FY 2020 & FY 2021, the annual allocation of \$100,000 for ADA Compliance is programmed for ADA update. Deferred Maintenance and Emergency projects are programmed for various maintenance improvements throughout the City.



# Facilities

## Program and Funding Summary

Program Summary						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
<b>One-Time Funding</b>						
Building Assessment (continuous)	70,000	73,500	74,900	78,645	82,577	379,622
Civic Center Carpet Replacement	440,000	462,000	485,100			1,387,100
Fire Station 6 Drill Tower	45,000					45,000
Hazmat Storage Upgrade	35,000					35,000
Marina Parking Enforcement/Traffic PD and Parking Lot	600,000					600,000
Roof Replacements	290,000	264,500	240,000	455,436	352,497	1,602,433
Transfer Station:						
CEQA	1,200,000	3,000,000	800,000			5,000,000
Design, GeoTech	100,000	1,000,000	3,100,000	800,000		5,000,000
Construction				500,000	25,000,000	25,500,000
Telegraph Channing Mall (Elevator Replacement)	300,000	500,000				800,000
ADA Transition Plan Implementation*						
Veterans Building	148,215					148,215
Corporation Yard and Equipment Mtc Bldg Upgrade	50,467					50,467
Public Safety Building HVAC Upgrades	19,762					19,762
AirCo. Building (City Facility)	385,000					385,000
<b>Subtotal</b>	<b>3,683,444</b>	<b>5,300,000</b>	<b>4,700,000</b>	<b>1,834,081</b>	<b>25,435,074</b>	<b>40,952,599</b>
<b>Recurring Funding</b>						
ADA Building Improvements	100,000	100,000	100,000	100,000	100,000	500,000
Emergency Building Repairs**				265,919	364,926	630,845
Deferred Building Maintenance**						0
<b>Subtotal</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>365,919</b>	<b>464,926</b>	<b>1,130,845</b>
<b>Total</b>	<b>3,783,444</b>	<b>5,400,000</b>	<b>4,800,000</b>	<b>2,200,000</b>	<b>25,900,000</b>	<b>42,083,444</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
Capital Improvement Fund (baseline)	900,000	900,000	900,000	900,000	900,000	4,500,000
Capital Improvement Fund (1x)	330,000					330,000
Capital Improvement Fund (Proposed)						
Zero Waste Fund	1,685,000	4,000,000	3,900,000	1,300,000		10,885,000
ZW TS Bond					25,000,000	25,000,000
T1 Infrastructure Bond	218,444					218,444
On Street Parking Fund	350,000					350,000
Off Street Parking Fund	300,000	500,000	0	0	0	800,000
<b>Total</b>	<b>3,783,444</b>	<b>5,400,000</b>	<b>4,800,000</b>	<b>2,200,000</b>	<b>25,900,000</b>	<b>42,083,444</b>

\* \$4M listed in Sidewalks Program, amount to be split btwn the 2 programs

\*\*Annual \$500K Emergency Building Repairs & \$300K Deferred Building Maintenance reduced to fund projects

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:**           Tranfer Station AirCo building upgrade for office use

**Project Number:**

**Project Total Cost:**     \$ 385,000                      **FY 20-24 Program Cost:**     \$ 385,000

**Department:** Public Works                      **Division:** Zero Waste                      **Capital Program:**

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ 385,000
Staff/Labor	\$ -	\$ 10,000					\$ 10,000
Design/Consultant	\$ -	\$ 75,000					\$ 75,000
Construction	\$ -	\$ 300,000					\$ 300,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ 385,000

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Zero Waste Fund (820)	\$ 385,000					\$ 385,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ 385,000

<b>Project Description:</b>	Upgrade the TS' AirCo building to provide workplace for ZWD staff addtions in FY2020
<b>Project Justification:</b>	AirCo requires upgrade and build out of offices to be useable by ZWD staff
<b>Project Location:</b>	1201 2nd and Gilman streets
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Telegraph Channing Elevator Replacement

**Project Number:**

**Project Total Cost:** \$ 800,000

**FY 20-24 Program Cost:** \$ 800,000

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Facilities

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 300,000	\$ 500,000				\$ 800,000
Staff/Labor	\$ -	\$ 30,000	\$ 20,000				\$ 50,000
Design/Consultant	\$ -	\$ 150,000					\$ 150,000
Construction	\$ -	\$ 120,000	\$ 480,000				\$ 600,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 300,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 800,000

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 835 (627) Off Street Parking		\$ 300,000	\$ 500,000				\$ 800,000
<b>Total</b>	\$ -	\$ 300,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 800,000

<b>Project Description:</b>	Replace elevators at Telegraph Channing Garage
<b>Project Justification:</b>	Original elevators. Reliability and Safety Issues
<b>Project Location:</b>	Telegraph/Channing
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Trasfer Station Rebuild Final engineering, design and ready for construction plans

**Project Number:**

**Project Total Cost:**     \$ 4,000,000                      **FY 20-24 Program Cost:**     \$ 4,000,000

**Department:** Public Works                      **Division:** Zero Waste                      **Capital Program:**

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor	\$ -						\$ -
Design/Consultant	\$ -	\$ -	\$ 300,000	\$ 2,900,000	\$ 800,000		\$ 4,000,000
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 300,000</u>	<u>\$ 2,900,000</u>	<u>\$ 800,000</u>	<u>\$ -</u>	<u>\$ 4,000,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Zero Waste Fund (820)		300,000	2,900,000	800,000		<u>\$ 4,000,000</u>
Fund xxx (xxx) -						<u>\$ -</u>
Fund xxx (xxx) -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 300,000</u>	<u>\$ 2,900,000</u>	<u>\$ 800,000</u>	<u>\$ -</u>	<u>\$ 4,000,000</u>

<b>Project Description:</b>	With the completion of the Solid Waste & recycling Transfer Station Feasibility all stgudies and issuance of FEIR to comply with the California Environmental Quality Act (CEQA), detailed engineering would be started and completed
<b>Project Justification:</b>	Design for City and CEQA approved design
<b>Project Location:</b>	1201 2nd and Gilman streets
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:**           Trasfer Station Rebuild Final Geotechnical Site investigation to support engineering design

**Project Number:**

**Project Total Cost:**     \$ 1,000,000                      **FY 20-24 Program Cost:**     \$ 1,000,000

**Department:** Public Works                      **Division:** Zero Waste                      **Capital Program:**

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor	\$ -						\$ -
Design/Consultant	\$ -	\$ 100,000	\$ 700,000	\$ 200,000			\$ 1,000,000
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 100,000</u>	<u>\$ 700,000</u>	<u>\$ 200,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,000,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Zero Waste Fund (820)	\$ 100,000	700,000	200,000			\$ 1,000,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 100,000</u>	<u>\$ 700,000</u>	<u>\$ 200,000</u>	<u>\$ -</u>	<u>\$ 1,000,000</u>

<b>Project Description:</b>	Because no information exists, it is estimated that extensive geotechnical subsurface will be required to support the engineering design of the new facilities
<b>Project Justification:</b>	Geotechnical work to support engineering design
<b>Project Location:</b>	1201 2nd and Gilman streets
<b>History/Notes:</b>	

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Solid Waste & Recycling Transfer Station Rebuild CEQA process

Project Number:

Project Total Cost: \$ 5,000,000 FY 20-24 Program Cost: \$ 5,000,000

Department: Public Works Division: Zero Waste Capital Program:

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor	\$ -						\$ -
Design/Consultant	\$ -	\$ 1,200,000	\$ 3,000,000	\$ 800,000			\$ 5,000,000
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ 1,200,000	\$ 3,000,000	\$ 800,000	\$ -	\$ -	\$ 5,000,000

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Zero Waste Fund (820)	\$ 1,200,000	3,000,000	800,000			\$ 5,000,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
Total	\$ -	\$ 1,200,000	\$ 3,000,000	\$ 800,000	\$ -	\$ 5,000,000

**Project Description:** With the completion of the Solid Waste & recycling Transfer Station Feasibility Study with at least 2 options for redesign/rebuild of all facilities at 1201 2nd Street, the project with need to comply with the California Environmental Quality Act (CEQA)

**Project Justification:** Comply with CEQA

**Project Location:** 1201 2nd and Gilman streets

**History/Notes:**

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Trasfer Station Rebuild Final Geotechnical Site investigation to support engineering design

Project Number:

Project Total Cost: \$ 40,000,000 FY 20-24 Program Cost: \$ 25,500,000

Department: Public Works Division: Zero Waste Capital Program:

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor	\$ -						\$ -
Design/Consultant	\$ -				\$ 500,000	\$ 25,000,000	\$ 25,500,000
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 25,000,000	\$ 25,500,000

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Zero Waste Fund (820)				500,000	25000000	\$ 25,500,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
Total	\$ -	\$ -	\$ -	\$ 500,000	\$ 25,000,000	\$ 25,500,000

**Project Description:** With completion of all environmental permits, geotechnical and design work commenced of construcion for the new Solid Waste & Recycling Transfer Station

**Project Justification:** Replacement of all existing facilites

**Project Location:** 1201 2nd and Gilman streets

**History/Notes:**

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Proposal Form

**Project Name:** Veteran's Building

**Project Number:** T1PW04

**Project Total Cost:** \$ 148,215                      **FY 20-24 Program Cost:** \$ 148,215

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Facilities

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 148,215					<u>\$ 148,215</u>
Staff/Labor							<u>\$ -</u>
Design/Consultant							<u>\$ -</u>
Construction	\$ -						<u>\$ -</u>
Ops/Maint Cost	\$ -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 148,215</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 148,215</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 511 (607) - Measure T1	\$ 148,215					<u>\$ 148,215</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 148,215</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 148,215</u>

<b>Project Description:</b>	Structural analysis and visioning of possible conceptual design alternatives, in concert with Civic Center Park, to help determine a direction for future capital improvements to restore and secure these facilities to maximize their community benefit.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1931 Center Street, Berkeley, CA 94704
<b>History/Notes:</b>	



**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Proposal Form**

**Project Name:** Corporation Yard

**Project Number:** T1PW09

**Project Total Cost:** \$ 513,812                      **FY 20-24 Program Cost:** \$ 50,467

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Facilities

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 463,345	\$ 50,467					<u>\$ 50,467</u>
Staff/Labor							<u>\$ -</u>
Design/Consultant							<u>\$ -</u>
Construction	\$ -						<u>\$ -</u>
Ops/Maint Cost	\$ -						<u>\$ -</u>
<b>Total</b>	<u>\$ 463,345</u>	<u>\$ 50,467</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 50,467</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 511 (607) - Measure T1	\$ 463,345	\$ 50,467				<u>\$ 50,467</u>
<b>Total</b>	<u>\$ 463,345</u>	<u>\$ 50,467</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 50,467</u>

<b>Project Description:</b>	Roof and electrical improvements
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1326 Allston Way, Berkeley, CA
<b>History/Notes:</b>	

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Proposal Form**

**Project Name:** Public Safety Building

**Project Number:**

**Project Total Cost:** \$ 19,762

**FY 20-24 Program Cost:** \$ 19,762

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Facilities

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 19,762					\$ 19,762
Staff/Labor							\$ -
Design/Consultant							\$ -
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 19,762	\$ -	\$ -	\$ -	\$ -	\$ 19,762

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 511 (607) - Measure T1	\$ 19,762					\$ 19,762
<b>Total</b>	\$ 19,762	\$ -	\$ -	\$ -	\$ -	\$ 19,762

<b>Project Description:</b>	Cost estimate for Mechanical/HVAC upgrades.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	2100 Martin Luther King Jr. Way, Berkeley, CA
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:**           **Roof Replacements**

**Project Number:**

**Project Total Cost:**     **\$ 1,602,433**

**FY 20-24 Program Cost:**     **\$ 1,602,433**

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Facilities

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 290,000	\$ 304,500	\$ 319,725	\$ 335,711	\$ 352,497	\$ 1,602,433
Staff/Labor	\$ -	\$ 20,000	\$ 21,000	\$ 22,050	\$ 23,153	\$ 24,310	\$ 110,513
Design/Consultant	\$ -	\$ 20,000	\$ 21,000	\$ 22,050	\$ 23,153	\$ 24,310	\$ 110,513
Construction	\$ -	\$ 250,000	\$ 262,500	\$ 275,625	\$ 289,406	\$ 303,877	\$ 1,381,408
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ 290,000</b>	<b>\$ 304,500</b>	<b>\$ 319,725</b>	<b>\$ 335,711</b>	<b>\$ 352,497</b>	<b>\$ 1,602,433</b>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 5U1 Capital Improvement	\$ 290,000	264500	240000	455436	352497	\$ 1,602,433
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ 290,000</b>	<b>\$ 264,500</b>	<b>\$ 240,000</b>	<b>\$ 455,436</b>	<b>\$ 352,497</b>

<b>Project Description:</b>	Replacement of leaking roofs > 20yrs old: Fire Station 3
<b>Project Justification:</b>	Leaking roofs. Requires replacement.
<b>Project Location:</b>	City wide
<b>History/Notes:</b>	



This page left intentionally blank

# INFORMATION TECHNOLOGY

## Summary

Currently, the City's PC inventory comprises 1,271 desktops, 238 laptops, 93 tablets, and 78 Public Safety MDTs (Mobile Data Terminals). In FY 2003, the City's server infrastructure comprised 93 Physical servers (13 for email), with each server supporting a single software application. Currently, the City runs 35 Physical servers (4 virtual for email), 200 virtual servers as a result of Virtualization and thus reducing carbon footprint and resulted in energy efficiencies. The City also runs City owned Fiber to the downtown locations and this was placed in operation in year 2000. City Network Infrastructure runs over 170 routers, switches, and 206 wireless access points that connect the City's 42 service locations.

In FY 2008, the City centralized PC purchasing and instituted a capital replacement program requiring departments to set aside money every year for desktop PCs, enterprise desktop software, and for servers. Because a capital replacement fund was established, the City's PC inventory, Servers and Storage is a funded liability and the network devices, wireless and UPS inventory is an underfunded liability. In FY 2015 the City established a replacement fund for our core enterprise financial system, FUND\$, the property tax in excess of the \$10.5 million baseline will be allocated for FUND\$ replacement. In FY 2019, a Technology Internal Service Fund was developed and all IT Infrastructure Costs for existing technology are now a funded liability. In FY 2019, the IT department will also be upgrading the Server and Storage backend infrastructure to support the City's Cyber Resilience efforts and to provide operational and disaster recovery including business continuity to our critical applications.

## Computer Replacement Fund: PC & Server

This fund supports centralized licensing and maintenance of Citywide PCs and servers: critical desktop hardware is upgraded every four to six years, all desktops are licensed for the City standard software suite, and servers are maintained for all departments.

In FY 2013, this fund provided for a replacement of our disk and cloud-based backup system. In FY 2014, this fund provided for an upgrade and expansion of our virtual server infrastructure, comprising 11 physical servers that support over 183 virtual servers. In FY 2016, this fund provided for a additions to our storage area network (SAN), which supports the backend storage for our virtual server infrastructure. In FY 2017, the City upgraded their Microsoft Office software licenses to enable video conferencing and Office 365 capabilities. Implementation will begin in 2019, and will improve access to data and files from any location thus increasing employee efficiencies, will provide more reliable security, and help enhance the disaster recovery process, which will allow email to still be accessible on our mobile devices should City Hall be impacted in a disaster. Our investment decisions will prioritize initiatives that achieve the best performance outcomes and greatest benefit so funding and other resources currently dedicated to operations and maintenance efforts can be recapitalized and invested in modernization efforts

## FUND\$ Replacement Project

The FUND\$ Replacement project provides project management, change management and subject matter expertise to implement a new, fully integrated, public sector Enterprise Resource Planning ("ERP") system that meets the City's functional needs related to financial data management, purchasing, human resources, payroll, benefits administration, and

## INFORMATION TECHNOLOGY

budget preparation. In later phases the ERP Project Team will also identify optimal solutions to improve refuse billing, the City's work order system, fleet and facilities management, performance evaluations for City staff, learning management system for all City employees, administration of business licenses, and property tax assessments.

The City has selected Tyler Munis, a new, fully integrated, public sector Enterprise Resource Planning ("ERP") system that meets the City's functional scope (Core Financials, Purchasing, Human Resources, Payroll, Budget Preparation, Time Entry, and Benefits Administration). The City has begun implementation of the new ERP and went live with Phase 1 A of the project on Nov 1, 2018. The timelines for Phase 1B for AR/GB and HR Payroll being developed and plan to tentatively go-live Jan 1, 2020

Phase 2 is in progress and will include replacement of the Zero Waste system, Work Order (including Facilities Management), Fleet Management, Performance and Learning Management, and Real Property Leasing. eProcurement (automating the bidding process) to improve the procurement process thus reducing paper and office visits to submit bids in person thus implementing an environmentally- sound technology infrastructure.

Phase 3 has not yet started, but will include Business Licenses and Property Tax Assessment. Online community payment portal and Electronic Signatures (eSignatures) will be evaluated as part of Phase 3.

**Information Technology**  
**Program and Funding Summary**

Project Description	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	5 Year Total
<b>One-Time Funding</b>						
			-	-	-	-
<b>Subtotal</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Recurring Funding</b>						
FUND\$ Replacement Project	2,734,552	2,734,552				5,469,104
PC Replacement (PC-R) and Server Replacement	\$540,370	\$385,370	\$439,789	\$518,678	\$288,062	2,172,269
<b>Total</b>	<b>\$ 3,274,922</b>	<b>\$ 3,119,922</b>	<b>\$ 439,789</b>	<b>\$ 518,678</b>	<b>\$ 288,062</b>	<b>\$ 7,641,373</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2018	Proposed FY 2019	Planned FY 2020	Planned FY 2021	Planned FY 2022	5 Year Total
	-	-	-	-	-	-
Fund 609 - FUND\$ Replacement	2,734,552	2,734,552	-	-	-	5,469,104
Fund 891 - IT Cost Allocation	540,370	385,370	439,789	518,678	288,062	2,172,269
<b>Total</b>	<b>\$ 3,274,922</b>	<b>\$ 3,119,922</b>	<b>\$ 439,789</b>	<b>\$ 518,678</b>	<b>\$ 288,062</b>	<b>\$ 7,641,373</b>

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** PC Replacement (PC-R) and Server Replacement  
**Project Number:** -  
**Total Cost:** \$2,172,268  
**Department:** IT      **Division:** Network Operations      **Capital Program:**

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ops/Maint Cost	\$0	\$540,370	\$385,370	\$439,789	\$518,678	\$288,062	\$2,172,268
<b>Total</b>	<b>\$0</b>	<b>\$540,370</b>	<b>\$385,370</b>	<b>\$439,789</b>	<b>\$518,678</b>	<b>\$288,062</b>	<b>\$2,172,268</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 891 - IT Cost Allocation	\$540,370	\$385,370	\$439,789	\$518,678	\$288,062	\$2,172,268
<b>Total</b>	<b>\$540,370</b>	<b>\$385,370</b>	<b>\$439,789</b>	<b>\$518,678</b>	<b>\$288,062</b>	<b>\$2,172,268</b>

**Project Description:** This project supports centralized licensing and maintenance of Citywide PCs, servers and storage: critical desktop hardware is upgraded every five years, all desktops are licensed for the City standard software suite, and servers are maintained for all departments. Staff replace approximately 200 citywide desktops per fiscal year.

**Project Justification:** The purpose of these programs are to maximize the value of the City's investment by adopting a citywide standard for desktops, desktop deployment, and centralized servers.

**Project Location:** Citywide

In FY 2013, this fund provided for a replacement of our disk and cloud-based backup system. In FY2014, this fund provided for an upgrade and expansion of our virtual server infrastructure, comprising 11 physical servers that support over 183 virtual servers. In FY 2016, this fund provided for a replacement of our storage area network (SAN), which supports the backend storage for our virtual server infrastructure.

**History/Notes:** In FY2017, the City upgraded their Microsoft Office software licenses to enable video conferencing and Office 365 capabilities. Implementation will occur in early 2017, and will improve access to data and files from any location thus increasing employee efficiencies, will provide more reliable security, and help enhance the disaster recovery process, which will allow email to still be accessible on our mobile devices should City Hall be impacted in a disaster.

In FY2019, the City is planning to upgrade the core server and storage infrastructure to establish disaster recovery and business continuity functionality citywide.



**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** FUND\$ Replacement Project  
**Project Number:** -  
**Total Cost:** \$15,100,000  
**Department:** IT      **Division:** Multiple      **Capital Program:**

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$9,630,896	\$2,734,552	\$2,734,552	\$0	\$0	\$0	\$15,100,000
Ops/Maint Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	\$9,630,896	\$2,734,552	\$2,734,552	\$0	\$0	\$0	\$15,100,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 609 - FUND\$ Replacement	\$9,630,896	\$2,734,552	\$2,734,552	\$0	\$0	\$0	\$5,469,104
<b>Total</b>	\$9,630,896	\$2,734,552	\$2,734,552	\$0	\$0	\$0	\$5,469,104

<b>Project Description:</b>	<p>The FUND\$ Replacement team provides project management, change management and subject matter expertise to implement multiple software solutions to address the core data needs for the City. The Program is divided into multiple projects to be completed over a five year period.</p> <p>The City has selected Tyler Munis, a new, fully integrated, public sector Enterprise Resource Planning (“ERP”) system that meets the City’s functional scope (Core Financials, Purchasing, Human Resources, Payroll, Budget Preparation, Time Entry, and Benefits Administration). The City has begun implementation of the new ERP and went live with Phase 1 A of the project on Nov 1, 2018.</p> <p>Phase 2 is in progress and will include replacement of the Zero Waste system, Work Order (including Facilities Management), Fleet Management, Performance and Learning Management, and Real Property Leasing. Phase 3 has not yet started, but will include Business Licenses and Property Tax Assessment.</p>
<b>Project Justification:</b>	<p>Replacement of FUND\$ will improve integration, reporting, roll-up capabilities, organizational processes, and allow for the implementation of business process best practices.</p>
<b>Project Location:</b>	<p>Citywide</p>
<b>History/Notes:</b>	<p>Since 1991, the City has used the SunGard Public Sector (formerly HTE) solution for financials, budgeting, and payroll functions. In May 2015, the City contracted with the Government Finance Officers Association (GFOA) for a review of its current financial processes, and for identification of areas for improvement and recommended business process changes to implement a modern ERP to provide improved core financial, HR and payroll processes. This assessment led to the determination that a new enterprise system will improve integration, reporting and roll-up capabilities, and organizational processes, and allow for the implementation of business process best practices.</p>



This page left intentionally blank

# PARKS, RECREATION AND WATERFRONT

## Summary

The City of Berkeley Parks, Recreation and Waterfront Department maintains 250 park acres, 9.5 miles of medians, 175 acres in the Waterfront, and three resident camps outside of the City.

The City has 52 parks that contain 15 athletic fields, 49 sports courts (basketball and tennis), 63 play areas, 4 community centers, 2 clubhouses, 29 restrooms and outbuildings, and 2 swimming pools.

The medians include 152 landscaped areas between streets and numerous turf and landscaped triangles adjacent to our streets.

The Waterfront is the largest public Marina in the Bay Area located on 125 acres of land and 50 acres of water, and maintains approximately 1040 berths, public access docks, pilings, channels, streets, pathways, parking lots, buildings, restrooms, buildings, and small boat launch ramps.

The City of Berkeley's non-resident camps include Cazadero Camp located off the Russian River, Echo Lake Camp located just above South Lake Tahoe, and Berkeley Tuolumne Camp located just east of Yosemite Park. These camps include hundreds of facilities, amphitheaters, bridges, pathways, water systems, and swimming pools.

## Funding

Recurring funding available for capital and major maintenance of these facilities and infrastructure is \$1.75 million.

<b>Funding Source</b>	<b>Annual Capital &amp; Major Maintenance Funding</b>
Parks Tax Fund	\$1,000,000
Capital Improvement Fund	\$400,000
Marina Fund	\$350,000
Camps Fund <sup>1</sup>	\$0
<b>Total Funding Available</b>	<b>\$1,750,000</b>

The Department relies on other one-time funding to supplement these sources, including bond measures and grants, to address our most critical unfunded needs. The passage of Measure T1 by voters in 2016 provided \$100 million in funding for existing facilities and infrastructure over a period of 12 years. While this is for citywide needs, Phase 1 includes funding for a number of park and Waterfront projects.<sup>2</sup> Over the past 10 years, Measure WW, a regional measure to fund the improvement of parks and recreation facilities, has provided funding for 16 local park improvement projects.<sup>3</sup> Work on these projects will conclude by December 2020.

<sup>1</sup> Due to the loss of Berkeley Tuolumne Camp, the Camps Fund does not have sufficient funds at this time to cover any annual investment in capital or major maintenance.

<sup>2</sup> See <https://www.cityofberkeley.info/MeasureT1/>

<sup>3</sup> See [https://www.cityofberkeley.info/Parks\\_Rec\\_Waterfront/Home/Measure\\_WW\\_Bonds.aspx](https://www.cityofberkeley.info/Parks_Rec_Waterfront/Home/Measure_WW_Bonds.aspx)

## PARKS, RECREATION AND WATERFRONT

For the Department's largest capital project, the rebuild of Berkeley Tuolumne Camp, the primary funding sources are insurance and a Public Assistance grant from the Federal Emergency Management Agency (FEMA).

An additional \$600,000 is set aside for minor maintenance in Parks and the Waterfront.

<b>Funding Source</b>	<b>Annual Minor Maintenance Funding</b>
Parks Tax Fund	\$450,000
Marina Fund	\$150,000
<b>Total Funding Available</b>	<b>\$600,000</b>

These funds are critical to address the minor maintenance repairs that are required annually, from painting to playground surfacing to stone work to facility repairs.<sup>4</sup> In the past, when there was not this dedicated set aside, these more minor repairs often cut into capital budgets, exacerbating the problem of under-investment in capital and major maintenance.

### **FY2020 & FY2021 Capital & Major Maintenance Projects**

The following table summarizes the priority capital projects proposed for allocation of the \$1.75 million in recurring funds. In FY 2020, park projects include renovating the tennis courts at Cedar Rose Park; replacing the filters at West Campus Pool; irrigation and pathway improvements at the Rose Garden; and playground improvements at San Pablo Park, George Florence Park, and King School Park. In addition, two WW-funded projects will be completed: John Hinkel Park improvements and James Kenney Park playground renovation. In FY 2021, park projects include playground renovation at Grove Park, fencing improvements at the Harrison Skate Park, and play area improvements at John Hinkel Park and Aquatic Park's Dreamland.

At the Waterfront, proposed projects focus on the most urgent repair needs, and those that prevent the further loss of revenue from customers leaving the Marina. These include finger dock and piling replacement, restroom upgrades, and sewer lateral work.

There are two significant camp projects. The rebuild of Berkeley Tuolumne Camp is set to bid and start construction in FY 2020. Construction will proceed over two years at an estimated cost of approx. \$50 million. Camp is scheduled to re-open in the summer of 2022. At Cazadero Camp, the Jensen Dorm, which was destroyed by a landslide in 2016, will be reconstructed in FY 2020. That project is primarily funded by insurance.

---

<sup>4</sup> See [https://www.cityofberkeley.info/Parks\\_Rec\\_Waterfront/Home/Capital\\_Improvements\\_Program\\_\(CIP\).aspx](https://www.cityofberkeley.info/Parks_Rec_Waterfront/Home/Capital_Improvements_Program_(CIP).aspx) for a list of Minor Maintenance projects over the past several years.

## PARKS, RECREATION AND WATERFRONT

### PRW FY2020 & FY2021 Capital & Major Maintenance Plan

FY 2020	Funding Sources					Grand Total
	Capital Imprvmt.	Parks Tax	Marina	Grants-Meas. WW	Camps	
Gilman Reserve/ Facility Assmt./ Sewer Laterals	\$0	\$100,000	\$0	\$0	\$0	\$100,000
Cedar Rose Tennis Court	\$0	\$400,000	\$0	\$0	\$0	\$400,000
W. Campus Pool Filter	\$0	\$175,000	\$0	\$0	\$0	\$175,000
Rose Garden-Phase II	\$100,000	\$50,000	\$0	\$0	\$0	\$150,000
San Pablo Park Play Equipment	\$300,000	\$100,000	\$0	\$0	\$0	\$400,000
George Florence Play Equipment	\$0	\$125,000	\$0	\$0	\$0	\$125,000
John Hinkel Park Improvements	\$0	\$0	\$0	\$465,000	\$0	\$465,000
James Kenney Play Area	\$0	\$0	\$0	\$1,060,274	\$0	\$1,060,274
King School Park Play Area	\$0	\$50,000	\$0	\$0	\$0	\$50,000
Finger Dock & Piling Replacement	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Sewer Lateral Work	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Cazadero Dorm Reconstruction	\$0	\$0	\$0	\$0	\$854,306	\$854,306
Berkeley Tuolumne Camp	\$0	\$0	\$0	\$0	\$49,795,822	\$49,795,822
<b>FY 2020 Budget Total</b>	<b>\$400,000</b>	<b>\$1,000,000</b>	<b>\$350,000</b>	<b>\$1,525,274</b>	<b>\$50,650,128</b>	<b>\$53,925,402</b>
<b>FY 2021</b>						
Gilman Reserve/ Facility Assmt/Sewer Laterals	\$0	\$100,000	\$0	\$0	\$0	\$100,000
Grove Park Play Equipment	\$200,000	\$200,000	\$0	\$0	\$0	\$400,000
Skate Park Fencing Improvements	\$0	\$300,000	\$0	\$0	\$0	\$300,000
John Hinkel-Play Area	\$0	\$400,000	\$0	\$0	\$0	\$400,000
Aquatic Park Dream Land Improvements	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Finger Dock & Piling Replacement	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Restroom Upgrades	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Berkeley Tuolumne Camp	\$0	\$0	\$0	\$0	\$1,699,713	\$1,699,713
<b>FY2021 Budget Total</b>	<b>\$400,000</b>	<b>\$1,000,000</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$1,699,713</b>	<b>\$3, 449,713</b>

Note: projects may change at the discretion of the department

## PARKS, RECREATION AND WATERFRONT

### Unfunded Needs

While this capital plan for FY 2020 and FY 2021 addresses a number of important capital priorities, there remains a large unfunded need in parks, pools, camps and Waterfront facilities and infrastructure. As of March 2019, the unfunded need is estimated to exceed \$180 million.

<b>Needed Improvements<sup>5</sup></b>	<b>Cost Estimate</b>
Resident Camps	\$3,355,000
Waterfront	\$109,987,000
Pools	\$7,050,000
Park Buildings/Facilities	\$6,981,800
Parks (General)	\$9,900,000
Parks (Specific)	\$36,962,000
Park Restrooms	\$7,300,000
<b>Total</b>	<b>\$181,535,800</b>

The majority of these unfunded needs are at the Waterfront, where many of the docks, pilings, buildings, parking lots and streets have reached the end of their useful life and are starting to fail. Of the nearly \$110 million in unfunded needs at the Waterfront, an estimated \$10.33 million is needed for urgent infrastructure repairs to finger docks, pilings, electrical systems and restrooms. If these investments are not made, facilities and infrastructure will either require more costly emergency funding or be closed as in the case of the Berkeley Pier. This has a direct and negative impact on Marina Fund revenues, which the City relies on to fund the operations of the Waterfront, and which is projected to be insolvent within two years.

---

<sup>5</sup> See Unfunded Capital Projects:  
[https://www.cityofberkeley.info/Parks\\_Rec\\_Waterfront/Home/Capital\\_Improvements\\_Program\\_\(CIP\).aspx](https://www.cityofberkeley.info/Parks_Rec_Waterfront/Home/Capital_Improvements_Program_(CIP).aspx)

# PARKS, RECREATION AND WATERFRONT

## PROGRAM AND FUNDING SUMMARY

Project Description	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	5 Year Total
<b>One-Time Funding</b>						
<i>Camps Fund</i>						
Berkeley Tuolumne Camp*	49,795,822	1,699,713	722,123	99,464		52,317,122
Cazadero Landslide Repair: Dorm Replacement**	854,306					854,306
<i>Measure T1 Bond Program</i>						
Aquatic Park Tide Tubes	220,835					220,835
Frances Albrier Community Center	425,000	215,162				640,162
Grove Park Phase II	880,325					880,325
Live Oak Community Center	4,232,106					4,232,106
University Ave., Marina Blvd, Spinnaker Wy Renovation	2,056,908	934,295				2,991,203
Berkeley Municipal Pier	83,022					83,022
George Florence Play Structure	531,703					531,703
San Pablo Play Structure	1,037,505					1,037,505
Strawberry Creek Park Phase II	345,835					345,835
Rose Garden Pathways, Tennis, Pergola	1,131,389					1,131,389
Gilman N. Fieldhouse/Restroom	197,025					197,025
Willard Clubhouse	172,025					172,025
<b>Subtotal</b>	<b>61,963,806</b>	<b>2,849,170</b>	<b>722,123</b>	<b>99,464</b>	<b>-</b>	<b>65,634,563</b>
<b>Recurring Funding</b>						
<i>Parks Tax Fund</i>						
Gilman Reserve/Facility Assessment/Sewer Lateral	100,000	100,000	100,000	100,000	100,000	500,000
Cedar Rose Tennis Courts	400,000	-	-	-	-	400,000
George Florence Play Equipment	125,000	-	-	-	-	125,000
Grove Park Play Equipment	-	200,000	-	-	-	200,000
John Hinkel -lower	-	400,000	-	-	-	400,000
Kind School Play Area	50,000	-	-	-	-	50,000
Rose Garden Trellis Phase II	50,000	-	-	-	-	50,000
San Pablo Park Play Equipment	100,000	-	-	-	-	100,000
Skate Park Fencing	-	300,000	-	-	-	300,000
West Campus Pool Filters	175,000	-	-	-	-	175,000
Unallocated Projects	-	-	900,000	900,000	900,000	2,700,000
<i>Capital Improvement Fund</i>						
Aquatic Park Dream Land	-	200,000	-	-	-	200,000
Grove Park Play Equipment	-	200,000	-	-	-	200,000
Rose Garden Trellis Phase II	100,000	-	-	-	-	100,000
San Pablo Park Play Equipment	300,000	-	-	-	-	300,000
Unallocated: ADA Parks	-	-	250,000	250,000	250,000	750,000
Unallocated: Replace Hazardous Play Equipment	-	-	150,000	150,000	150,000	450,000
Ball Fields Acquisition Debt Service	249,971	249,467	249,901	249,848	249,819	1,249,006
<i>Marina Fund</i>						
Finger Docks	250,000	100,000	-	-	-	350,000
Sewer Lateral Work	100,000	-	-	-	-	100,000
Waterfront Restroom Upgrades	-	250,000	-	-	-	250,000
Marina Debt Service	485,719	792,677	792,677	792,677	792,677	3,656,427
Unallocated Projects	-	-	350,000	350,000	350,000	1,050,000
<b>Subtotal</b>	<b>2,485,690</b>	<b>2,792,144</b>	<b>2,792,578</b>	<b>2,792,525</b>	<b>2,792,496</b>	<b>13,655,433</b>
<b>Total</b>	<b>\$ 64,449,496</b>	<b>\$ 5,641,314</b>	<b>\$ 3,514,701</b>	<b>\$ 2,891,989</b>	<b>\$ 2,792,496</b>	<b>\$ 79,289,996</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Planned FY 2022	Planned FY 2023	Planned FY 2024	5 Year Total
<b>One-Time Funding</b>						
One-Time: Camps Fund	50,650,128	1,699,713	722,123	99,464	-	53,171,428
Measure T1 Bond Program	11,313,678	1,149,457				12,463,135
<b>Subtotal</b>	<b>61,963,806</b>	<b>2,849,170</b>	<b>722,123</b>	<b>99,464</b>	<b>-</b>	<b>65,634,563</b>
<b>Recurring Funding</b>						
Parks Tax	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Capital Improvement Fund	649,971	649,467	649,901	649,848	649,819	3,249,006
Marina Fund	835,719	1,142,677	1,142,677	1,142,677	1,142,677	5,406,427
<b>Subtotal</b>	<b>2,485,690</b>	<b>2,792,144</b>	<b>2,792,578</b>	<b>2,792,525</b>	<b>2,792,496</b>	<b>13,655,433</b>
<b>Total</b>	<b>\$ 64,449,496</b>	<b>\$ 5,641,314</b>	<b>\$ 3,514,701</b>	<b>\$ 2,891,989</b>	<b>\$ 2,792,496</b>	<b>\$ 79,289,996</b>

\*This project will be funded by insurance, Federal Emergency Management Agency (FEMA), California's Office of Emergency Services (CalOES), donation proceeds, and the City of Berkeley. The City's cost share is not estimated to exceed \$3.3 million, which was allocated from the Catastrophic Reserve Fund and included in the FY18-19 adopted budget.

\*\*This project will be funded by insurance.

*First Source Fund receives 1% of the project budget from all eligible capital projects (i.e. Capital Improvement Fund, Camps Fund, Parks Tax Fund and Marina Fund). First Source Fund (B.M.C. 13.26) promotes the hiring of local jobseekers on local and publicly funded construction projects, in addition to non-construction jobs that are created after construction is complete.*

*Public Art Fund receives 1.5% of the project budget from all eligible capital projects (i.e. Capital Improvement Fund, Camps Fund, Parks Tax Fund and Marina Fund). Funding for the program is provided through the Public Art Resolution, passed in 1999, which requires all eligible capital projects within the city to allocate 1.5% of the project budget of public improvements to the Public Art Fund.*

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Berkeley Tuolumne Camp Reconstruction Project

**Project Number:** 14EM01 / 08CP01 / 18CP01 / NEW CM

**Total Cost:** \$ 62,066,573

**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total	Project Total
Project Cost	\$ 9,749,451	\$ 49,795,822	\$ 1,699,713	\$ 722,123	\$ 99,464	\$ -	\$ 52,317,123	\$ 62,066,573
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 9,749,451</b>	<b>\$ 49,795,822</b>	<b>\$ 1,699,713</b>	<b>\$ 722,123</b>	<b>\$ 99,464</b>	<b>\$ -</b>	<b>\$ 62,066,573</b>	<b>\$ 62,066,573</b>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total	
Fund-Camps (Insurance, FEMA, CalOES, Donations)	\$ 9,577,175	\$ 46,855,161	\$ 1,549,713	\$ 572,123	\$ 99,464	\$ -	\$ 49,076,462	\$ 58,653,637
Catastrophic Reserve Fund	\$ 46,872	\$ 2,940,661	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ 3,240,661	\$ 3,287,533
Various (Initial emergency Response & Debris)	\$ 125,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,403
<b>Total</b>	<b>\$ 9,749,451</b>	<b>\$ 49,795,822</b>	<b>\$ 1,699,713</b>	<b>\$ 722,123</b>	<b>\$ 99,464</b>	<b>\$ -</b>	<b>\$ 52,317,123</b>	<b>\$ 62,066,573</b>

**Project Description:** Reconstruct Berkeley Tuolumne Camp to pre-fire Capacity, meeting current code requirements.

**Project Justification:** Berkeley Tuolumne Camp is needed to ensure a stable Camps fund to support all City of Berkeley Camps programming.

**Project Location:** Hardin Flat Road, Groveland, California

**History/Notes:** Berkeley Tuolumne Camp (BTC) was destroyed by the Rim Fire in 2013. Since then, City staff have worked to secure funding for the reconstruction, complete design, environmental compliance, and obtain permits. Project currently anticipates bidding in November-December, 2019, starting construction in early 2020, and re-opening Camp in Summer, 2022.

This project will be funded by Insurance, FEMA, and donations proceeds



City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Cazadero Camp Landslide Repair

**Project Number:** PRWEM16004

**Total Cost:** \$ 854,306

**Department:** Parks, Recreation & Waterfront

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$854,306	\$ -	\$ -	\$ -	\$ -	\$ 854,306
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 854,306	\$ -	\$ -	\$ -	\$ -	\$ 854,306

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Camps	\$ -	\$854,306	\$ -	\$ -	\$ -	\$ -	\$ 854,306
<b>Total</b>	\$ -	\$ 854,306	\$ -	\$ -	\$ -	\$ -	\$ 854,306

<b>Project Description:</b>	Design and construction of Jensen Dormitory in Cazadero Camp, which was destroyed by a landslide in April, 2016.
<b>Project Justification:</b>	Costs associated with Jensen Dorm replacement are eligible for coverage under the City's insurance policy, and is necessary to restore full capacity to Cazadero Camp.
<b>Project Location:</b>	5000 Austin Creek Road, Cazadero, CA 95421
<b>History/Notes:</b>	Landslide occurred in April, 2016. Emergency tree removals and stabilization, design of permanent landslide repair completed in FY16-FY17, permanent landslide repair construction completed in FY18, Jensen Dormitory replacement design services encumbered in FY19.  This project will be funded by Insurance proceeds

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Gilman Reserve / Facility Assessment / Sewer Lateral  
**Project Number:** tbd  
**Total Cost:** \$100,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
<b>Total</b>	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

<b>Project Description:</b>	Recurring allocation to City of Berkeley's commitment to the Tom Bates (Gilman) Fields turf replacement fund (\$15k/yr); plus set-asides for facility condition assessments and sewer lateral upgrades.
<b>Project Justification:</b>	These meet ongoing commitments, compliance requirements, and facility assessment needs.
<b>Project Location:</b>	Citywide
<b>History/Notes:</b>	

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Cedar Rose Tennis Court  
**Project Number:** tbd  
**Total Cost:** \$400,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	- \$ 400,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	- \$ -
<b>Total</b>	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	- \$ 400,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	- \$ 400,000
<b>Total</b>	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	- \$ 400,000

<b>Project Description:</b>	Repair and renovate existing tennis courts and related infrastructure.
<b>Project Justification:</b>	Tennis courts are in need of major maintenance and safety improvements.
<b>Project Location:</b>	Cedar Rose Park
<b>History/Notes:</b>	

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: West Campus Pool Filter  
 Project Number: tbd  
 Total Cost: \$175,000  
 Department: Parks, Recreation & Waterfront

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Total	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000

**Project Description:** Replace existing pool filters and improve related infrastructure.

**Project Justification:** Pool filters are in need of replacement and improvements.

**Project Location:** West Campus Pool

**History/Notes:**

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

**Project Name:** King School Park Play Area  
**Project Number:** tbd  
**Total Cost:** \$50,000  
**Department:** Parks, Recreation & Waterfront

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
<b>Total</b>	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

**Project Description:** Reconstruct tot playground to as-was plus code.

**Project Justification:** Supplement insurance claim from fallen tree.

**Project Location:** King School Park

**History/Notes:**

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Grove Park play equipment  
**Project Number:** tbd  
**Total Cost:** \$400,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
Fund -Cap. Imprvmt.	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
<b>Total</b>	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000

<b>Project Description:</b>	Repair and renovate existing playground area and related infrastructure.
<b>Project Justification:</b>	Play area is in need of major maintenance and safety improvements.
<b>Project Location:</b>	Grove Park
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Skate Park Fencing Improvement  
**Project Number:** tbd  
**Total Cost:** \$300,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000
<b>Total</b>	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000

<b>Project Description:</b>	Repair and replace existing fencing around the skate park, and improve related infrastructure.
<b>Project Justification:</b>	Fencing is in need of major maintenance and safety improvements.
<b>Project Location:</b>	Skate Park
<b>History/Notes:</b>	

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: John Hinkel Play Area  
 Project Number: tbd  
 Total Cost: \$400,000  
 Department: Parks, Recreation & Waterfront

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
Total	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000

**Project Description:** Develop play area and picnic site at John Hinkel Park.

**Project Justification:** Play area improvements to address safety concerns.

**Project Location:** John Hinkel Park

**History/Notes:**



City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Aquatic Park-Dream Land Improvements

**Project Number:** tbd

**Total Cost:** \$200,000

**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Cap. Imprvmt.	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
<b>Total</b>	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000

<b>Project Description:</b>	Repair and renovate existing playground area and related infrastructure.
<b>Project Justification:</b>	Dreamland is in need of major maintenance and improvements.
<b>Project Location:</b>	Aquatic Park Dream Land
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Finger Dock & Piling Replacement

**Project Number:** tbd

**Total Cost:** \$350,000

**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Marina	\$ -	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000
<b>Total</b>	\$ -	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000

<b>Project Description:</b>	Replace aging finger docks and broken pilings.
<b>Project Justification:</b>	Maintenance of deteriorated infrastructure.
<b>Project Location:</b>	Berkeley Marina
<b>History/Notes:</b>	

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Lateral Work  
**Project Number:** tbd  
**Total Cost:** \$100,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	- \$ 100,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	- \$ -
<b>Total</b>	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	- \$ 100,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Marina	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	- \$ 100,000
<b>Total</b>	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	- \$ 100,000

<b>Project Description:</b>	Perform inspection on all sewer laterals in the Berkeley Marina. Laterals will then be tested, repaired, or replaced based on inspection results.
<b>Project Justification:</b>	The Consent Decree from the EPA requires all city properties to be in compliance by 2020.
<b>Project Location:</b>	Berkeley Marina
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Restroom Upgrade  
**Project Number:** tbd  
**Total Cost:** \$250,000  
**Department:** Parks, Recreation & Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Parks Tax	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
<b>Total</b>	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000

<b>Project Description:</b>	Renovate the aging Marina restrooms.
<b>Project Justification:</b>	Maintenance of deteriorated infrastructure.
<b>Project Location:</b>	Berkeley Marina
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Aquatic Park Tide Tubes  
**Project Number:** T1PK01/ PRWT119001  
**Total Cost:** \$345,835  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 220,835	\$ -	\$ -	\$ -	\$ -	\$ 220,835
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 220,835	\$ -	\$ -	\$ -	\$ -	\$ 220,835

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 220,835	\$ -	\$ -	\$ -	\$ -	\$ 220,835
<b>Total</b>	\$ -	\$ 220,835	\$ -	\$ -	\$ -	\$ -	\$ 220,835

<b>Project Description:</b>	Final design, acquiring regulatory permits and environmental documents, and preparation of construction documents for repair of the tide tubes connecting the main lagoon with the Bay.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	Aquatic Park: 80 Bolivar Drive
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Frances Albrier Community Center  
**Project Number:** T1PK03/ PRWT119003  
**Total Cost:** \$741,075  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 425,000	\$ 215,162	\$ -	\$ -	\$ -	\$ 640,162
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 425,000	\$ 215,162	\$ -	\$ -	\$ -	\$ 640,162

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 425,000	215,162	\$ -	\$ -	\$ -	\$ 640,162
<b>Total</b>	\$ -	\$ 425,000	\$ 215,162	\$ -	\$ -	\$ -	\$ 640,162

<b>Project Description:</b>	Evaluation of site conditions, facility and structural assessments, and recreation programming to determine what improvements to move forward with to upgrade the center as a Care and Shelter facility and for improved recreation programming and opportunities.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	2800 Park Street, Berkeley
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Grove Park Phase II  
**Project Number:** T1PK04/ PRWT119004  
**Total Cost:** \$988,100  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 880,325	\$ -	\$ -	\$ -	\$ -	\$ 880,325
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 880,325	\$ -	\$ -	\$ -	\$ -	\$ 880,325

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 880,325	\$ -	\$ -	\$ -	\$ -	\$ 880,325
<b>Total</b>	\$ -	\$ 880,325	\$ -	\$ -	\$ -	\$ -	\$ 880,325

<b>Project Description:</b>	Improvements to the ballfield, dugouts, site lighting and accessibility for safety and energy savings, including improvements to site drainage; partial renovation of the restroom building.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1730 Oregon St, Berkeley
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Live Oak Community Center  
**Project Number:** T1PK05/ PRWT119005  
**Total Cost:** \$4,841,690  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 4,232,106	\$ -	\$ -	\$ -	\$ -	\$ 4,232,106
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 4,232,106	\$ -	\$ -	\$ -	\$ -	\$ 4,232,106

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 4,232,106	\$ -	\$ -	\$ -	\$ -	\$ 4,232,106
<b>Total</b>	\$ -	\$ 4,232,106	\$ -	\$ -	\$ -	\$ -	\$ 4,232,106

<b>Project Description:</b>	Seismic retrofit, deferred maintenance upgrades, and programming improvements to upgrade the center as a Care and Shelter facility and enable improved recreation programming.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1301 Shattuck Ave, Berkeley
<b>History/Notes:</b>	



**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** University Avenue, Marina Boulevard, Spinnaker Street  
**Project Number:** T1PK06/ PRWT119006  
**Total Cost:** \$3,458,350  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 2,056,908	\$ 934,295	\$ -	\$ -	\$ -	\$ 2,991,203
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 2,056,908	\$ 934,295	\$ -	\$ -	\$ -	\$ 2,991,203

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 2,056,908	\$ 934,295	\$ -	\$ -	\$ -	\$ 2,991,203
<b>Total</b>	\$ -	\$ 2,056,908	\$ 934,295	\$ -	\$ -	\$ -	\$ 2,991,203

<b>Project Description:</b>	Final design, obtaining permits, and pavement reconstruction. Design will be based on the preferred alternative identified in the Feasibility Study on Mitigation of Undulating Pavement at University Avenue.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	University Avenue, Marina Boulevard, Spinnaker Street
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Municipal Pier  
**Project Number:** T1PK07/ PRWT119007  
**Total Cost:** \$889,290  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 83,022	\$ -	\$ -	\$ -	\$ -	\$ 83,022
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 83,022	\$ -	\$ -	\$ -	\$ -	\$ 83,022

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 83,022	\$ -	\$ -	\$ -	\$ -	\$ 83,022
<b>Total</b>	\$ -	\$ 83,022	\$ -	\$ -	\$ -	\$ -	\$ 83,022

<b>Project Description:</b>	Final design, acquiring regulatory permits and environmental documents, and preparation of construction documents for structural repairs to restore the pier for recreational use.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	University Avenue, Berkeley, CA
<b>History/Notes:</b>	*WETA contribution for expanded feasibility study for a WETA scale ferry service of up to \$250,000 pending WETA approval.

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** George Florence Play Equipment  
**Project Number:** T1PK08/ PRWT119008  
**Total Cost:** \$717,860  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 656,703	\$ -	\$ -	\$ -	\$ -	\$ 656,703
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 656,703	\$ -	\$ -	\$ -	\$ -	\$ 656,703

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Parks Tax	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Fund-Measure T1	\$ -	\$ 531,703	\$ -	\$ -	\$ -	\$ -	\$ 531,703
<b>Total</b>	\$ -	\$ 656,703	\$ -	\$ -	\$ -	\$ -	\$ 656,703

<b>Project Description:</b>	Renovate age 2-5 play structures and age 5-12 play structures and complete ADA improvements.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	2121 Tenth Street, Berkeley
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** San Pablo Play Equipment  
**Project Number:** T1PK09/ PRWT119009  
**Total Cost:** \$1,437,505  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$1,437,505	\$ -	\$ -	\$ -	\$ -	\$ 1,437,505
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 1,437,505	\$ -	\$ -	\$ -	\$ -	\$ 1,437,505

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund -Cap. Imprvmt.	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Fund -Parks Tax	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Fund-Measure T1	\$ -	\$ 1,037,505	\$ -	\$ -	\$ -	\$ -	\$ 1,037,505
<b>Total</b>	\$ -	\$ 1,437,505	\$ -	\$ -	\$ -	\$ -	\$ 1,437,505

<b>Project Description:</b>	Renovate ages 2-5 and 5-12 play structures and complete ADA improvements. Renovation of the existing lighted tennis courts at San Pablo Park.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	2800 Park Street, Berkeley
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Strawberry Creek Park Phase 2  
**T1PK11/ PRWT119011**  
**Total Cost:** \$345,835  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$345,835	\$ -	\$ -	\$ -	\$ -	\$ 345,835
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 345,835	\$ -	\$ -	\$ -	\$ -	\$ 345,835

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 345,835	\$ -	\$ -	\$ -	\$ -	\$ 345,835
<b>Total</b>	\$ -	\$ 345,835	\$ -	\$ -	\$ -	\$ -	\$ 345,835

<b>Project Description:</b>	Renovate playground, restroom, and ADA improvements at Strawberry Creek Park.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1260 West Street, Berkeley
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Rose Garden-Phase II  
**Project Number:** T1PK12/ PRWT119012  
**Total Cost:** \$1,281,389  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 1,281,389	\$ -	\$ -	\$ -	\$ -	\$ 1,281,389
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 1,281,389	\$ -	\$ -	\$ -	\$ -	\$ 1,281,389

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Parks Tax	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Fund -Cap. Imprvmt.	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Fund-Measure T1	\$ -	\$ 1,131,389	\$ -	\$ -	\$ -	\$ -	\$ 1,131,389
<b>Total</b>	\$ -	\$ 1,281,389	\$ -	\$ -	\$ -	\$ -	\$ 1,281,389

<b>Project Description:</b>	Renovation of existing site pathways and construction of new pathways and retaining walls to provide an accessible path of travel to the center of the trellis. Reconstruction of portions or all of the tennis courts for safety. Parks Tax funds have been added for irrigation improvements.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	1200 Euclid Avenue, Berkeley
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Gilman Fieldhouse/Restroom  
**Project Number:** T1PK14/ PRWT119014  
**Total Cost:** \$247,025  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 247,025	\$ -	\$ -	\$ -	\$ -	\$ 247,025
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 247,025	\$ -	\$ -	\$ -	\$ -	\$ 247,025

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 197,025	\$ -	\$ -	\$ -	\$ -	\$ 197,025
<b>Total</b>	\$ -	\$ 197,025	\$ -	\$ -	\$ -	\$ -	\$ 197,025

<b>Project Description:</b>	Evaluation of needs for restroom and storage, analysis of utility and supporting infrastructure needed, and development of detailed design and construction documents.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	400-408 Gilman Street, Berkeley
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Willard Clubhouse Renovation  
**Project Number:** T1PK16/ PRWT119016  
**Total Cost:** \$247,025  
**Department:** Parks, Recreation and Waterfront

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 172,025	\$ -	\$ -	\$ -	\$ -	\$ 172,025
Ops/Maint Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ 172,025	\$ -	\$ -	\$ -	\$ -	\$ 172,025

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund-Measure T1	\$ -	\$ 172,025	\$ -	\$ -	\$ -	\$ -	\$ 172,025
<b>Total</b>	\$ -	\$ 172,025	\$ -	\$ -	\$ -	\$ -	\$ 172,025

<b>Project Description:</b>	Planning and design to renovate or expand the Willard Clubhouse.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	2720 Hillgass Avenue, Berkeley
<b>History/Notes:</b>	



# SANITARY SEWER SYSTEM

## Summary

There are 254 miles of public sanitary sewer mains and 130 miles of public sewer laterals serving an area of approximately 6,300 acres. Approximately 89% (227 miles of sewer main and associated sewer laterals) have been replaced since the current program started in 1987. The remaining sewers range in age from 30 to 100 years with the average age around 60 years old. The sewer pipes are beyond or near the end of normal life expectancy, and are in need of rehabilitation or repair.

In September 2014, the Consent Decree (CD) was finalized, with EBMUD and its seven satellite collection system agencies-- agencies to which EBMUD provides sewage treatment (Cities of Alameda, Albany, Berkeley, Emeryville, Oakland, and Piedmont and the Stege Sanitary District, which serves parts of El Cerrito and Kensington). The CD addressed the EPA's concerns regarding excess wet weather flows and facility discharges. The settlement reached required each agency to develop plans and programs to reduce inflow and infiltration (I&I), reduce sanitary sewer overflows, and repair and replace aging sewer pipelines. Under the final CD requirements, Berkeley agreed to replace an average of 4.2 miles of sewer pipeline annually for the next 10 years; replace noncompliant manholes; perform regular condition assessment, spot repairs, and increase required maintenance activities.

Prior to the Consent Decree, a total of approximately \$4.5 million per year was budgeted for sewer capital. In 2016, a sewer rate study and Proposition 218 process led to the adoption of a series of rate adjustments to support the added financial load of the Consent Decree requirements. Based on current construction costs, a total of approximately \$17-21 Million in annual capital expenditures is necessary to cover increased costs of CD compliance.

There are also approximately 31,600 private sewer laterals (130 miles), many of which are expected to need repair or replacement. Private portions of the collection system are believed to be a major cause of ongoing I/I problems. In 2006, Berkeley began a private lateral program to address this issue. To date, approximately 36% of City private sewer laterals have been tested or replaced.

## Accomplishments

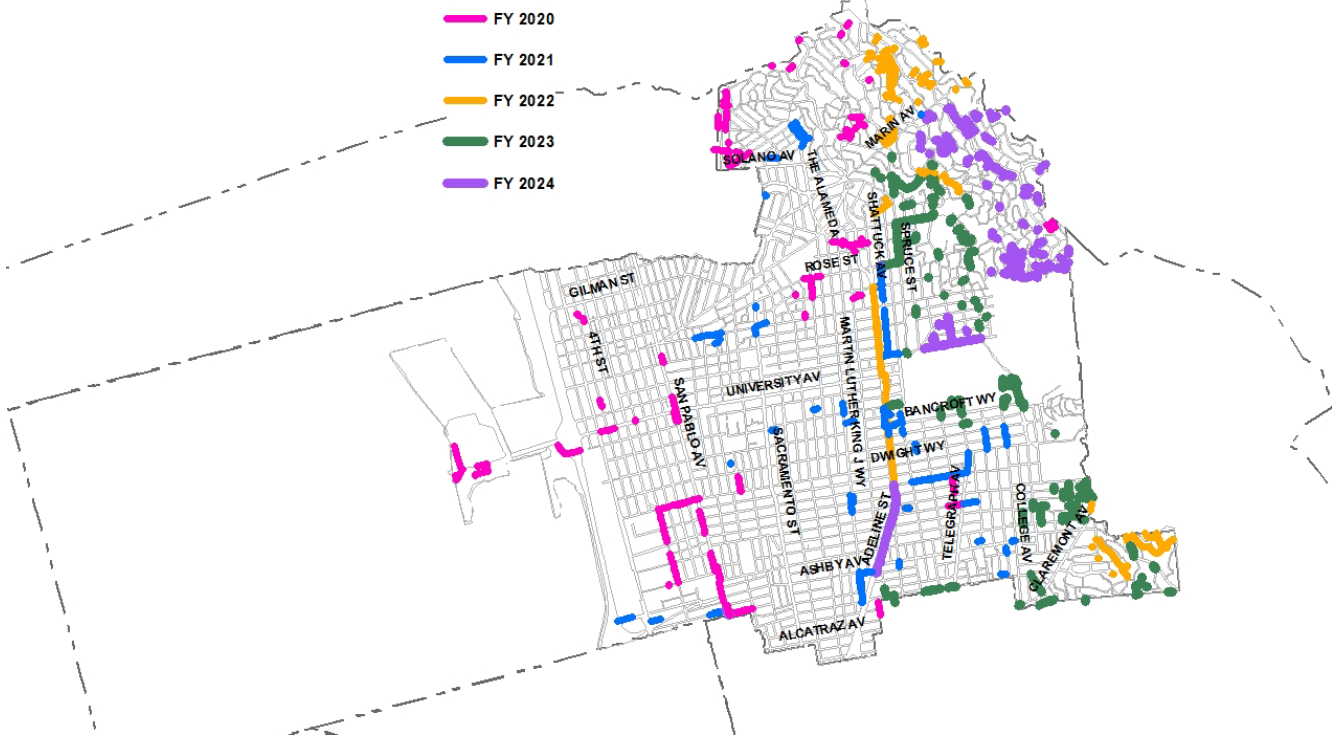
Sanitary sewer CIP projects completed in FY 2018 and FY 2019 include major segments on Martin Luther King Junior Way, Virginia Street, Haste Street, Ninth Street, San Pablo Avenue between Russell Street and Ashby Avenue, and Third Street. The completed scope included the rehabilitation of approximately 8.8 miles of sewer mains at a construction cost of about \$21M. Currently, staff is working on the design for FY 2020 sanitary sewer rehabilitations and replacements including major segments on San Pablo Avenue (from City limit to City limit), Neilson Street, and Seventh Street. The estimated construction cost of the FY 2020 projects is \$11.8M. Construction is scheduled to start in the fall 2019 and projected to be completed by June 30, 2020.

## **SANITARY SEWER SYSTEM**

### **Funding**

The capital program is funded entirely by sewer fees, which are adopted by Council on an annual basis. A five-year phased-in approach to rate adjustments for single family residential customers was implemented in FY 2016. A final rate increase of 3.6% is scheduled for FY 2020. Future rate adjustments will be considered for FY 2021, or beyond if projected to be necessary to fund costs for sewer maintenance and rehabilitation.

**5- YEAR SEWER CAPITAL IMPROVEMENT PROGRAM  
(FY 2020 TO FY 2024)**



# Sanitary Sewer

## Program and Funding Summary

<b>Program Summary</b>						
<b>Project Description</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
<b>Recurring Funding</b>						
Sewer Rehabilitation	13,910,402	14,561,497	16,349,046	13,104,019	16,598,034	74,522,998
Sewer Design & Planning (Next year)	4,472,795	4,963,915	4,389,704	4,374,612	3,405,518	21,606,543
<b>Total</b>	<b>18,383,197</b>	<b>19,525,412</b>	<b>20,738,750</b>	<b>17,478,631</b>	<b>20,003,551</b>	<b>96,129,541</b>
<b>Funding Summary</b>						
<b>Fund Source</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
Sanitary Sewer Fund	18,383,197	19,525,412	20,738,750	17,478,631	20,003,551	96,129,541
<b>Total</b>	<b>18,383,197</b>	<b>19,525,412</b>	<b>20,738,750</b>	<b>17,478,631</b>	<b>20,003,551</b>	<b>96,129,541</b>

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - Sanitary Sewer Master Plan

**Project Number:** PWENSR1908 (19SR08)

**Project Total Cost:** \$ 1,086,212      **FY 20-24 Program Cost:** \$ 812,159

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 274,053	\$ 623,106	\$ 189,053				\$ 812,159
Staff/Labor	\$ 49,053	\$ 98,106	\$ 49,053				\$ 147,159
Design/Consultant	\$ 225,000	\$ 525,000	\$ 140,000				\$ 665,000
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 274,053</b>	<b>\$ 623,106</b>	<b>\$ 189,053</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 812,159</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) -						
Sanitary Sewer Fee	\$ 274,053	\$ 623,106	\$ 189,053			\$ 812,159
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ 274,053</b>	<b>\$ 623,106</b>	<b>\$ 189,053</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 812,159</b>

<b>Project Description:</b>	Perform condition assessment on the City's sanitary sewer collection system, update sanitary sewer hydraulic model, and develop sanitary sewer CIP projects.
<b>Project Justification:</b>	To support the sewer CIP planning and budgeting
<b>Project Location:</b>	Various locations. Council District - All Districts
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - San Pablo (City's Limit to Limit)

**Project Number:** PWENSR2001 (20SR01)

**Project Total Cost:** \$ 3,783,035      **FY 20-24 Program Cost:** \$ 3,256,112

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 526,923	\$ 3,256,112					\$ 3,256,112
Staff/Labor	\$ 353,038	\$ 190,098					\$ 190,098
Design/Consultant	\$ 173,885	\$ 93,630					\$ 93,630
Construction	\$ -	\$ 2,972,385					\$ 2,972,385
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 526,923</u>	<u>\$ 3,256,112</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,256,112</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ 526,923	\$ 3,256,112					\$ 3,256,112
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ 526,923</u>	<u>\$ 3,256,112</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,256,112</u>

<b>Project Description:</b>	Rehabilitate approximately 4,421 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along San Pablo Avenue.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Street segments along San Pablo Avenue. Council Districts 1 & 2.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Neilson, Berryman, et al  
**Project Number:** PWENSR2002 (20SR02)  
**Project Total Cost:** \$ 5,246,398      **FY 20-24 Program Cost:** \$ 4,515,649  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 730,748	\$ 4,515,649					\$ 4,515,649
Staff/Labor	\$ 489,601	\$ 263,631					\$ 263,631
Design/Consultant	\$ 241,147	\$ 129,848					\$ 129,848
Construction	\$ -	\$ 4,122,169					\$ 4,122,169
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 730,748</u>	<u>\$ 4,515,649</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,515,649</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ 730,748	\$ 4,515,649					\$ 4,515,649
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ 730,748</u>	<u>\$ 4,515,649</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,515,649</u>

**Project Description:** Rehabilitate approximately 8,358 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Neilson, Peralta, Capistrano, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along San Pablo Avenue. Council Districts 5 & 6.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Seawall Dr, Seventh St, et al  
**Project Number:** PWENSR2003 (20SR03)  
**Project Total Cost:** \$ 5,925,153      **FY 20-24 Program Cost:** \$ 5,099,864  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 825,289	\$ 5,099,864					\$ 5,099,864
Staff/Labor	\$ 552,944	\$ 297,739					\$ 297,739
Design/Consultant	\$ 272,345	\$ 146,648					\$ 146,648
Construction	\$ -	\$ 4,655,478					\$ 4,655,478
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 825,289</u>	<u>\$ 5,099,864</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,099,864</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ 825,289	\$ 5,099,864					\$ 5,099,864
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ 825,289</u>	<u>\$ 5,099,864</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,099,864</u>

**Project Description:** Rehabilitate approximately 8,385 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Seawall Dr, Seventh St, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along San Pablo Avenue. Council Districts 1 & 2.

**History/Notes:**



City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - West Frontage (Caltrans ROW)  
**Project Number:** PWENSR2004 (20SR04)  
**Project Total Cost:** \$ 786,659      **FY 20-24 Program Cost:** \$ 677,089  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 109,570	\$ 182,617	\$ 494,472				\$ 677,089
Staff/Labor	\$ 73,412	\$ 39,530					\$ 39,530
Design/Consultant	\$ 36,158	\$ 19,470					\$ 19,470
Construction	\$ -	\$ 123,618	\$ 494,472				\$ 618,089
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 109,570</b>	<b>\$ 182,617</b>	<b>\$ 494,472</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 677,089</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) - Sanitary Sewer Fee	\$ 109,570	\$ 182,617	\$ 494,472			\$ 677,089
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ 109,570</b>	<b>\$ 182,617</b>	<b>\$ 494,472</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 677,089</b>

**Project Description:** Rehabilitate approximately 896 linear feet of sanitary sewer mains along West Frontage Road and crossing under Highway 80.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along West Frontage Road and Highway 80. Council District 2.

**History/Notes:** This project is required Caltrans permit for surveying and construction. One of the manholes is located in the middle of the off-ramp and it will require Caltrans to close the off-ramp for surveying and construction. Also, the project connects to EBMUD 66-inch interceptor.

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2020 Sewer Urgent Repair

**Project Number:** PWENSR2005 (20SR05)

2020

**Project Total Cost:** \$ 584,929      **FY 20-24 Program Cost:** \$ 503,457

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 81,472	\$ 503,457	\$ -				\$ 503,457
Staff/Labor	\$ 54,586	\$ 29,393					\$ 29,393
Design/Consultant	\$ 26,886	\$ 14,477					\$ 14,477
Construction	\$ -	\$ 459,587					\$ 459,587
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 81,472</u>	<u>\$ 503,457</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 503,457</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) - Sanitary Sewer Fee	\$ 81,472	\$ 503,457	\$ -			\$ 503,457
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ 81,472</u>	<u>\$ 503,457</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 503,457</u>

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer mains, manholes and sewer laterals at various locations.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

# FY 2020 - 2024 Capital Improvement Program

## Project Form

**Project Name:** Sewer Rehabilitation - FY 2020 MH Rehab

**Project Number:** PWENSR2006 (20SR06)

2020

**Project Total Cost:** \$ 584,929      **FY 20-24 Program Cost:** \$ 503,457

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 81,472	\$ 503,457	\$ -				\$ 503,457
Staff/Labor	\$ 54,586	\$ 29,393					\$ 29,393
Design/Consultant	\$ 26,886	\$ 14,477					\$ 14,477
Construction	\$ -	\$ 459,587					\$ 459,587
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 81,472</b>	<b>\$ 503,457</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 503,457</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) -						
Sanitary Sewer Fee	\$ 81,472	\$ 503,457	\$ -			\$ 503,457
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ 81,472</b>	<b>\$ 503,457</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 503,457</b>

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer manholes at various locations.

**Project Justification:** Referrals by Ops, Smoke Testing program, Service Calls, and routine maintenance.

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Parker St, MLK Wy, et al  
**Project Number:** PWENSR2101 (21SR01)  
**Project Total Cost:** \$ 7,433,939      **FY 20-24 Program Cost:** \$ 7,433,939  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 1,035,441	\$ 6,398,497	\$ -	\$ -	\$ -	\$ 7,433,939
Staff/Labor		\$ 693,746	\$ 373,555				\$ 1,067,301
Design/Consultant		\$ 341,696	\$ 183,990				\$ 525,686
Construction	\$ -		\$ 5,840,952				\$ 5,840,952
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 1,035,441	\$ 6,398,497	\$ -	\$ -	\$ -	\$ 7,433,939

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ -	\$ 1,035,441	\$ 6,398,497	\$ -	\$ -	\$ -	\$ 7,433,939
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	\$ -	\$ 1,035,441	\$ 6,398,497	\$ -	\$ -	\$ -	\$ 7,433,939

**Project Description:** Rehabilitate approximately 7,825 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Parker St, MLK Wy, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along San Pablo Avenue. Council Districts 3, 7, & 8.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - MLK Wy, Cedar St, et al  
**Project Number:** PWENSR2102 (21SR02)  
**Project Total Cost:** \$ 5,618,133      **FY 20-24 Program Cost:** \$ 5,618,133  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 782,526	\$ 4,835,608	\$ -	\$ -	\$ -	\$ 5,618,133
Staff/Labor		\$ 524,292	\$ 282,311				\$ 806,603
Design/Consultant		\$ 258,233	\$ 139,049				\$ 397,282
Construction	\$ -		\$ 4,414,248				\$ 4,414,248
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 782,526</u>	<u>\$ 4,835,608</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,618,133</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ -	\$ 782,526	\$ 4,835,608	\$ -	\$ -	\$ -	\$ 5,618,133
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 782,526</u>	<u>\$ 4,835,608</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,618,133</u>

**Project Description:** Rehabilitate approximately 7,610 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along MLK Wy, Cedar St, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along San Pablo Avenue. Council Districts 1, 2, 3, 4, 7, & 8.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Walnut St, The Alameda, et al

**Project Number:** PWENSR2103 (21SR03)

**Project Total Cost:** \$ 4,264,089      **FY 20-24 Program Cost:** \$ 4,264,089

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 593,927	\$ 3,670,163	\$ -	\$ -	\$ -	\$ 4,264,089
Staff/Labor		\$ 397,931	\$ 214,270				\$ 612,201
Design/Consultant		\$ 195,996	\$ 105,536				\$ 301,532
Construction	\$ -		\$ 3,350,356				\$ 3,350,356
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 593,927	\$ 3,670,163	\$ -	\$ -	\$ -	\$ 4,264,089

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ -	\$ 593,927	\$ 3,670,163	\$ -	\$ -	\$ -	\$ 4,264,089
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	\$ -	\$ 593,927	\$ 3,670,163	\$ -	\$ -	\$ -	\$ 4,264,089

<b>Project Description:</b>	Rehabilitate approximately 6,401 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Walnut St, The Alameda, et al.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Street segments along San Pablo Avenue. Council Districts 4 & 5.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - FY 2021 Sewer Urgent Repair

**Project Number:** PWENSR2104 (21SR04)

2021

**Project Total Cost:** \$ 608,326      **FY 20-24 Program Cost:** \$ 608,326

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 84,731	\$ 523,595				\$ 608,326
Staff/Labor		\$ 56,770	\$ 30,568				\$ 87,338
Design/Consultant	\$ -	\$ 27,961	\$ 15,056				\$ 43,017
Construction	\$ -		\$ 477,971				\$ 477,971
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 84,731	\$ 523,595	\$ -	\$ -	\$ -	\$ 608,326

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (83U) -							
Sanitary Sewer Fee	\$ -	\$ 84,731	\$ 523,595				\$ 608,326
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	\$ -	\$ 84,731	\$ 523,595	\$ -	\$ -	\$ -	\$ 608,326

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer mains, manholes and sewer laterals at various locations.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Sewer Rehabilitation - FY 2021 MH Rehab

Project Number: PWENSR2105 (21SR05)

2021

Project Total Cost: \$ 608,326 FY 20-24 Program Cost: \$ 608,326

Department: Public Works Division: Engineering Capital Program: Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 84,731	\$ 523,595				\$ 608,326
Staff/Labor		\$ 56,770	\$ 30,568				\$ 87,338
Design/Consultant		\$ 27,961	\$ 15,056				\$ 43,017
Construction			\$ 477,971				\$ 477,971
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ 84,731	\$ 523,595	\$ -	\$ -	\$ -	\$ 608,326

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) -						
Sanitary Sewer Fee	\$ -	\$ 84,731	\$ 523,595			\$ 608,326
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
Total	\$ -	\$ 84,731	\$ 523,595	\$ -	\$ -	\$ 608,326

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer manholes at various locations.

**Project Justification:** Referrals by Ops, Smoke Testing program, Service Calls, and routine maintenance.

**Project Location:** Various locations. Council District - TBD

**History/Notes:**



## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2021 Condition Assessment (CCTV)

**Project Number:** PWENSR2106 (21SR06)

2022

**Project Total Cost:** \$ 486,661 **FY 20-24 Program Cost:** \$ 486,661

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 486,661	\$ -	\$ -	\$ -	\$ 486,661
Staff/Labor			\$ 486,661	\$ -			\$ 486,661
Design/Consultant			\$ -	\$ -			\$ -
Construction				\$ -			\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 486,661</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 486,661</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 486,661	\$ -	\$ -	\$ 486,661
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 486,661</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 486,661</b>

<b>Project Description:</b>	Sanitary Sewer Collection System Condition Assessment
<b>Scope of Work:</b>	Perform CCTV Inspections and produce inspection reports meeting NASSCP PACP Standards; evaluate the condition of sewer mains, manholes and lateral connections inspected; Identify critical structural and O&M defects; Prioritize repairs and provide rehab recommendations. Draft Condition Assessment Reports to summarize the findings and recommendations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	TBD
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Shattuck Ave (Vine - Parker)  
**Project Number:** PWENSR2201 (22SR01)  
**Project Total Cost:** \$10,474,463      **FY 20-24 Program Cost:** \$10,474,463  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 1,458,943	\$ 9,015,520	\$ -	\$ -	\$ 10,474,463
Staff/Labor			\$ 977,492	\$ 526,342			\$ 1,503,834
Design/Consultant			\$ 481,451	\$ 259,243			\$ 740,694
Construction	\$ -			\$ 8,229,935			\$ 8,229,935
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 1,458,943	\$ 9,015,520	\$ -	\$ -	\$ 10,474,463

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 1,458,943	\$ 9,015,520	\$ -	\$ -	\$ 10,474,463
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	\$ -	\$ -	\$ 1,458,943	\$ 9,015,520	\$ -	\$ -	\$ 10,474,463

**Project Description:** Rehabilitate approximately 7,850 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Shattuck Ave, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Shattuck Avenue. Council Districts 3, 4, & 5.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Cragmont Ave, Alvarado Rd, et al  
**Project Number:** PWENSR2202 (22SR02)  
**Project Total Cost:** \$ 5,089,400      **FY 20-24 Program Cost:** \$ 5,089,400  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 708,881	\$ 4,380,520	\$ -	\$ -	\$ 5,089,400
Staff/Labor			\$ 474,950	\$ 255,742			\$ 730,692
Design/Consultant			\$ 233,931	\$ 125,963			\$ 359,893
Construction	\$ -			\$ 3,998,815			\$ 3,998,815
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 708,881	\$ 4,380,520	\$ -	\$ -	\$ 5,089,400

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 708,881	\$ 4,380,520	\$ -	\$ 5,089,400
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 708,881	\$ 4,380,520	\$ -	\$ 5,089,400

**Project Description:** Rehabilitate approximately 7,766 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Cragmont Ave, Alvarado Rd, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Cragmont Ave, Alvarado Rd, et al. Council Districts 5, 6, & 8.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Euclid Ave, Grizzly Peak Blvd, et al  
**Project Number:** PWENSR2203 (22SR03)  
**Project Total Cost:** \$ 3,978,695      **FY 20-24 Program Cost:** \$ 3,978,695  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 554,175	\$ 3,424,520	\$ -	\$ -	\$ 3,978,695
Staff/Labor			\$ 371,298	\$ 199,929			\$ 571,227
Design/Consultant			\$ 182,878	\$ 98,473			\$ 281,351
Construction	\$ -			\$ 3,126,118			\$ 3,126,118
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 554,175</u>	<u>\$ 3,424,520</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,978,695</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 554,175	\$ 3,424,520	\$ -	\$ -	\$ 3,978,695
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 554,175</u>	<u>\$ 3,424,520</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,978,695</u>

**Project Description:** Rehabilitate approximately 6,615 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Euclid Ave, Grizzly Peak Blvd, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Euclid Ave, Grizzly Peak Blvd, et al. Council District 6.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - FY 2022 Sewer Urgent Repair

**Project Number:** PWENSR2204 (22SR04)

2022

**Project Total Cost:** \$ 632,660      **FY 20-24 Program Cost:** \$ 632,660

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ -	\$ 632,660
Staff/Labor			\$ 59,041	\$ 31,791			\$ 90,832
Design/Consultant	\$ -		\$ 29,080	\$ 15,658			\$ 44,738
Construction	\$ -			\$ 497,090			\$ 497,090
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ -	\$ 632,660

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ 632,660
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ 632,660

<b>Project Description:</b>	The scope of this project is to design and construct/rehabilitate defective sanitary sewer mains, manholes and sewer laterals at various locations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Various locations. Council District - TBD
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2022 Manhole Rehab  
**Project Number:** PWENSR2205 (22SR05) 2022  
**Project Total Cost:** \$ 632,660 **FY 20-24 Program Cost:** \$ 632,660  
**Department:** Public Works **Division:** Engineering **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ -	\$ 632,660
Staff/Labor			\$ 59,041	\$ 31,791			\$ 90,832
Design/Consultant			\$ 29,080	\$ 15,658			\$ 44,738
Construction				\$ 497,090			\$ 497,090
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ -	\$ 632,660

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ 632,660
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 88,120	\$ 544,539	\$ -	\$ 632,660

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer manholes at various locations.  
  
**Project Justification:** Referrals by Ops, Smoke Testing program, Service Calls, and routine maintenance.  
  
**Project Location:** Various locations. Council District - TBD  
  
**History/Notes:**

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2022 Condition Assessment (CCTV)

**Project Number:** PWENSR2206 (22SR06)

2022

**Project Total Cost:** \$ 506,128      **FY 20-24 Program Cost:** \$ 506,128

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 506,128	\$ -	\$ -	\$ 506,128
Staff/Labor			\$ -	\$ 506,128			\$ 506,128
Design/Consultant			\$ -	\$ -			\$ -
Construction				\$ -			\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ 506,128	\$ -	\$ -	\$ 506,128

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ 506,128	\$ -	\$ -	\$ 506,128
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ -	\$ 506,128	\$ -	\$ -	\$ 506,128

<b>Project Description:</b>	Sanitary Sewer Collection System Condition Assessment
<b>Scope of Work:</b>	Perform CCTV Inspections and produce inspection reports meeting NASSCP PACP Standards; evaluate the condition of sewer mains, manholes and lateral connections inspected; Identify critical structural and O&M defects; Prioritize repairs and provide rehab recommendations. Draft Condition Assessment Reports to summarize the findings and recommendations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	TBD
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - Piedmont Ave, Woolsey St, et al

**Project Number:** PWENSR2301 (23SR01)

**Project Total Cost:** \$ 5,060,725      **FY 20-24 Program Cost:** \$ 5,060,725

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 704,887	\$ 4,355,839	\$ -	\$ 5,060,725
Staff/Labor				\$ 472,274	\$ 254,301		\$ 726,576
Design/Consultant				\$ 232,613	\$ 125,253		\$ 357,866
Construction	\$ -				\$ 3,976,284		\$ 3,976,284
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 704,887</u>	<u>\$ 4,355,839</u>	<u>\$ -</u>	<u>\$ 5,060,725</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 704,887	\$ 4,355,839	\$ -	\$ 5,060,725
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 704,887</u>	<u>\$ 4,355,839</u>	<u>\$ -</u>	<u>\$ 5,060,725</u>

**Project Description:** Rehabilitate approximately 7,647 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Piedmont Ave, Woolsey St, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Piedmot Ave, Woolsey St, et al. Council Districts 3, 4, 7, & 8.

**History/Notes:**



FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Sewer Rehabilitation - Spruce St, Eunice St, et al

Project Number: PWENSR2302 (23SR02)

Project Total Cost: \$ 5,779,564 FY 20-24 Program Cost: \$ 5,779,564

Department: Public Works Division: Engineering Capital Program: Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 805,011	\$ 4,974,553	\$ -	\$ 5,779,564
Staff/Labor				\$ 539,357	\$ 290,423		\$ 829,780
Design/Consultant				\$ 265,654	\$ 143,044		\$ 408,698
Construction	\$ -				\$ 4,541,086		\$ 4,541,086
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ -	\$ -	\$ 805,011	\$ 4,974,553	\$ -	\$ 5,779,564

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 805,011	\$ 4,974,553	\$ -	\$ 5,779,564
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
Total	\$ -	\$ -	\$ -	\$ 805,011	\$ 4,974,553	\$ -	\$ 5,779,564

**Project Description:** Rehabilitate approximately 7,275 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Spruce St, Eunice St, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Spruce St, Eunice St, et al. Council Districts 6, 7, & 8.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - Tanglewood Rd, La Loma Ave, et al

**Project Number:** PWENSR2303 (23SR03)

**Project Total Cost:** \$ 4,521,621      **FY 20-24 Program Cost:** \$ 4,521,621

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 629,797	\$ 3,891,824	\$ -	\$ 4,521,621
Staff/Labor				\$ 421,964	\$ 227,211		\$ 649,176
Design/Consultant				\$ 207,833	\$ 111,910		\$ 319,743
Construction	\$ -				\$ 3,552,702		\$ 3,552,702
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 629,797</u>	<u>\$ 3,891,824</u>	<u>\$ -</u>	<u>\$ 4,521,621</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 629,797	\$ 3,891,824	\$ -	\$ 4,521,621
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 629,797</u>	<u>\$ 3,891,824</u>	<u>\$ -</u>	<u>\$ 4,521,621</u>

<b>Project Description:</b>	Rehabilitate approximately 7,303 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Tanglewood Rd, La Loma Ave, et al.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Street segments along Tanglewood Rd, La Loma Ave, et al. Council District 6.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sewer Rehabilitation - FY 2023 Sewer Urgent Repair

**Project Number:** PWENSR2304 (23SR04)

2023

**Project Total Cost:** \$ 657,966      **FY 20-24 Program Cost:** \$ 657,966

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321		\$ 657,966
Staff/Labor				\$ 61,402	\$ 33,063		\$ 94,465
Design/Consultant	\$ -			\$ 30,243	\$ 16,285		\$ 46,528
Construction	\$ -				\$ 516,973		\$ 516,973
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321	\$ -	\$ 657,966

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321	\$ -	\$ 657,966
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321	\$ -	\$ 657,966

<b>Project Description:</b>	The scope of this project is to design and construct/rehabilitate defective sanitary sewer mains, manholes and sewer laterals at various locations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Various locations. Council District - TBD
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2023 Manhole Rehab  
**Project Number:** PWENSR2305 (23SR05) 2023  
**Project Total Cost:** \$ 657,966 **FY 20-24 Program Cost:** \$ 657,966  
**Department:** Public Works **Division:** Engineering **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321	\$ -	\$ 657,966
Staff/Labor				\$ 61,402	\$ 33,063		\$ 94,465
Design/Consultant				\$ 30,243	\$ 16,285		\$ 46,528
Construction					\$ 516,973		\$ 516,973
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 91,645</u>	<u>\$ 566,321</u>	<u>\$ -</u>	<u>\$ 657,966</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 91,645	\$ 566,321	\$ -	\$ 657,966
Fund xxx (xxx) -							\$ -
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 91,645</u>	<u>\$ 566,321</u>	<u>\$ -</u>	<u>\$ 657,966</u>

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer manholes at various locations.

**Project Justification:** Referrals by Ops, Smoke Testing program, Service Calls, and routine maintenance.

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2023 Condition Assessment (CCTV)

**Project Number:** PWENSR2306 (23SR06)

2022

**Project Total Cost:** \$ 526,373 **FY 20-24 Program Cost:** \$ 526,373

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 526,373	\$ -	\$ 526,373
Staff/Labor			\$ -	\$ -	\$ 526,373		\$ 526,373
Design/Consultant			\$ -	\$ -	-		\$ -
Construction				\$ -	-		\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 526,373</b>	<b>\$ -</b>	<b>\$ 526,373</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 526,373	\$ -	\$ 526,373
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 526,373</b>	<b>\$ -</b>	<b>\$ 526,373</b>

<b>Project Description:</b>	Sanitary Sewer Collection System Condition Assessment
<b>Scope of Work:</b>	Perform CCTV Inspections and produce inspection reports meeting NASSCP PACP Standards; evaluate the condition of sewer mains, manholes and lateral connections inspected; Identify critical structural and O&M defects; Prioritize repairs and provide rehab recommendations. Draft Condition Assessment Reports to summarize the findings and recommendations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	TBD
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - Poppy Ln, Keeler Ave, et al

**Project Number:** PWENSR2401 (24SR01)

**Project Total Cost:** \$ 4,745,993      **FY 20-24 Program Cost:** \$ 4,745,993

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 661,049	\$ 4,084,944	\$ 4,745,993
Staff/Labor					\$ 442,903	\$ 238,486	\$ 681,389
Design/Consultant					\$ 218,146	\$ 117,463	\$ 335,610
Construction	\$ -					\$ 3,728,995	\$ 3,728,995
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 661,049</u>	<u>\$ 4,084,944</u>	<u>\$ 4,745,993</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 661,049	\$ 4,084,944	\$ 4,745,993
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 661,049</u>	<u>\$ 4,084,944</u>	<u>\$ 4,745,993</u>

<b>Project Description:</b>	Rehabilitate approximately 7,365 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Piedmont Ave, Woolsey St, et al.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	Street segments along Piedmot Ave, Woolsey St, et al. Council District 6.
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - Hearst Ave, Euclid Ave, et al

**Project Number:** PWENSR2402 (24SR02)

**Project Total Cost:** \$ 4,894,185      **FY 20-24 Program Cost:** \$ 4,894,185

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 681,690	\$ 4,212,495	\$ 4,894,185
Staff/Labor					\$ 456,732	\$ 245,933	\$ 702,665
Design/Consultant					\$ 224,958	\$ 121,131	\$ 346,089
Construction	\$ -					\$ 3,845,431	\$ 3,845,431
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 681,690</u>	<u>\$ 4,212,495</u>	<u>\$ 4,894,185</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 681,690	\$ 4,212,495	\$ 4,894,185
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 681,690</u>	<u>\$ 4,212,495</u>	<u>\$ 4,894,185</u>

**Project Description:** Rehabilitate approximately 7,090 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Hearst Ave, Euclid Ave, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Hearst Ave, Euclid Ave, et al. Council Districts 6 & 7.

**History/Notes:**

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - Adeline St, Parnasus Rd, et al

**Project Number:** PWENSR2403 (24SR03)

**Project Total Cost:** \$ 7,639,260      **FY 20-24 Program Cost:** \$ 7,639,260

**Department:** Public Works      **Division:** Engineering      **Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 1,064,040	\$ 6,575,220	\$ 7,639,260
Staff/Labor					\$ 712,907	\$ 383,873	\$ 1,096,779
Design/Consultant					\$ 351,133	\$ 189,072	\$ 540,205
Construction	\$ -					\$ 6,002,275	\$ 6,002,275
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,064,040</u>	<u>\$ 6,575,220</u>	<u>\$ 7,639,260</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total	
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 1,064,040	\$ 6,575,220	\$ 7,639,260
Fund xxx (xxx) -						\$ -	
Fund xxx (xxx) -						\$ -	
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,064,040</u>	<u>\$ 6,575,220</u>	<u>\$ 7,639,260</u>

**Project Description:** Rehabilitate approximately 7,445 linear feet of sanitary sewer mains and the associated manholes, sewer laterals and related work along Adeline St., Parnansus Rd, et al.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Street segments along Adeline St., Parnansus Rd,, et al. Council Districts 2, 3 & 6.

**History/Notes:**



# FY 2020 - 2024 Capital Improvement Program

## Project Form

**Project Name:** Sewer Rehabilitation - FY 2024 Sewer Urgent Repair

**Project Number:** PWENSR2404 (24SR04)

2024

**Project Total Cost:** \$ 684,285      **FY 20-24 Program Cost:** \$ 684,285

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973	\$ 684,285
Staff/Labor				\$ -	\$ 63,858	\$ 34,385	\$ 98,244
Design/Consultant	\$ -			\$ -	\$ 31,453	\$ 16,936	\$ 48,389
Construction	\$ -					\$ 537,652	\$ 537,652
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973	\$ 684,285

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer mains, manholes and sewer laterals at various locations.

**Project Justification:** Meet goals/requirements of the "Consent Decree"

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** Sewer Rehabilitation - FY 2024 Manhole Rehab

**Project Number:** PWENSR2405 (24SR05)

2024

**Project Total Cost:** \$ 684,285      **FY 20-24 Program Cost:** \$ 684,285

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973	\$ 684,285
Staff/Labor					\$ 63,858	\$ 34,385	\$ 98,244
Design/Consultant					\$ 31,453	\$ 16,936	\$ 48,389
Construction						\$ 537,652	\$ 537,652
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 95,311</b>	<b>\$ 588,973</b>	<b>\$ 684,285</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ 95,311	\$ 588,973	\$ 684,285
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 95,311</b>	<b>\$ 588,973</b>	<b>\$ 684,285</b>

**Project Description:** The scope of this project is to design and construct/rehabilitate defective sanitary sewer manholes at various locations.

**Project Justification:** Referrals by Ops, Smoke Testing program, Service Calls, and routine maintenance.

**Project Location:** Various locations. Council District - TBD

**History/Notes:**

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Sewer Rehabilitation - FY 2024 Condition Assessment (CCTV)

Project Number: PWENSR2406 (24SR06)

2022

Project Total Cost: \$ 547,428 FY 20-24 Program Cost: \$ 547,428

Department: Public Works Division: Engineering Capital Program: Sewer

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 547,428	\$ 547,428
Staff/Labor			\$ -	\$ -	\$ -	\$ 547,428	\$ 547,428
Design/Consultant			\$ -	\$ -	\$ -		\$ -
Construction				\$ -	\$ -		\$ -
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 547,428	\$ 547,428

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 547,428	\$ 547,428
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 547,428	\$ 547,428

<b>Project Description:</b>	Sanitary Sewer Collection System Condition Assessment
<b>Scope of Work:</b>	Perform CCTV Inspections and produce inspection reports meeting NASSCP PACP Standards; evaluate the condition of sewer mains, manholes and lateral connections inspected; Identify critical structural and O&M defects; Prioritize repairs and provide rehab recommendations. Draft Condition Assessment Reports to summarize the findings and recommendations.
<b>Project Justification:</b>	Meet goals/requirements of the "Consent Decree"
<b>Project Location:</b>	TBD
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** **FY2025 Design Costs** Sanitary Sewer rehabilitation project design costs.

**Project Number:** **various**

**Project Total Cost:** **TBD** **FY 20-24 Program Cost:** **\$ 3,405,518**

**Department:** Public Works **Division:** Engineering **Capital Program:** Sewer

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost						\$ 3,405,518	\$ 3,405,518
Staff/Labor							\$ -
Design/Consultant						\$ 3,405,518	\$ 3,405,518
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,405,518</b>	<b>\$ 3,405,518</b>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Fund 611 (830) - Sanitary Sewer Fee	\$ -	\$ -	\$ -	\$ -	\$ 3,405,518	\$ 3,405,518
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,405,518</b>	<b>\$ 3,405,518</b>

<b>Project Description:</b>	Design work for FY 2025 Sanitary Sewer Rehabilitation projects.
<b>Project Justification:</b>	Sanitary Sewer Consent Decreee
<b>Project Location:</b>	various locations throughout City of Berkeley.
<b>History/Notes:</b>	

# STORM WATER SYSTEM

## Summary

The City's storm drain system consists of approximately 78 miles of underground pipes, manholes, catch basins, and cross-drains (corner inlets and outlets). The storm water program includes storm water system maintenance, capital improvements, street cleaning, and clean stormwater program activities such as toxics management, clean stormwater education, developing a Green Infrastructure Plan, Watershed Planning documentation, and a food service and industrial inspection program. The storm water infrastructure is more than 80 years old and needs to be rehabilitated. The current backlog of projects include: rehabilitating piping reaches; addressing rising groundwater issues, replacing deteriorated drain inlets and piping; major cleaning of the primary storm collectors in the lower Berkeley Drainage watersheds; and replacing cross drains (storm water "street" crossings). According to the 2011 Watershed Management Plan, the total unfunded capital needs of the storm water system exceed \$208 million (2012 dollars).

## Accomplishments

In FY 2018, Measure M funding was used to construct the bio-swale installation at the intersection of Rose Street and Hopkins Street, and a permeable paver bus pad on the northwest corner of the intersection of Shattuck Avenue and University Avenue. The Hearst/Oxford bio-swale was installed at the SW corner of Hearst Avenue and Oxford Street in FY 2019 as part of the Hearst Avenue Complete Street Project. The City plans to award a contract for the Woolsey Low Impact Development (LID) June 2019, with construction anticipated to begin in October 2019. The performance of Allston Way Permeable Paver Pilot Project is currently being assessed to determine its LID benefits and long-term durability of pavers for streets.

Though not a part of the City's storm drainage infrastructure, Public Works staff are tasked with shepherding creek related projects. Scheduled for FY 2019 and FY 2020 is the design and permitting of two creek projects. The Rose Garden Drainage Project has been designed and submitted for regulatory permits. The Codornices Creek Restoration Project at Kains Avenue is grant funded and in design.

The Municipal Regional Stormwater NPDES Permit (MRP2) requires the City to prepare and its governing body to adopt a Green Infrastructure Program Plan (GI Plan). Staff has prepared a draft plan, made public presentations, and collected comments in FY 2019. The final GI Plan will be presented to the City Council for formal adoption in June 2019.

## Funding

The City has two Clean Stormwater Fee sources. The first source was established in the early 1990's and the fee level of \$2 million per year has not changed. The second source is the 2018 Clean Stormwater Fee enabled by receiving a super-majority approval from

## **STORM WATER SYSTEM**

property owners in accordance with the requirements of Proposition 218. Both fees are assessed to owners of real property that contribute to stormwater runoff and use the City's storm drain system for collection and conveyance. This funding only provides for minor capital and maintenance work and some emergency storm drain response efforts. In addition, the City also receives \$269,000 annually from the University of California as part of a Long Range Development Plan agreement. Annual projected expenditures to maintain the system, including capital replacements to the aging storm drains, storm support and maintenance of the new Green Infrastructure projects currently being installed, exceed available funding.

# Storm Water

## Program and Funding Summary

<b>Program Summary</b>						
<b>Project Description</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
<b>One-Time Funding (Measure M &amp; T1)</b>						
Storm Drain Green Infrastructure	225,000	125,000	600,000	0	0	950,000
Storm Drain Planning and Studies	750,000	525,000	287,500	0	0	1,562,500
Storm Drain Major Repair	75,000	1,135,000	40,000	495,000	1,875,000	3,620,000
<b>T1 Green Infrastructure</b>						
Berkeley Rose Garden Drainage	679,240	0	0	0	0	679,240
<b>Subtotal</b>	<b>1,729,240</b>	<b>1,785,000</b>	<b>927,500</b>	<b>495,000</b>	<b>1,875,000</b>	<b>6,811,740</b>
<b>Funding Summary</b>						
<b>Fund Source</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
Clean Stormwater Fund	1,050,000	1,785,000	927,500	495,000	1,875,000	6,132,500
T1 Infrastructure Bond	679,240	0	0	0	0	679,240
<b>Total</b>	<b>1,729,240</b>	<b>1,785,000</b>	<b>927,500</b>	<b>495,000</b>	<b>1,875,000</b>	<b>6,811,740</b>

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Berkeley Rose Garden Drainage

**Project Number:** T1PW05

**Project Total Cost:** \$ 790,480

**FY 20-24 Program Cost:** \$ 679,239

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Clean Storm - Green Infrastructure

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 111,241	\$ 679,239					\$ 679,239
Staff/Labor							\$ -
Design/Consultant							\$ -
Construction	\$ -						\$ -
<b>Total</b>	<u>\$ 111,241</u>	<u>\$ 679,239</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 679,239</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund 616 (831)	\$ 111,241	\$ 679,239					\$ 679,239
<b>Total</b>	<u>\$ 111,241</u>	<u>\$ 679,239</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 679,239</u>

<b>Project Description:</b>	Improvements to Codornices Creek to repair erosion damage at the downstream end of Rose Garden site.
<b>Project Justification:</b>	Council approved project on June 27, 2017.
<b>Project Location:</b>	
<b>History/Notes:</b>	



City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** GI Allston Way Permeable Paver Maintenance

**Project Number:** tbd

**Project Total Cost:** \$ 200,000

**FY 20-24 Program Cost:** \$ 200,000

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 200,000					\$ 200,000
Staff/Labor		\$ 10,000					\$ 10,000
Design/Consultant	\$ 50,000	\$ 15,000					\$ 15,000
Construction	\$ -	\$ 175,000					\$ 175,000
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 200,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund 616 (831)	\$ 200,000					\$ 200,000
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 200,000</u>

<b>Project Description:</b>	Allston Permeable Paver Maintenance; releveling of settled pavers, cleaning of paver joints and replacement of paver joint aggregate.
<b>Project Justification:</b>	Several areas of the pavers have settled and significant amounts of the paver joint aggregate needs to be replaced to stabilize the pavers.
<b>Project Location:</b>	Allston Way from Milvia to Martin Luther King
<b>History/Notes:</b>	Project was completed in the fall of 2015. Maintenance costs will be used to update the life cycle cost analysis (LCCA) data for this demonstration project.

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Storm Drainage Repairs - WILDCAT/SELBY TRAIL  
**Project Number:**  
**Project Total Cost:** \$ 350,000                      **FY 20-24 Program Cost:** \$ 350,000  
**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 75,000	\$ 275,000	\$ -	\$ -	\$ -	\$ 350,000
Staff/Labor		\$ 25,000	\$ 25,000				\$ 50,000
Design/Consultant		\$ 50,000	\$ 50,000				\$ 100,000
Construction	\$ -		\$ 200,000				\$ 200,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 75,000</u>	<u>\$ 275,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 350,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund						
616 (831)	\$ 75,000	\$ 275,000				\$ 350,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 75,000</u>	<u>\$ 275,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 350,000</u>

<b>Project Description:</b>	Address drainage related issues to East Bay Regional Parks' Selby Trail in proportion to City's responsibility.
<b>Project Justification:</b>	Maintain storm drainage to protect public safety and properties.
<b>Project Location:</b>	Wildcat Canyon Road and Selby Trail in Tilden Park.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Storm Drainage Repairs - MARIN AVENUE  
**Project Number:**  
**Project Total Cost:** \$ 385,000                      **FY 20-24 Program Cost:** \$ 385,000  
**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ -	\$ 385,000	\$ -	\$ -	\$ -	\$ 385,000
Staff/Labor			\$ 25,000				\$ 25,000
Design/Consultant			\$ 40,000				\$ 40,000
Construction	\$ -		\$ 320,000				\$ 320,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 385,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 385,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund						
616 (831)		\$ 385,000				\$ 385,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 385,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 385,000</u>

**Project Description:** Install galley catch basins at 9 intersections on Marin to address high velocity gutter flow  
Marin catch basins at 9 intersections.

**Project Justification:** Maintain storm drainage to protect public safety and properties.

**Project Location:** On Marin Street between Grizzley Peak and the Circle.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Storm Drainage Repairs - SPRUCE AT VIRGINIA  
**Project Number:**  
**Project Total Cost:** \$ 475,000                      **FY 20-24 Program Cost:** \$ 475,000  
**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ -	\$ 475,000	\$ -	\$ -	\$ -	\$ 475,000
Staff/Labor			\$ 25,000				\$ 25,000
Design/Consultant			\$ 50,000				\$ 50,000
Construction	\$ -		\$ 400,000				\$ 400,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 475,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 475,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund						
616 (831)		\$ 475,000				\$ 475,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 475,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 475,000</u>

**Project Description:** Investigate and improve drainage capacity at intersection, from properties west side of Spruce, north of Virginia.

**Project Justification:** Maintain storm drainage to protect public safety and properties.

**Project Location:** Spruce Street at Virginia Street.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Storm Drainage Repairs - COLLEGE/ALCATRAZ  
**Project Number:**  
**Project Total Cost:** \$ 285,000                      **FY 20-24 Program Cost:** \$ 285,000  
**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ -	\$ -	\$ 40,000	\$ 245,000	\$ -	\$ 285,000
Staff/Labor				\$ 15,000	\$ 15,000		\$ 30,000
Design/Consultant				\$ 25,000	\$ 15,000		\$ 40,000
Construction	\$ -				\$ 215,000		\$ 215,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 40,000</u>	<u>\$ 245,000</u>	<u>\$ -</u>	<u>\$ 285,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund						
616 (831)			\$ 40,000	\$ 245,000		\$ 285,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 40,000</u>	<u>\$ 245,000</u>	<u>\$ -</u>	<u>\$ 285,000</u>

**Project Description:** Replace existing cross drains from NE corner to SE corner

**Project Justification:** Maintain storm drainage to protect public safety and properties.

**Project Location:** College and Alcatraz intersection.

**History/Notes:**

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Storm Drainage Repairs - 2nd/VIRGINIA EBMUD NORTH INTERCEPTOR SEPARATION  
**Project Number:**  
**Project Total Cost:** \$ 2,125,000                      **FY 20-24 Program Cost:** \$ 2,125,000  
**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ -	\$ -	\$ -	\$ 250,000	\$ 1,875,000	\$ 2,125,000
Staff/Labor					\$ 50,000	\$ 40,000	\$ 90,000
Design/Consultant					\$ 200,000	\$ 75,000	\$ 275,000
Construction	\$ -					\$ 1,760,000	\$ 1,760,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 250,000</u>	<u>\$ 1,875,000</u>	<u>\$ 2,125,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund						
616 (831)				\$ 250,000	\$ 1,875,000	\$ 2,125,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 250,000</u>	<u>\$ 1,875,000</u>	<u>\$ 2,125,000</u>

<b>Project Description:</b>	Repair existing storm drainage facilities, including separating Virginia Storm Drain from EBMUD North Interceptor at Second Street
<b>Project Justification:</b>	Maintain storm drainage to protect public safety and properties.
<b>Project Location:</b>	Virginia Street at the Second Street intersection.
<b>History/Notes:</b>	EBMUD's 2018 North Interceptor project identified deficiencies in the storm drain pipe.

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Piedmont Avenue Green Infrastructure  
**Project Number:** tbd  
**Project Total Cost:** \$ 750,000      **FY 20-24 Program Cost:** \$ 750,000  
**Department:** Public Works      **Division:** Engineering      **Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 25,000	\$ 125,000	\$ 600,000			\$ 750,000
Staff/Labor		\$ 25,000	\$ 25,000	\$ 25,000			\$ 75,000
Design/Consultant			\$ 100,000	\$ 75,000			\$ 175,000
Construction	\$ -			\$ 500,000			\$ 500,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 25,000	\$ 125,000	\$ 600,000	\$ -	\$ -	\$ 750,000

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund 616 (831)	\$ 25,000	\$ 125,000	\$ 600,000			\$ 750,000
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ 25,000	\$ 125,000	\$ 600,000	\$ -	\$ 750,000

<b>Project Description:</b>	Install Low Impact Development (LID) improvements; multi-benefit GI project at the Piedmont traffic circle and median.
<b>Project Justification:</b>	High scoring multi-benefit project per the GI plan and WMP
<b>Project Location:</b>	Piedmont at Channing
<b>History/Notes:</b>	

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Detail Report**

**Project Name:** Storm Drain Planning and Studies

**Project Number:** tbd

**Project Total Cost:** \$ 1,562,500

**FY 20-24 Program Cost:** \$ 1,562,500

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Clean Storm

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 750,000	\$ 525,000	\$ 287,500	\$ -	\$ -	\$ 1,562,500
Staff/Labor		\$ 200,000	\$ 75,000	\$ 37,500			\$ 312,500
Design/Consultant		\$ 550,000	\$ 450,000	\$ 250,000	\$ -	\$ -	\$ 1,250,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 750,000	\$ 525,000	\$ 287,500	\$ -	\$ -	\$ 1,562,500

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Clean Stormwater Fund xxx (831)	\$ 750,000	\$ 525,000	\$ 287,500			\$ 1,562,500
<b>Total</b>	\$ 750,000	\$ 525,000	\$ 287,500	\$ -	\$ -	\$ 1,562,500

<b>Project Description:</b>	Prepare master plan document to use to plan and prioritize future repairs, rehabilitation, and improvements to the storm drainage facilities using methods and input from the WMP and GI Plans.
<b>Project Justification:</b>	Provide guidance for the efficient use of City funds and facilitate City's environmental improvement goals
<b>Project Location:</b>	Studies will cover entire City.
<b>History/Notes:</b>	In Oct 2011 Watershed Management Plan (WMP) demonstrated Low Impact Development (LID) methods can be used to meet capacity improvement needs in operating storm drainage infrastructure. Subsequent to the WMP the City was required to complete its Green Infrastructure Plan (GI Plan). To use the strengths of the WMP and GI Plan the City needs to coordinate their implementation and also account for replacing aging infrastructure. The Storm Drainage Master Plan will apply the WMP analysis to the remainder of the watersheds and will coordinate project selection using the tools of the GI Plan.



# SIDEWALKS

## Summary

There are approximately 300 miles of concrete sidewalk in the City. An estimated 20-25 miles are in need of replacement, at a total estimated cost of \$7 million. Each year, sidewalk replacements are performed within the Proactive Sidewalk Repair Program and the Responsive Sidewalk Repair Program Funds. The Proactive Repair Program is focused on high pedestrian areas. The Responsive Sidewalk Repair Program targets residential neighborhoods where staff has received information about damaged sidewalks.

The California Streets and Highway Code assigns full responsibility for sidewalk maintenance and repair to the abutting property owner. On June 7, 2011, the City Council amended Berkeley Municipal Code Section 16.04.010 to establish a policy of splitting the costs 50%-50% with property owners, regardless of the cause of the damage, with the goal of increasing the amount of sidewalk repaired or replaced each year and improving overall pedestrian safety. Over time, the backlog of sidewalk repairs identified to be addressed through the 50/50 program has grown significantly beyond the funding capacity to make the needed repairs. Staff estimates that it would require \$7 million to close the 50/50 program funding gap to address the backlog within the next 5 year CIP cycle, with about \$5 million in baseline sidewalk infrastructure repairs needed over that same period.

## Accomplishments

In FY 2017 the City deferred its annual sidewalk program and combined funding for FY 2017 with funding for FY 2018 to develop a larger scale sidewalk project with the expectation of receiving better bid pricing for the construction work. In FY 2018 the City started construction of the sidewalk project which includes responsive sidewalks improvements identified through property owner notification to City staff, and sidewalk gap closure improvements in West Berkeley. The project is currently 25% complete-- construction is expected to be completed by October, 2019.

## Funding

The recurring annual budget for the City's Sidewalks Capital Improvement Program, including the Proactive and Responsive Sidewalk Programs, curb ramps, curbs, driveway aprons, and pathways, totals \$1,035,000 in FY 2020 & FY 2021. This includes recurring allocations from State Gas Tax, the Measure F Vehicle Registration Fee, Measure BB, the Capital Improvement Fund, and a \$100,000 allocation from the Private Party Sidewalk Fund. One-time funding is proposed from the Capital Improvement Fund in FY 2020 and 2021 in the amount of \$1,000,000 per year, to decrease the backlog of the 50/50 program list.

# Sidewalks

## Program and Funding Summary

Program Summary						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
<b>Recurring Funding</b>						
<b>Capital Maintenance (Operations)</b>						
Make-Safe	225,000	225,000	225,000	225,000	225,000	1,125,000
50/50 Program	120,000	120,000	120,000	120,000	120,000	600,000
<b>Annual Project (Engineering)</b>						
Proactive/Responsive	440,000	440,000	440,000	440,000	440,000	2,200,000
Pathways	50,000	50,000	50,000	50,000	50,000	250,000
50/50 Catch-up	1,000,000	1,000,000	2,000,000	2,000,000	1,000,000	7,000,000
ADA Curb Ramps	200,000	200,000	200,000	200,000	200,000	1,000,000
ADA Transition Plan Implementation*	0	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
<b>Total</b>	<b>2,035,000</b>	<b>3,035,000</b>	<b>4,035,000</b>	<b>4,035,000</b>	<b>3,035,000</b>	<b>16,175,000</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
State Transportation Tax	100,000	100,000	100,000	100,000	100,000	500,000
Measure BB - Local Streets & Roads	100,000	100,000	100,000	100,000	100,000	500,000
Measure F - Vehicle Registration Fee	100,000	100,000	100,000	100,000	100,000	500,000
Capital Improvement Fund (baseline)	635,000	635,000	635,000	635,000	635,000	3,175,000
Capital Improvement Fund (proposed)	1,000,000	2,000,000	1,000,000	1,000,000	1,000,000	6,000,000
Private Party Sidewalks Fund	100,000	100,000	100,000	100,000	100,000	500,000
T1 Infrastructure Bond	0	0	2,000,000	2,000,000	1,000,000	5,000,000
<b>Total</b>	<b>2,035,000</b>	<b>3,035,000</b>	<b>4,035,000</b>	<b>4,035,000</b>	<b>3,035,000</b>	<b>16,175,000</b>

\* \$4M to be split btwn Facilities and Sidewalks Programs

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:** 50-50 Program

**Project Number:** TBD

**Project Total Cost:** \$ 1,000,000

**FY 20-24 Program Cost:** \$ 1,000,000

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sidewalks

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	<u>\$ 1,000,000</u>
Staff/Labor							\$ -
Design/Consultant							\$ -
Construction		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	<u>\$ 500,000</u>
Ops/Maint Cost	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	<u>\$ 500,000</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 1,000,000</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	<u>\$ 500,000</u>
Private Party Sidewalks						
Fund						
Fund 642 (149)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	<u>\$ 500,000</u>
Fund xxx (xxx) -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 1,000,000</u>

**Project Description:** Sidewalk repair in residential neighborhoods where the cost is split between the property owner and the City.

**Project Justification:**

**Project Location:** Various locations throughout the City.

**History/Notes:**

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** 50-50 Catch Up Program

**Project Number:** TBD

**Project Total Cost:** \$ 7,000,000                      **FY 20-24 Program Cost:** \$ 7,000,000

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Sidewalks

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 1,000,000	\$ 1,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	<u>\$ 7,000,000</u>
Staff/Labor							<u>\$ -</u>
Design/Consultant							<u>\$ -</u>
Construction							<u>\$ -</u>
Ops/Maint Cost	\$ -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 2,000,000</u>	<u>\$ 2,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 7,000,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)	\$ 1,000,000	\$ 1,000,000				<u>\$ 2,000,000</u>
T1 Infrastructure Bond						
511 (607)			2,000,000	\$ 2,000,000	\$ 1,000,000	<u>\$ 5,000,000</u>
Fund xxx (xxx) -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 2,000,000</u>	<u>\$ 2,000,000</u>	<u>\$ 1,000,000</u>

<b>Project Description:</b>	
<b>Project Justification:</b>	
<b>Project Location:</b>	Various locations throughout the City.
<b>History/Notes:</b>	

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Proactive and Responsive Sidewalk Repair Projects

**Project Number:** TBD

**Project Total Cost:** \$ 2,925,000                      **FY 20-24 Program Cost:** \$ 2,925,000

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Sidewalks

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 585,000	\$ 585,000	\$ 585,000	\$ 585,000	\$ 585,000	\$ 2,925,000
Staff/Labor		\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 675,000
Design/Consultant							\$ -
Construction		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
Ops/Maint Cost	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
<b>Total</b>	<u>\$ -</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 2,925,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)	\$ 285,000	\$ 285,000	\$ 285,000	\$ 285,000	\$ 285,000	<u>\$ 1,425,000</u>
Measure BB LS&R						
Fund 406 (134)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	<u>\$ 500,000</u>
Measure F VRF						
Fund 397 (133)	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	<u>\$ 1,000,000</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 585,000</u>	<u>\$ 2,925,000</u>

<b>Project Description:</b>	Both proactive and responsive sidewalk repairs being made Citywide. Proactive program targets high pedestrian areas. Responsive program focuses in residential neighborhoods.
<b>Project Justification:</b>	
<b>Project Location:</b>	Various locations throughout the City.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Pathways

**Project Number:** TBD

**Project Total Cost:** \$ 250,000

**FY 20-24 Program Cost:** \$ 250,000

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Sidewalks

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ <u>250,000</u>
Staff/Labor							
Design/Consultant							
Construction		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ <u>250,000</u>
Ops/Maint Cost	\$ -						
<b>Total</b>	\$ -	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>250,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ <u>250,000</u>
Fund xxx (xxx) -						\$ -
Fund xxx (xxx) -						\$ -
<b>Total</b>	\$ -	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>250,000</u>

<b>Project Description:</b>	Improve and maintain Citywide network of pedestrian paths.
<b>Project Justification:</b>	
<b>Project Location:</b>	Various locations throughout the City.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** ADA Curb Ramps

**Project Number:** TBD

**Project Total Cost:** \$ 1,000,000                      **FY 20-24 Program Cost:** \$ 1,000,000

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Sidewalks

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	<u>\$ 1,000,000</u>
Staff/Labor							
Design/Consultant							
Construction		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	<u>\$ 1,000,000</u>
Ops/Maint Cost	\$ -						
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 1,000,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	<u>\$ 1,000,000</u>
Fund xxx (xxx) -						<u>\$ -</u>
Fund xxx (xxx) -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 200,000</u>	<u>\$ 1,000,000</u>

<b>Project Description:</b>	To bring curb ramps into compliance with the American Disabilities Act, improving ADA access to City streets and sidewalks.
<b>Project Justification:</b>	
<b>Project Location:</b>	Various locations throughout the City.
<b>History/Notes:</b>	

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** ADA Transition Plan Implementation

**Project Number:** TBD

**Project Total Cost:** \$ 4,000,000                      **FY 20-24 Program Cost:** \$ 4,000,000

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Sidewalks

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost		\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	<u>\$ 4,000,000</u>
Staff/Labor							
Design/Consultant							
Construction							
Ops/Maint Cost	\$ -						
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 4,000,000</u>

<b>Sources of Funding</b>	2020	2021	2022	2023	2024	5 Yr Total
Capital Improvement						
Fund 610 (501)		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	<u>\$ 4,000,000</u>
Fund xxx (xxx) -						<u>\$ -</u>
Fund xxx (xxx) -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>	<u>\$ 4,000,000</u>

<b>Project Description:</b>	An ADA Transition Plan will be developed by DAC consultants. Results of the assessment will drive an implementation strategy for the program.
<b>Project Justification:</b>	Mandated by law.
<b>Project Location:</b>	Various locations throughout the City.
<b>History/Notes:</b>	<b>T1 and/or General Fund monies may be considered for funding this program.</b> No monies anticipated to be spend in FY20, as the ADA Transition Plan is anticipated to be completed in FY20.



# STREETS

## Summary

There are approximately 216 centerline miles of improved streets in Berkeley. Every two to three years, Berkeley's streets are inspected as part of the Metropolitan Transportation Commission's Pavement Management System (PMS) to identify repair needs and assign a pavement condition index (PCI) for each street. The City uses the PMS and PCI to track and prioritize pavement rehabilitation and maintenance needs on individual streets, and the overall condition of the City's street pavement network.

The primary purpose of the street rehabilitation program is to maintain a safe surface conveyance system in the public right-of-way for vehicles, bicycles, transit and pedestrians. The right-of-way also provides ancillary functions of a storm water conveyance system and the location of public utilities. Recent efforts have been made to revise paving project construction cost estimates to better reflect the cost of upgrading the complete street system as pavement improvements are made.

In FY 2020 and FY 2021, the City plans to resurface approximately 10.0 miles and make needed repairs to associated infrastructure including storm drains, curbs, gutters and sidewalks.

## Accomplishments

The passage of the \$30 million Measure M Streets and Watersheds Bond in 2012 enabled the City to accelerate the implementation of the paving program and install green infrastructure where appropriate from FY 2014 through FY 2019. In FY 2019 the City is resurfacing 6.3 miles of streets amongst four projects, Panoramic Hill Rehabilitation, FY 2018 Measure M Street Rehabilitation, Street Rehabilitation and Surface Seals FY 2019, and Measure T1 Street Improvements- Adeline Street, Hearst Avenue & Milvia Street.

## Funding

The City's annual CIP budget for street paving prior to the passage of Measure M was \$3.4 million. That amount proved insufficient to maintain the City's PCI and prevent continued deterioration of the City's street network. Measure M added \$30 million to the street and green infrastructure projects from its passage through FY 2019 planned expenditures. Approximately \$24.5 million has been spent or is being spent on street paving and \$6.5 million has been spent or is being spent on green infrastructure projects, discussed in the Storm Drain section of this report. With the passage of Measure BB in November 2014, an additional \$1,300,000 was added to the annual paving program budget beginning in FY16. Between \$1,700,000 and \$2,700,000 of Measure BB funding has been allocated for street paving and associated improvements annually. Funds generated from the T1 Infrastructure Bond, passed in November 2016 by Berkeley voters, were added to the street paving program for Phase 1 of the bond implementation. It is also expected that in November 2020 T1 funds for Phase 2 of the bond implementation will be allocated for streets. The state legislature approved Senate Bill 1 (SB1), the Road Maintenance Repair and Accountability Act in 2017, which increased state transportation taxes. Around \$1,500,000 in annual SB1 funds are programmed for streets.

# Streets

## Program and Funding Summary

Program Summary						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
<b>Recurring Funding</b>						
Street Rehabilitation	9,380,241	6,825,353	6,825,353	7,125,353	7,125,353	37,281,653
Prelim Design Next FY Project	149,950	149,950	149,950	149,950	149,950	749,750
<b>Total</b>	<b>9,530,191</b>	<b>6,975,303</b>	<b>6,975,303</b>	<b>7,275,303</b>	<b>7,275,303</b>	<b>38,031,403</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
State Transportation Tax	495,303	495,303	495,303	495,303	495,303	2,476,515
State Transportation Tax - SB1	1,500,000	1,700,000	1,700,000	2,000,000	2,000,000	8,900,000
Measure B - Local Streets & Roads	700,000	1,000,000	700,000			2,400,000
Measure T1 - Infrastructure	2,554,888	0				2,554,888
Measure BB - Local Streets & Roads	2,200,000	1,700,000	2,000,000	2,700,000	2,700,000	11,300,000
Measure F - Vehicle Registration Fee	155,000	155,000	155,000	155,000	155,000	775,000
Capital Improvement Fund	1,925,000	1,925,000	1,925,000	1,925,000	1,925,000	9,625,000
<b>Total</b>	<b>9,530,191</b>	<b>6,975,303</b>	<b>6,975,303</b>	<b>7,275,303</b>	<b>7,275,303</b>	<b>38,031,403</b>

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Street Rehabilitation FY 2020

**Project Number:**

**Project Total Cost:** \$ 9,530,191

**FY 20-24 Program Cost:** \$ 9,380,241

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Street

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 149,950	\$ 9,380,241					\$ 9,380,241
Staff/Labor	\$ 50,000	\$ 350,000					\$ 350,000
Design/Consultant	\$ 99,950	\$ 900,050					\$ 900,050
Construction	\$ -	\$ 8,130,191					\$ 8,130,191
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ 149,950	\$ 9,380,241	\$ -	\$ -	\$ -	\$ -	\$ 9,380,241

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (610) - Capital Improvement	\$ 99,950	\$ 1,825,050					\$ 1,825,050
Fund 127 (369) - State Transportation Tax	\$ 50,000	\$ 445,303					\$ 445,303
Fund 127 (369) - SB1		\$ 1,500,000					\$ 1,500,000
Fund 130 (391) - M-B LSR Sales Tax	\$ -	\$ 700,000					\$ 700,000
Fund 133 (397) - Measure F VRF	\$ -	\$ 155,000					\$ 155,000
Fund 134 (406) - M-BB LSR Sales Tax	\$ -	\$ 2,200,000					\$ 2,200,000
Fund 511 (607) - Measure T1	\$ -	\$ 2,554,888					\$ 2,554,888
<b>Total</b>	\$ 149,950	\$ 9,380,241	\$ -	\$ -	\$ -	\$ -	\$ 9,380,241

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Proposal Form**

**Project Name:** Street Rehabilitation FY 2021

**Project Number:**

**Project Total Cost:** \$ 6,975,303

**FY 20-24 Program Cost:** \$ 6,975,303

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Street

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 149,950	\$ 6,825,353				\$ 6,975,303
Staff/Labor	\$ -	\$ 50,000	\$ 150,000				\$ 200,000
Design/Consultant	\$ -	\$ 99,950	\$ 502,100				\$ 602,050
Construction	\$ -		\$ 6,173,253				\$ 6,173,253
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	\$ -	\$ 149,950	\$ 6,825,353	\$ -	\$ -	\$ -	\$ 6,975,303

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (61U) - Capital Improvement	\$ -	\$ 99,950	\$ 1,825,050				\$ 1,925,000
Fund 12 / (369) - State Transportation Tax	\$ -	\$ 50,000	\$ 445,303				\$ 495,303
Fund 127 (369) - SB1	\$ -		\$ 1,700,000				\$ 1,700,000
Fund 130 (391) - M-B LSR Sales Tax	\$ -		\$ 1,000,000				\$ 1,000,000
Fund 133 (397) - Measure F VRF	\$ -		\$ 155,000				\$ 155,000
Fund 134 (406) - M-BB LSR Sales Tax	\$ -		\$ 1,700,000				\$ 1,700,000
<b>Total</b>	\$ -	\$ 149,950	\$ 6,825,353	\$ -	\$ -	\$ -	\$ 6,975,303

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Proposal Form**

**Project Name:** Street Rehabilitation FY 2022

**Project Number:**

**Project Total Cost:** \$ 6,975,303                      **FY 20-24 Program Cost:** \$ 6,975,303

**Department:** Public Works                      **Division:** Engineering                      **Capital Program:** Street

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -		\$ 149,950	\$ 6,825,353			\$ 6,975,303
Staff/Labor	\$ -		\$ 50,000	\$ 150,000			\$ 200,000
Design/Consultant	\$ -		\$ 99,950	\$ 502,100			\$ 602,050
Construction	\$ -			\$ 6,173,253			\$ 6,173,253
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 6,825,353</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,975,303</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (61U) - Capital Improvement	\$ -		\$ 99,950	\$ 1,825,050			\$ 1,925,000
Fund 12 / (369) - State Transportation Tax	\$ -		\$ 50,000	\$ 445,303			\$ 495,303
Fund 127 (369) - SB1	\$ -		\$ -	\$ 1,700,000			\$ 1,700,000
Fund 130 (391) - M-B LSR Sales Tax	\$ -			\$ 700,000			\$ 700,000
Fund 133 (397) - Measure F VRF	\$ -			\$ 155,000			\$ 155,000
Fund 134 (406) - M-BB LSR Sales Tax	\$ -			\$ 2,000,000			\$ 2,000,000
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 6,825,353</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,975,303</u>

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Proposal Form

**Project Name:** Street Rehabilitation FY 2023

**Project Number:**

**Project Total Cost:** \$ 7,275,303

**FY 20-24 Program Cost:** \$ 7,275,303

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Street

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -			\$ 149,950	\$ 7,125,353		\$ 7,275,303
Staff/Labor	\$ -			\$ 50,000	\$ 150,000		\$ 200,000
Design/Consultant	\$ -			\$ 99,950	\$ 502,100		\$ 602,050
Construction	\$ -				\$ 6,773,253		\$ 6,773,253
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 7,125,353</u>	<u>\$ -</u>	<u>\$ 7,275,303</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (610) - Capital Improvement	\$ -		\$ 99,950	\$ 1,825,050		\$ 1,925,000
Fund 12 / (369) - State Transportation Tax	\$ -		\$ 50,000	\$ 445,303		\$ 495,303
Fund 127 (369) - SB1	\$ -		\$ -	\$ 2,000,000		\$ 2,000,000
Fund 130 (391) - M-B LSR Sales Tax	\$ -			\$ -		\$ -
Fund 133 (397) - Measure F VRF	\$ -			\$ 155,000		\$ 155,000
Fund 134 (406) - M-BB LSR Sales Tax	\$ -			\$ 2,700,000		\$ 2,700,000
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 7,125,353</u>	<u>\$ -</u>	<u>\$ 7,275,303</u>

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Proposal Form

**Project Name:** Street Rehabilitation FY 2024

**Project Number:**

**Project Total Cost:** \$ 7,275,303

**FY 20-24 Program Cost:** \$ 7,275,303

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Street

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -				\$ 149,950	\$ 7,125,353	<u>\$ 7,275,303</u>
Staff/Labor	\$ -				\$ 50,000	\$ 150,000	<u>\$ 200,000</u>
Design/Consultant	\$ -				\$ 99,950	\$ 502,100	<u>\$ 602,050</u>
Construction	\$ -					\$ 6,473,253	<u>\$ 6,473,253</u>
Ops/Maint Cost	\$ -						<u>\$ -</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 7,125,353</u>	<u>\$ 7,275,303</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (610) - Capital Improvement	\$ -			\$ 99,950	\$ 1,825,050	<u>\$ 1,925,000</u>
Fund 12 / (369) - State Transportation Tax	\$ -			\$ 50,000	\$ 445,303	<u>\$ 495,303</u>
Fund 127 (369) - SB1	\$ -			\$ -	\$ 2,000,000	<u>\$ 2,000,000</u>
Fund 130 (391) - M-B LSR Sales Tax	\$ -				\$ -	<u>\$ -</u>
Fund 133 (397) - Measure F VRF	\$ -				\$ 155,000	<u>\$ 155,000</u>
Fund 134 (406) - M-BB LSR Sales Tax	\$ -				\$ 2,700,000	<u>\$ 2,700,000</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 7,125,353</u>	<u>\$ 7,275,303</u>

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	

City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Proposal Form

**Project Name:** Street Rehabilitation FY 2025

**Project Number:**

**Project Total Cost:** \$ 7,275,303

**FY 20-24 Program Cost:** \$ 149,950

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Street

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -					\$ 149,950	\$ 149,950
Staff/Labor	\$ -					\$ 50,000	\$ 50,000
Design/Consultant	\$ -					\$ 99,950	\$ 99,950
Construction	\$ -						\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 149,950</u>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 501 (610) - Capital Improvement	\$ -				\$ 99,950	\$ 99,950
Fund 12 / (369) - State Transportation Tax	\$ -				\$ 50,000	\$ 50,000
Fund 127 (369) - SB1	\$ -				\$ -	\$ -
Fund 130 (391) - M-B LSR Sales Tax	\$ -					\$ -
Fund 133 (397) - Measure F VRF	\$ -					\$ -
Fund 134 (406) - M-BB LSR Sales Tax	\$ -					\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 149,950</u>	<u>\$ 149,950</u>

<b>Project Description:</b>	Rehabilitation of street pavement at various locations throughout the City. Includes curb ramps, curb and gutter, sidewalk, drainage improvements (e.g., pipes, valley gutters, inlets), traffic striping/markings including bicycle/pedestrian improvements.
<b>Project Justification:</b>	Improvement of pavement conditions citywide
<b>Project Location:</b>	See 5-Year Street Plan
<b>History/Notes:</b>	



# TRANSPORTATION

## Summary

The City of Berkeley is committed to improving traffic safety, encouraging transit use, bicycling and walking, and addressing a variety of transportation issues. Capital projects include: parking facilities; street improvements; traffic calming measures, such as signs, markings, striping, and traffic circles; and bicycle and pedestrian infrastructure improvements, such as pathways, on-street facilities, and bicycle parking.

## Accomplishments

Multiple transportation Capital Improvement Projects (CIP) were implemented in FY 2018 and FY 2019, including:

- ❑ Center Street Garage construction completion and opening;
- ❑ Ordination of the installation of City's 37 Ford GoBike Bike Share stations;
- ❑ Completion of Draft Environmental Impact Report for the I-80/Gilman Interchange in FY 2019 and commencement of preliminary detailed design plans for construction;
- ❑ Completion of Ashby Corridor Safety Improvements Project which included bike lanes, new rectangular rapid flashing beacons (RRFBs) at Tunnel Road/The Uplands, new pedestrian hybrid beacon (PHB) at Ashby/Hillegass, and new left-turn signal phase at Telegraph/Ashby;
- ❑ Completion of traffic calming measures along Le Conte Ave. including signal upgrade at the Hearst/Gayley intersection;
- ❑ Completion of construction of the Downtown Berkeley BART Plaza and Transit Area Capital Improvement Project;
- ❑ Commencement of construction for the Shattuck Avenue Reconfiguration Project;
- ❑ Expansion of the goBerkeley Program in Euclid/Hearst Area;
- ❑ Implementation of Mix-Use Residential Preferential Parking (RPP) Area in West Berkeley

## Funding

The Transportation Division receives recurring allocations from State Gas Tax, local fund sources such as Measures B, BB, and F, and the Capital Improvement Fund to fund transportation planning and operations such as traffic calming, traffic signal improvements and maintenance, and roadway marking, as well as bicycle and pedestrian planning and programs. The division also leverages use of these recurring funds with one-time grants and other outside funding sources, whenever possible. In this capital budget, several one-time fund sources are proposed, including developer mitigation funds and Caltrans funds for new traffic signal improvements along Ashby and Sacramento.

# Transportation

## Program and Funding Summary

Program Summary						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
<b>One-Time Funding</b>						
Shattuck Reconfiguration	118,354	1,150,160	0	0	0	1,268,514
Milvia Bikeway	349,000	3,418,490	422,510	0	0	4,190,000
Sacramento Complete Streets / North Berkeley BART ATP	1,684,455	963,616	0	0	0	2,648,071
San Pablo/Ashby Traffic Signal Improvements	797,610	0	0	0	0	797,610
Ninth Street Pathway Phase II	83,557	0	0	0	0	83,557
Southside Complete Streets (Mobility Improvements)	506,640	514,579	4,839,829	2,074,212	0	7,935,260
Sacramento/Hopkins & Sacramento/Allston Traffic Signals	0	955,000	0	0	0	955,000
Transportation Impact Fee Nexus Study & Transportation Impact Study Guidelines	56,365	0	0	0	0	56,365
Bicycle Plan 2022	0	125,000	125,000	0	0	250,000
<b>Subtotal</b>	<b>3,595,981</b>	<b>7,126,846</b>	<b>5,387,339</b>	<b>2,074,212</b>	<b>0</b>	<b>18,184,377</b>
<b>Recurring Funding</b>						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
Citywide Bicycle Parking (Bicycle Rack Installation)	99,998	99,997	99,995			299,990
Bike & Ped CIP Unprogrammed	75,000	75,000	265,549	75,000	75,000	565,549
<i>Traffic Calming Devices Replacement &amp; Maintenance</i>	50,000	50,000	50,000	50,000	50,000	250,000
Traffic Calming Program (New Requests)	100,000	100,000	100,000	100,000	100,000	500,000
<i>Traffic Signals Maintenance</i>	515,800	531,274	547,212	563,629	580,537	2,738,452
Pavement Markings (incl. Roadway Thermo Marking)	200,000	200,000	200,000	200,000	200,000	1,000,000
<b>Subtotal</b>	<b>1,040,798</b>	<b>1,056,271</b>	<b>1,262,756</b>	<b>988,629</b>	<b>1,005,537</b>	<b>5,353,991</b>
<b>Total</b>	<b>4,636,779</b>	<b>8,183,117</b>	<b>6,650,095</b>	<b>3,062,841</b>	<b>1,005,537</b>	<b>23,538,369</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
State Transportation Tax	50,000	132,281	50,000	50,000	50,000	332,281
Bay Area Air Quality Management	60,000	60,000	60,000	0	0	180,000
MTC	0	125,000	125,000	0	0	250,000
Measure B - Local Streets & Roads	150,000	892,654	150,000	0	0	1,192,654
Measure B - Bicycle & Pedestrian	117,517	359,023	203,882	0	0	680,422
Measure BB - Local Streets & Roads	830,983	2,226,015	722,212	888,629	905,537	5,537,375
Measure BB - Bicycle & Pedestrian	611,828	471,297	442,972	77,083		1,603,180
Measure F - Vehicle Registration Fee	4,948	279,467	0	0	0	284,415
Capital Improvement Fund	39,097	50,000	50,000	50,000	50,000	239,097
Capital Improvement Fund (Bayer Mitigation)	606,662	0	0	0	0	606,662
Capital Improvement Fund (West Berkeley Redevelopment)	57,903	0	0	0	0	57,903
Caltrans	2,143,842	3,566,160	4,290,900	1,836,300	0	11,837,202
UC - LRDP	0	21,219	555,128	160,829	0	737,177
<b>Total</b>	<b>4,636,779</b>	<b>8,183,117</b>	<b>6,650,095</b>	<b>3,062,841</b>	<b>1,005,537</b>	<b>23,538,369</b>

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Shattuck Reconfiguration and Pedestrian Safety Project

Project Number: 14ST06

Project Total Cost: \$ 10,320,132

FY 20-24 Program Cost: \$ 1,268,514

Department: Public Works

Division: Transportation

Capital Program: Capital Projects

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 9,051,618	\$ 118,354	\$ 1,150,160				\$ 1,268,514
Staff/Labor	\$ 1,334,160	\$ -	\$ 0				\$ 0
Design/Consultant	\$ 1,061,659	\$ 118,354	\$ -				\$ 118,354
Construction	\$ 6,655,800	\$ -	\$ 1,150,160				\$ 1,150,160
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 9,051,618</b>	<b>\$ 118,354</b>	<b>\$ 1,150,160</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,268,514</b>

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 011 (010) - General Fund	\$ 765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 124 (265) Parking In-Lieu Fee	\$ 82,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 127 (369) State Transportation Tax	\$ 72,719	\$ -	\$ 82,281	\$ -	\$ -	\$ -	\$ 82,281
Fund 130 (391) Measure B Local St & Road	\$ 757,767	\$ -	\$ 189,442	\$ -	\$ -	\$ -	\$ 189,442
Fund 131 (392) - Meas B - Bike & Pedestrian	\$ 48,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 133 (397) Meas F Ala Ct VRF St. & Road	\$ 339,100	\$ -	\$ 279,467	\$ -	\$ -	\$ -	\$ 279,467
Fund 134 (406) - Measure BB-Local St. & Road	\$ 928,452	\$ -	\$ 567,324	\$ -	\$ -	\$ -	\$ 567,324
Fund 135 (407) Measure BB-Bike & Pedestrian	\$ -	\$ 118,354	\$ 31,646	\$ -	\$ -	\$ -	\$ 150,000
Fund 139 (452) Street & Open Space Impr.	\$ 1,140,512	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 142 (470) Street Lighting	\$ 214,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 147 (489) UC Settlement	\$ 382,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 501 (610) Capital Improvement	\$ 2,075,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 339 (614) MTC	\$ 2,777,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 506 (630) - Measure M St. & Wtrshd Imprv	\$ 228,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund 631 (840) Parking Meter	\$ 3,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 9,051,618</b>	<b>\$ 118,354</b>	<b>\$ 1,150,160</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,268,514</b>

**Project Name:** Shattuck Reconfiguration and Pedestrian Safety Project (Continued)

**Project Number:** 14ST06

<b>Project Description:</b>	<p>The Project will reconfigure a three-block segment of Shattuck Avenue from Allston Way to University Avenue. The Project's main goals are to improve pedestrian safety, improve northbound circulation for motorists and transit vehicles, and enhance the quality of public spaces in the Downtown core.</p> <p>One of the project's primary goals is to improve pedestrian safety at the Shattuck/University intersection, which has the highest number of auto/pedestrian collisions in the City and is the second-highest priority project in the City's Pedestrian Master Plan. The project is based on a conceptual plan developed as part of the Streets and Open Space Improvement Plan (SOSIP), adopted by the City Council on January 29, 2013. The project concept was also included in the Downtown Area Plan, adopted by Council in 2012.</p>
<b>Project Justification:</b>	
<b>Project Location:</b>	Shattuck Avenue, between Allston Way and University Avenue
<b>History/Notes:</b>	

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Ninth Street Pathway Phase II

**Project Number:** 17BP07

**Project Total Cost:** \$ 1,795,386

**FY 20-24 Program Cost:** \$ 83,557

**Department:** Public Works

**Division:** Transportation

**Capital Program:** Capital Projects

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 1,711,829	\$ 83,557					<u>\$ 83,557</u>
Staff/Labor	\$ 42,597	\$ 83,557					<u>\$ 83,557</u>
Design/Consultant	\$ 294,732	\$ -					<u>\$ -</u>
Construction	\$ 1,374,500	\$ -					<u>\$ -</u>
Ops/Maint Cost	\$ -						<u>\$ -</u>
<b>Total</b>	<u>\$ 1,711,829</u>	<u>\$ 83,557</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 83,557</u>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 131 (392) - Meas B - Bike & Pedestrian	\$ 2,897	\$ -					<u>\$ -</u>
Fund 135 (407) Measure BB-Bike & Pedestrian	\$ 108,933	\$ 83,557					<u>\$ 83,557</u>
Fund 344 (6/4) Caltrans Grant	\$ 849,999	\$ -					<u>\$ -</u>
Fund 695 Fac Mgmt - Traf Signal Maint	\$ 750,000	\$ -					<u>\$ -</u>
<b>Total</b>	<u>\$ 1,711,829</u>	<u>\$ 83,557</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 83,557</u>

**Project Name:** Ninth Street Pathway Phase II (Continued)

**Project Number:** 17BP07

<b>Project Description:</b>	<p>The Ninth Street Bicycle Boulevard Pathway Extension (Phase I and II) is a proposed Class 1 bike and pedestrian pathway connecting Berkeley's Ninth Street Bicycle Boulevard to the Emeryville Greenway. Supported by the City's Bicycle Plan, adopted in April 2017, the Project will close the last gap in this important north-south urban bicycle corridor, which serves many biking and walking trips by residents, employees, and retail customers in the Project's immediate vicinity.</p> <p>Phase II completes the connection between West Berkeley and Emeryville by providing a safer, more direct, and continuous off-street route and intersection crossing, as opposed to the current temporary route. Phase II will construct the last two sections of new shared use pathway on City owned property; one section from the end Ninth Street just south of the intersection with Heinz Avenue to Ashby Avenue, and the other section between Ashby Avenue and Murray Street. The project will be coordinated with the proposed signal and intersection improvements at Ninth/Ashby, which is in project design.</p>
<b>Project Justification:</b>	<p>The project will allow safer travel for pedestrians, and cyclists, likely increasing the number of residents and visitors bicycling and walking. Increasing cycling and walking is the number 2 goal under the Transportation and Land Use section of the Climate Action Plan. The Plan sets the goal of reducing transportation emissions 33% below 2000 levels by 2020 and 80% by 2050, and states that transportation modes such as public transit, walking, and cycling must become the primary means of fulfilling our mobility needs in order to meet these goals. The project will improve traffic safety and is a high priority project in the City's Bicycle Master Plan adopted by Council in April 2000 and in the most recent update approved by council in 2017.</p>
<b>Project Location:</b>	
<b>History/Notes:</b>	

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Pavement Markings (incl. Roadway Thermo Marking)  
 Project Number: 13TM01  
 Project Total Cost: \$ - FY 20-24 Program Cost: \$ 1,000,000  
 Department: Public Works Division: Transportation Traffic Calming Program

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost							\$ -
Staff/Labor	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Design/Consultant	\$ -						
Construction	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 1,000,000</b>

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 130 (391) Measure B						
Local St & Road	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ 450,000
Fund 011 (010) - General Fund	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000	\$ 200,000	\$ 550,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 1,000,000</b>

**Project Description:** For the installation of roadway thermoplastic and other pavement markings citywide.

**Project Justification:**

**Project Location:** Various streets citywide.

**History/Notes:**

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Traffic Calming Devices Maintenance & Repair

Project Number: PWTRCT1405 (14TP05)

Project Total Cost: \$ 350,000 FY 20-24 Program Cost: \$ 350,000

Department: Public Works Division: Transportation Electronic Traffic Calming Devices Maintenance & Repair

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor							\$ -
Design/Consultant	\$ -						\$ -
Construction	\$ -						\$ -
Ops/Maint Cost		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Total	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 127 (369) State						
Transportation Tax	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Fund 011 (010) - General Fund						\$ -
Total	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

**Project Description:** Maintenance and repair of electronic traffic control devices

**Project Justification:** Maintain safety infrastructure, protection of City's assets invested for safety of road users

**Project Location:** Various city streets

**History/Notes:**



City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Traffic Calming Program  
 Project Number: PWTRCT1301 (13TP01)  
 Project Total Cost: \$ 500,000 FY 20-24 Program Cost: \$ 500,000  
 Department: Public Works Division: Transportation Traffic Calming Program

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost							\$ -
Staff/Labor		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000
Design/Consultant	\$ -						
Construction		\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000
Ops/Maint Cost	\$ -						\$ -
Total	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

Sources of Funding	2020	2021	2022	2023	2024	5 Yr Total
Fund 130 (391) Measure B						
Local St & Road						\$ -
Fund 134 (406) - Measure						
BB-Local St. & Road	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Fund 501 (610) Capital						
Improvement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Fund 650						\$ -
Total	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

**Project Description:** Projects arising as a result of City's Annual Traffic Calming Program

**Project Justification:** Implementation of Council-approved annual Traffic Calming Program

**Project Location:** Various residential streets

**History/Notes:** Until FY17/18 this program had a annual budget of \$50,000. Since FY18/19 Council has inc

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** San Pablo/Ashby Intersection Improvement

**Project Number:** PWTRCT0918 (09TM18)

**Project Total Cost:** \$ 968,278      **FY 20-24 Program Cost:** \$ 797,610

**Department:** Public Works      **Division:** Transportation      **Capital Program:** Traffic signals

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 170,668	\$ 797,610	\$ -	\$ -	\$ -	\$ -	\$ 797,610
Staff/Labor	\$ 29,987	\$ 50,000					\$ 50,000
Design/Consultant	\$ 140,681						\$ -
Construction	\$ -	\$ 747,610					\$ 747,610
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 170,668</b>	<b>\$ 797,610</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 797,610</b>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 397	\$ 22,250	\$ 4,948					\$ 4,948
Fund 134 (406) - Measure BB-Local St. & Road	\$ -	\$ 76,000					\$ 76,000
Fund 135 (407) Measure BB-Bike & Pedestrian	\$ -	\$ 110,000					\$ 110,000
Fund 501 (610) CIP (Bayer Mitigation)	\$ 148,418	\$ 606,662					\$ 606,662
<b>Total</b>	<b>\$ 170,668</b>	<b>\$ 797,610</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 797,610</b>

<b>Project Description:</b>	Widening the westbound approach of San Pablo/Ashby
<b>Project Justification:</b>	Improve safety
<b>Project Location:</b>	San Pablo/Ashby
<b>History/Notes:</b>	Bayer Traffic Mitigation Fund has been funding this project and is expected to fund a sigr

City of Berkeley

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Sacramento/Hopkins & Sacramento/Allston Signal Improvements

**Project Number:** PWTRCT1506 (15TP06)

**Project Total Cost:** \$ 977,417      **FY 20-24 Program Cost:** \$ 955,000

**Department:** Public Works      **Division:** Transportation      **Capital Program:** Traffic signals

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 22,417	\$ -	\$ 955,000	\$ -	\$ -	\$ -	\$ 955,000
Staff/Labor	\$ 1,167		\$ 5,000				\$ 5,000
Design/Consultant	\$ 21,250		\$ 50,000				\$ 50,000
Construction	\$ -		\$ 900,000				\$ 900,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 22,417</b>	<b>\$ -</b>	<b>\$ 955,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 955,000</b>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 130 (391) Measure B							
Local St & Road	\$ 22,417		\$ 2,583				\$ 2,583
Fund 134 (406) - Measure BB-Local St. & Road	\$ -		\$ 952,417				\$ 952,417
<b>Total</b>	<b>\$ 22,417</b>	<b>\$ -</b>	<b>\$ 955,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 955,000</b>

<b>Project Description:</b>	Upgrading traffic signals at Sacramento/Hopkins and Sacramento/Allston
<b>Project Justification:</b>	Improve safety and traffic operation
<b>Project Location:</b>	Sacramento/Hopkins, Sacramento/Allston
<b>History/Notes:</b>	Preliminary design has been completed for these signals

City of Berkeley

FY 2020 - 2024 Capital Improvement Program

Project Form

Project Name: Milvia Bikeway Project

Project Number: 18BP02

Project Total Cost: \$ 4,585,000

FY 20-24 Program Cost: \$ 4,190,000

Department: Public Works

Division: Transportation

Capital Program: Bicycle and Pedestrian

Project Budget	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 395,000	\$ 349,000	\$ 3,418,490	\$ 422,510	\$ -	\$ -	\$ 4,190,000
Staff/Labor	\$ 45,000	\$ 76,000	\$ 345,690	\$ 38,410			\$ 460,100
Design/Consultant	\$ 350,000	\$ 273,000					\$ 273,000
Construction	\$ -		\$ 3,072,800	\$ 384,100			\$ 3,456,900
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 395,000</b>	<b>\$ 349,000</b>	<b>\$ 3,418,490</b>	<b>\$ 422,510</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,190,000</b>

Sources of Funding	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 695 - ACTC	\$ 350,000						\$ -
Fund 407 - Measure BB	\$ 45,000		\$ -	\$ 416,310			\$ 416,310
Fund 392 - Measure B		\$ 76,000	\$ 345,690				\$ 421,690
Fund 674 - Caltrans		\$ 273,000	\$ 3,072,800	\$ 6,200			\$ 3,352,000
<b>Total</b>	<b>\$ 395,000</b>	<b>\$ 349,000</b>	<b>\$ 3,418,490</b>	<b>\$ 422,510</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,190,000</b>

<b>Project Description:</b>	Improve safety and access for bicyclists, pedestrians, and motorists on Milvia Street between Hearst Avenue and Blake Street by installing a Class IV protected bikeway, intersection treatments, and traffic calming.
<b>Project Justification:</b>	Tier 1 project in Council-adopted 2017 Bicycle Plan
<b>Project Location:</b>	Milvia Street between Hearst Avenue and Blake Street
<b>History/Notes:</b>	Pending detailed design/construction funding from ATP Cycle 4 grant

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** North Berkeley BART / Sacramento Street Complete Streets

**Project Number:** 18BP03

**Project Total Cost:** \$ 2,858,869      **FY 20-24 Program Cost:** \$ 2,648,071      1044869

**Department:** Public Works      **Division:** Transportation      **Capital Program:** Bicycle and Pedestrian

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 210,798	\$ 1,684,455	\$ 963,616	\$ -	\$ -	\$ -	\$ 2,648,071
Staff/Labor	\$ 57,788	\$ 80,844	\$ 12,987	\$ -			\$ 93,831
Design/Consultant	\$ 153,010	\$ 94,240	\$ -				\$ 94,240
Construction	\$ -	\$ 1,509,371	\$ 950,629	\$ -			\$ 2,460,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 210,798</u>	<u>\$ 1,684,455</u>	<u>\$ 963,616</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,648,071</u>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 674 - Caltrans	\$ 177,798	\$ 1,364,202	\$ -				\$ 1,364,202
Fund 407 - Measure BB	\$ -	\$ 273,253	\$ 412,987				\$ 686,240
Fund 610 - CIP	\$ 33,000	\$ 47,000	\$ -				\$ 47,000
Fund 391 - Measure B			\$ 550,629				\$ 550,629
<b>Total</b>	<u>\$ 210,798</u>	<u>\$ 1,684,455</u>	<u>\$ 963,616</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,648,071</u>

<b>Project Description:</b>	Improve safety and access for pedestrian and bicyclists in the vicinity of the North Berkeley BART station by constructing corner sidewalk bulbouts, adding green color for visibility of existing bicycle lanes, and installing a pedestrian hybrid beacon for crossing Sacramento St at Virginia.
<b>Project Justification:</b>	High-priority Pedestrian Master Plan project & Tier 1 Bicycle Plan project
<b>Project Location:</b>	Sacramento St between Addison & Virginia St; Delaware St between Acton & Sacramento St; Acton between Delaware & Virginia
<b>History/Notes:</b>	Program Supplement Agreement was signed by City Manager in Dec 2018; fully executed copy is expected to be returned by Caltrans in Feb 2019.

**City of Berkeley**

**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Southside Complete Streets

**Project Number:** 17TP01

**Project Total Cost:** \$ 8,455,760                      **FY 20-24 Program Cost:** \$ 7,935,260

**Department:** Public Works                      **Division:** Transportation                      **Capital Program:** Complete Streets

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 520,499	\$ 506,640	\$ 514,579	\$ 4,839,829	\$ 2,074,212	\$ -	\$ 7,935,260
Staff/Labor	\$ 71,651	\$ 133,262	\$ 141,201.40	\$ 967,966	\$ 414,842		\$ 1,657,272
Design/Consultant	\$ 269,500	\$ 373,378	\$ 373,378				\$ 746,756
Construction	\$ 179,348		\$ -	\$ 3,871,863	\$ 1,659,370		\$ 5,531,233
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 520,499</u>	<u>\$ 506,640</u>	<u>\$ 514,579</u>	<u>\$ 4,839,829</u>	<u>\$ 2,074,212</u>	<u>\$ -</u>	<u>\$ 7,935,260</u>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 489 - UCLRD	\$ 469,823	\$ -	\$ 21,219	\$ 555,128	\$ 160,829		\$ 737,177
Fund 674 - Caltrans OBAG (Federal) Grant	\$ -	\$ 506,640	\$ 493,360	\$ 4,284,700	\$ 1,836,300		\$ 7,121,000
Fund 407 - Measure BB	\$ -	\$ -	\$ -	\$ -	\$ 77,083		\$ 77,083
Fund 010 - GF	\$ 30,645						
Fund 610 - CIP	\$ 19,793						
Fund 392 - M B B&P	\$ 119						
Fund 397 - VRF	\$ 119	\$ -	\$ -	\$ -	\$ -		\$ -
<b>Total</b>	<u>\$ 520,499</u>	<u>\$ 506,640</u>	<u>\$ 514,579</u>	<u>\$ 4,839,829</u>	<u>\$ 2,074,212</u>	<u>\$ -</u>	<u>\$ 7,935,260</u>

<b>Project Description:</b>	Improve safety and access for bicyclists, pedestrians, and transit on the south side of the UC campus. The project includes protected bikeways, transit-only lanes, corner sidewalk bulbouts, slip lane removal or modifications, and protected signal phases.
<b>Project Justification:</b>	Berkeley Strategic Transportation Plan 5-Year Priority Project
<b>Project Location:</b>	Bancroft between Piedmont & Milvia; Telegraph, Dana and Fulton between Dwight & Bancroft
<b>History/Notes:</b>	Caltrans E-76 for PE/PS&E has been received; Program Supplement Agreement for this phase is expected to be received in Jan 2019 for the City manager to sign. (Description of accomplishments in Phase 1).

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Citywide Bicycle Parking

**Project Number:** 19BPXX

**Project Total Cost:** \$ 299,990      **FY 20-24 Program Cost:** \$ 299,990

**Department:** Public Works      **Division:** Transportation      **Capital Program:** Bicycle and Pedestrian

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 86,664	\$ 86,664	\$ 86,662	\$ -	\$ -	\$ 259,990
Staff/Labor	\$ -	\$ 14,997	\$ 14,997	\$ 14,996			\$ 44,990
Design/Consultant	\$ -	\$ -					\$ -
Construction	\$ -	\$ 71,667	\$ 71,667	\$ 71,666			\$ 215,000
Ops/Maint Cost	\$ -	\$ 13,334	\$ 13,333	\$ 13,333			\$ 40,000
<b>Total</b>	\$ -	\$ 99,998	\$ 99,997	\$ 99,995	\$ -	\$ -	\$ 299,990

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Fund 613 - BAAQM							
TFCA	\$ -	\$ 60,000	\$ 60,000	\$ 60,000			\$ 180,000
Fund 407 - Measure BB	\$ -	\$ 26,664	\$ 26,664	\$ 26,662			\$ 79,990
Fund 392 - Measure B		\$ 13,334	\$ 13,333	\$ 13,333			\$ 40,000
		\$ -	\$ -	\$ -			\$ -
<b>Total</b>	\$ -	\$ 99,998	\$ 99,997	\$ 99,995	\$ -	\$ -	\$ 299,990

<b>Project Description:</b>	Install bicycle racks and bike corrals city-wide in response to public requests and identified need. This is transitioning to using an on-call contractor so the public will not have to wait years for a new rack and to ease inspection scheduling.
<b>Project Justification:</b>	Tier 1 project in Council-adopted 2017 Bicycle Plan as well as strong public expectation and available allocation from Transportation Fund for Clean Air.
<b>Project Location:</b>	Citywide
<b>History/Notes:</b>	Transitioning to using an on-call contractor

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Transportation Impact Fee Nexus Study & Transportation Impact Study Guidelines

**Project Number:**

**Project Total Cost:** \$ 112,730

**FY 20-24 Program Cost:** \$ 56,365

**Department:** Public Works

**Division:** Transportation

**Capital Program:** Traffic Operations / Complete Streets

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 56,365	\$ 56,365	\$ -	\$ -	\$ -	\$ -	\$ 56,365
Staff/Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design/Consultant	\$ 56,365	\$ 56,365					\$ 56,365
Construction	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ 56,365</b>	<b>\$ 56,365</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 56,365</b>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
FUND 614 MTC - TDA							
Article 3	\$ 28,183	\$ 28,183					\$ 28,183
	\$ 28,183	\$ 28,183	\$ -	\$ -	\$ -	\$ -	\$ 28,183
		\$ -					\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 56,365</b>	<b>\$ 56,365</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 56,365</b>

**Project Description:** Conduct a nexus study to support the levying of a citywide transportation impact fee from land developers and to identify the amount of the fee and how to calculate it. Develop new Transportation Impact Study Guidelines for use by developers and City staff in identifying needed transportation projects in the immediate vicinity of land development projects, to be funded and built by developers as a condition of approval of their land development projects.

Changes to the California Environmental Quality Act taking effect 1/1/20 necessitate coming up with an alternative way of acquiring funding to address transportation impacts of land development projects.

**Project Justification:**

**Project Location:** Citywide

**History/Notes:**



**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** Bicycle Plan 2022

**Project Number:**

**Project Total Cost:** \$ 250,000

**FY 20-24 Program Cost:** \$ 250,000

**Department:** Public Works

**Division:** Transportation

**Capital Program:** Traffic Operations / Complete Streets

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Staff/Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design/Consultant			\$ 125,000	\$ 125,000			\$ 250,000
Construction	\$ -		\$ -	\$ -			\$ -
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

<b>Sources of Funding</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
FUND 614 MTC - TDA							
Article 3		\$ -	125000	125000			\$ 250,000
		\$ -	\$ -	\$ -			\$ -
		\$ -					\$ -
		\$ -	\$ -	\$ -			\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

<b>Project Description:</b>	Update the citywide Bicycle Plan to meet the Alameda CTC requirement to update the City's bicycle and pedestrian plans every five years.
<b>Project Justification:</b>	Required by Ala CTC and MTC to maintain eligibility for grant funding for capital projects
<b>Project Location:</b>	Citywide
<b>History/Notes:</b>	The City's Bicycle Plan was last updated in 2017.



This page left intentionally blank

## OTHER INFRASTRUCTURE

The projects and programs listed here in the “Other Infrastructure” category because they do not directly fit other capital program categories such as Streets or Facilities (buildings). As such, the fund sources for respective projects vary.

### **Closed Landfill**

The Public Works Department maintains, monitors and repairs the City’s closed landfill. The closed landfill accepted waste from approximately 1961 until its closure in 1985 and has an active gas collection and control system (GCCS) with an existing methane destruction device (flare station). Currently, the Site is developed as a City Park, known as Cesar Chavez Park, with approximately half of the 90-acre area landscaped as lawn area that is regularly maintained, and the other half designated as a natural area with native seasonal grasses, and a bird nesting area. Annual funding has been allocated in the past for both routine and non-routine maintenance and monitoring the landfill. Approximately \$320,000 of annual funding (plus a 3% annual increase in cost) is proposed to continue for FY 2020-2024. In 2015, the Public Works Department funded a project to replace the original flare station and construction was completed in August, 2017. The next scheduled major capital project at the landfill is the repair of the rock armoring on the east side of the park to prevent erosion. This project is scheduled to begin work in April, 2019.

### **City Streetlight Program**

The five year comprehensive city streetlight program has an annual budget of approximately \$1.5M, which is schedule to be supplemented with revenues from a property assessment (passage of Proposition 218, June 2018) in the amount of approximately \$500,000 annually starting FY19. Streetlight Program projects include streetlight pole replacement, pole painting and rust removal, installation of additional streetlights on existing poles, streetlight pedestal upgrades, and program related tree trimming.

### **Underground Utility District No. 48 Project**

Underground Utility District (UUD) No. 48 Project was created and approved by the City Council in the early 1990s to underground overhead utilities to enhance the aesthetics of the community and to create a general public benefit within the established UUD No. 48 boundary (in the area of Grizzly Peak Blvd. and Summit Road). Existing utility poles within the UUD boundary would be removed. New streetlight poles (approx. 22) would be installed to replace the lighting on the wood utility poles. PG&E will be ready to bid the UUD No. 48 project for construction proposals in May 2019 and be ready to construct the project in summer 2019. No budget has been allocated for this effort. Assessments from residents were received in the 1990s, however the funds were inadvertently spent on other lighting projects. A minimum of \$600,000 of City General Funds is requested to support the project. The construction cost of the project is approximately \$8,000,000 and will be paid for through the City’s balance of Rule 20A credits. The requested funds are

## OTHER INFRASTRUCTURE

for expenses that are not payable by 20A credits according Public Utility Commission (PUC) Rule 20A Guidelines, and are required to support the project.

### **Transfer Station (TS)**

Transfer Station Planning Projects: The Transfer Station (160 ft. by 150 ft.), which was constructed in 1982, is in desperate need of a redesign. As part of this process, a Feasibility Study, Design/Engineering Plans, Geotechnical Site Investigation, CEQA Process and actual construction are anticipated to occur over the course of the next 5 years. Currently, the TS has one below grade Municipal Solid Waste load out tunnel (to top load trailers with up to 20 tons of MSW). Since its establishment, a second loadout tunnel has been installed. The Transfer Station, its ancillary structures and operations are in need of replacement due to the following: the facilities are showing considerable wear and tear after thirty-five (35) years of operation; the current facilities do not promote efficient diversion or recycling of incoming wastes due to the need to integrate the City's recycling operations vendors: Zero Waste, Ecology (collects the City's residential recyclables) and Community Conservation Center (sorts and markets delivered recyclables) operations and facilities.

A City Council work session to be held on November 5, 2019, is anticipated to result in identification of a conceptual replacement option developed by the City's Study contractor, Zero Waste Collaborative, Inc.

AirCo Building: The Air Co Building located at the Transfer Station is being slated for upgrades in FY 2020 to create additional office space for Zero Waste staff, who are currently operating in very limited office space.

# Other Infrastructure

## Program and Funding Summary

<b>Program Summary</b>						
<b>Project Description</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
<b>Recurring Funding</b>						
City Streetlight Program	416,608	443,026	199,660	392,798	392,798	1,844,890
Landfill Postclosure Monitoring (routine)	167,000	172,010	177,170	182,485	187,960	886,626
EV Charging Stations at Corp Yard and Marina	600,000	0	0	0	0	600,000
Undergrounding District 48 - Grizzly Peak	250,000	260,000				510,000
Closed Landfill Maintenance and Monitoring (non routine)	153,328	157,928	162,666	167,546	172,572	814,039
<b>Total</b>	<b>1,586,936</b>	<b>1,032,964</b>	<b>539,496</b>	<b>742,829</b>	<b>753,330</b>	<b>4,655,555</b>
<b>Funding Summary</b>						
<b>Fund Source</b>	<b>Proposed FY 2020</b>	<b>Proposed FY 2021</b>	<b>Proposed FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>5 Year Total</b>
Capital Improvement Fund	250,000	260,000				510,000
General Fund (Proposed)	600,000	0				600,000
Streetlight Assessment District Fee	416,608	443,026	199,660	392,798	392,798	1,844,890
Zero Waste Fund	320,328	329,938	339,836	350,031	360,532	1,700,665
<b>Total</b>	<b>1,586,936</b>	<b>1,032,964</b>	<b>539,496</b>	<b>742,829</b>	<b>753,330</b>	<b>4,655,555</b>

**City of Berkeley**  
**FY 2020 - 2024 Capital Improvement Program**

**Project Form**

**Project Name:** City Streetlight Program

**Project Number:**

**Project Total Cost:** \$ 1,844,890

**FY 20-24 Program Cost:** \$ 1,844,890

**Department:** Public Works

**Division:** Facilities

**Capital Program:** Other Infrastructure

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ -	\$ 416,608	\$ 443,026	\$ 199,660	\$ 392,798	\$ 392,798	<u>\$ 1,844,890</u>
Staff/Labor							\$ -
Design/Consultant							\$ -
Construction	\$ -	\$ 416,608	\$ 443,026	\$ 199,660	\$ 392,798	\$ 392,798	<u>\$ 1,844,890</u>
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ -</u>	<u>\$ 416,608</u>	<u>\$ 443,026</u>	<u>\$ 199,660</u>	<u>\$ 392,798</u>	<u>\$ 392,798</u>	<u>\$ 1,844,890</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 142 (470) - St Lt Assmt District	\$ -	\$ 416,608	\$ 443,026	\$ 199,660	\$ 392,798	\$ 392,798	<u>\$ 1,844,890</u>
<b>Total</b>	<u>\$ -</u>	<u>\$ 416,608</u>	<u>\$ 443,026</u>	<u>\$ 199,660</u>	<u>\$ 392,798</u>	<u>\$ 392,798</u>	<u>\$ 1,844,890</u>

<b>Project Description:</b>	Paint, repair, or replace approximately 3,000 streetlight poles and fixtures as recommended in the conditions assessment and fee study.
<b>Project Justification:</b>	Much needed deferred maintenance and capital improvement.
<b>Project Location:</b>	Citywide
<b>History/Notes:</b>	

# City of Berkeley

## FY 2020 - 2024 Capital Improvement Program

### Project Form

**Project Name:**                    **Underground Utility District No. 48 Project**

**Project Number:**

**Project Total Cost:**        \$ 600,000

**FY 20-24 Program Cost:**        \$ 510,000

**Department:** Public Works

**Division:** Engineering

**Capital Program:** Utility Undergrounding

<b>Project Budget</b>	Previous	2020	2021	2022	2023	2024	5 Yr Total
Project Cost	\$ 90,000	\$ 250,000	\$ 260,000	\$ -	\$ -	\$ -	\$ 510,000
Staff/Labor	\$ 45,000	\$ 45,000					\$ 45,000
Design/Consultant	\$ -	\$ 90,000					\$ 90,000
Construction	\$ -	\$ -	\$ 260,000				\$ 260,000
Right of Way	\$ 45,000	\$ 115,000					\$ 115,000
Ops/Maint Cost	\$ -						\$ -
<b>Total</b>	<u>\$ 90,000</u>	<u>\$ 250,000</u>	<u>\$ 260,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 510,000</u>

<b>Sources of Funding</b>		2020	2021	2022	2023	2024	5 Yr Total
Fund 011 (010) -							
General Fund	\$ 45,000						\$ -
Fund 501 (610) -	\$ 45,000	\$ 250,000	\$ 260,000				\$ 510,000
Fund xxx (xxx) -							\$ -
<b>Total</b>	<u>\$ 90,000</u>	<u>\$ 250,000</u>	<u>\$ 260,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 510,000</u>

**Project Name:**                    **Underground Utility District No. 48 Project (Continued)**

**Project Description:** Underground Utility District (UUD) No. 48 Project was created and approved by the City Council in the early 1990s to underground overhead utilities (PG&E, Comcast and AT&T) to underground to enhance the aesthetics of the community and create a general public benefit within the established UUD No. 48 boundary in the area of Grizzly Peak Blvd. and Summit Road. The Project consists of relocation of overhead utilities either into a main trench within the roadway or to the side of the roadway within the City right-of-way within the UUD boundary. Existing utility poles within the UUD boundary will be removed. New streetlight poles (approx. 22) will be installed to replace the lighting on the wood utility poles. The project will benefit 175 parcels along approximately 7000 linear feet of roadway centerline within the boundary of UUD No. 48. Acquisition of a total of 1443 SF easements on 3 properties will be required to construct the project.

**Project Justification:** UUD No. 48 project had no City funds set aside for the project in the recent past. In 2018, the City used the \$16,000 set aside for Citywide Undergrounding consultant services for UUD No. 48 consultant services project, and those minimal funds have been exhausted. PG&E will be ready to bid the UUD No. 48 project for construction proposals in May 2019 and be ready to construct the project in summer 2019. The City still needs property appraisal and acquisition services to secure 5 easements in order to construct the project. The easements acquisitions are estimated at \$160,000. The appraisal and acquisition services need to be complete by April 2019 and the acquisitions need to be secured by May 2019 in order to stay on schedule with the project. Staff are spending time to manage the project now and will continue to spend time throughout the construction of the project. No budget has been allocated for this effort. The new lighting to replace the lighting on the wood utility poles that will be coming down has a significant cost. The costs were already assessed to the residents and received in the 1990s but the funds were inadvertently spent on other lighting projects. A minimum of \$600,000 of City General Funds is requested to support the project. The construction cost of the project is approximately \$8,000,000 and will be paid for through the City's balance of Rule 20A credits. The requested funds are for expenses that are not payable by 20A credits according Public Utility Commission (PUC) Rule 20A Guidelines, and are required to support the project.

**Project Location:** Along Grizzly Peak Boulevard between Hill Road and southeastern City Limit; Summit Road between Atlas Place and Grizzly Peak Blvd; Summit Road from Grizzly Peak Blvd to 1545 Summit Road; Summit Lane; Senior Avenue; Avenida Drive between Queens Road and Grizzly Peak Boulevard

**History/Notes:**                    There was no previous appropriation for this project specifically.



# EQUIPMENT & FLEET

## **Summary**

All City Departments make annual replacement contributions into the Equipment Replacement Fund for the eventual replacement of their vehicles. Historically, the Equipment Maintenance Division has been responsible for determining what each Department's replacement contribution will be, recommending a schedule of vehicle replacements to the City Manager, and purchasing the equipment from the Replacement Fund in accordance with the replacement schedule. Staff will continue to review the replacement schedule and identify the vehicles on the schedule that can be replaced with energy saving vehicles.

## **Accomplishments**

In addition to managing the replacement schedule and purchase of new vehicles, the Equipment Maintenance Division maintains the city's fleet of 621 vehicles. In FY 2018 & 2019, purchases to replace 24 of vehicles were made, in the amount of \$4,105,292.

## **Equipment Backlog**

The equipment replacement backlog is currently estimated in the millions. The replacement of the remaining equipment and vehicles on the backlog is planned through FY 2024, as funds become available.

## **Funding**

The proposed budget reflects the 5-year replacement plan to replace equipment and vehicles citywide. The amount budgeted per year varies due to type/cost of the vehicles on the replacement schedule. All departments contribute to the Equipment Replacement Fund based on the projected replacement cost of each of their vehicles and in according to the vehicle's replacement schedule. Replacement vehicles are not purchased until the vehicle to be replaced has been fully funded. New vehicle purchases that are fleet additions (net new vehicles) are then added to the equipment replacement schedule and departmental cost allocation.

# Equipment & Fleet

## Program and Funding Summary

<b>Program Summary</b>						
Project Description	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
<b>Recurring Funding</b>						
Vehicle Replacment	2,611,000	3,515,000	6,664,227	1,902,000	1,036,000	15,728,227
<b>Total</b>	<b>2,611,000</b>	<b>3,515,000</b>	<b>6,664,227</b>	<b>1,902,000</b>	<b>1,036,000</b>	<b>15,728,227</b>
<b>Funding Summary</b>						
Fund Source	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	5 Year Total
Equipment Replacement Fund	2,611,000	3,515,000	6,664,227	1,902,000	1,036,000	15,728,227
<b>Total</b>	<b>2,611,000</b>	<b>3,515,000</b>	<b>6,664,227</b>	<b>1,902,000</b>	<b>1,036,000</b>	<b>15,728,227</b>

## EQUIPMENT & FLEET

### FY 2020 Vehicle Replacement Schedule

Equipment Number	Description	Replacement Fiscal Year	Replacement Cost
1802	CARGO VAN (SEU)	FY20	\$ 57,116.62
1812	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1813	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1814	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1815	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1816	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1817	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1818	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1819	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1820	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1821	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1822	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1823	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1824	POLICE SUV EXPLORER	FY20	\$ 50,000.00
1825	POLICE SUV EXPLORER 14	FY20	\$ 50,000.00
1929	EXPEDITION	FY20	\$ 75,672.15
2318	BACKHOE /LOADER	FY20	\$ 171,377.53
2320	RANGER SUPERCAB 4X2	FY20	\$ 34,166.84
2601	P/U WITH LIFT GATE	FY20	\$ 54,900.49
2602	P/U WITH LIFT GATE	FY20	\$ 54,900.49
2603	P/U WITH LIFT GATE	FY20	\$ 54,900.49
2700	ARROW BOARD TRAILER	FY20	\$ 11,086.66
2902	1/2 TON PICKUP(ON CALL)	FY20	\$ 26,161.22
2903	1/2 TON PICKUP	FY20	\$ 26,616.22
3013	4X4 TRACTOR	FY20	\$ 140,162.11
3904	SMALL EQUIPMENT TRAILER	FY20	\$ 6,155.28
3905	SMALL EQUIPMENT TRAILER	FY20	\$ 6,155.28
3906	SMALL EQUIPMENT TRAILER	FY20	\$ 6,155.28
3907	SMALL EQUIPMENT TRAILER	FY20	\$ 6,625.44
3908	SMALL EQUIPMENT TRAILER	FY20	\$ 6,915.78
4111	RANGER UTILITY	FY20	\$ 46,447.81
4112	RANGER UTILITY	FY20	\$ 40,912.09
4113	RANGER UTILITY	FY20	\$ 40,912.09
6213	LEAF VACUUM	FY20	\$ 1,000.00
6504	WHEEL LOADER	FY20	\$ 293,559.31
6505	HYBRID WHEEL LOADER	FY20	\$ 497,576.96
8191	16 PASSENGER BUS W/C LIFT	FY20	\$ 81,350.98
8602	3/4 TON UTILITY TRUCK	FY20	\$ 55,401.72
9002	MINI PICKUP	FY20	\$ 19,415.64
9018	FORD 1/2 TON PICK UP	FY20	\$ 29,350.84
9116	HYBRID TOYOTA PRIUS	FY20	\$ 39,065.84
9801	1/2 TON P/U (SHOP TRUCK)	FY20	\$ 27,221.09
<b>TOTAL</b>			<b>\$ 2,611,282.25</b>

## EQUIPMENT & FLEET

### FY 2021 Vehicle Replacement Schedule

Equipment Number	Year	Description	Replacement Fiscal Year	Replacement Cost
1621	2015	2015 HONDA MOTORCYCLE	21	\$ 33,411.60
1622	2015	2015 HONDA MOTORCYCLE	21	\$ 33,411.60
1623	2015	2015 HONDA MOTORCYCLE	21	\$ 33,411.60
1624	2015	2015 HONDA MOTORCYCLE	21	\$ 33,411.60
1967	2011	4X4 SPORT UTILITY	21	\$ 98,374.04
2049	2017	WET VAC	21	\$ 1,471.00
2050	2017	WET VAC	21	\$ 1,471.00
2377	2011	F150 4X2 SUPERCAB	21	\$ 36,150.55
2600	2011	SD CUTAWAY VAN	21	\$ 66,772.79
3034	2016	BRUSH CHIPPER	21	\$ 68,065.30
3035	2016	BRUSH CHIPPER	21	\$ 68,065.30
3036	2016	BRUSH CHIPPER	21	\$ 68,065.30
4011	2011	PRIUS HYBRID	21	\$ 36,000.00
4705	2005	35' AERIAL TRUCK	21	\$ 269,456.73
6366	2008	30YD SIDE LOADER B/U	21	\$ 300,288.38
6377	2013	MCNIELIUS CNG FRT LOADER	21	\$ 524,107.58
6378	2013	MCNIELIUS CNG FRT LOADER	21	\$ 524,107.58
6379	2013	MCNIELIUS FRT LOADER	21	\$ 482,611.28
6380	2013	MCNIELIUS FRT LOADER	21	\$ 482,611.28
6404	2011	FUSION 4 DOOR	21	\$ 32,254.28
8231	2011	15 PASSENGER VAN	21	\$ 42,397.73
9106	2006	HYBRID TOYOTA PRIUS	21	\$ 55,828.67
9107	2006	HYBRID TOYOTA PRIUS	21	\$ 55,828.67
9109	2006	HYBRID TOY PRIUS(POOL)	21	\$ 55,828.67
9111	2006	HYBRID TOYOTA PRIUS(SUP)	21	\$ 55,828.67
9112	2006	HYBRID TOYOTA PRIUS	21	\$ 55,828.67
				<b>\$ 3,515,059.87</b>

## EQUIPMENT & FLEET

### FY 2022 Vehicle Replacement Schedule

Equipment Number	Year	Description	Replacement Fiscal Year	Replacement Cost
1811	2015	TUNDRA 4X4 (TRAFFIC)	22	\$ 54,948.12
1902	2015	EXPLORER (CHIEF)	22	\$ 44,966.90
1959	2011	4X4 TYPE 3 (E305)	22	\$ 507,664.05
1973	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
1974	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
1975	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
1976	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
1977	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
2300	2017	HONDA GENERATOR EU3000I	22	\$ -
2382	2014	1/2 TON PICKUP TRUCK	22	\$ 27,676.54
2604	2013	E250 CARGO VAN	22	\$ 49,890.62
2605	2013	E250 CARGO VAN	22	\$ 49,890.62
2606	2013	E250 CARGO VAN	22	\$ 49,890.62
2607	2013	E250 CARGO VAN	22	\$ 49,890.62
2608	2013	E250 CARGO VAN	22	\$ 49,890.62
2909	2013	FORD ESCAPE	22	\$ 38,203.89
2910	2012	FORD F550 (SIGN TRUCK)	22	\$ 88,862.16
3021	2008	F250 4X2 REG CAB	22	\$ 45,088.45
3033	2015	RIDING MOWER 4X4	22	\$ 45,793.02
3246	2012	3/4 TON PICK UP	22	\$ 33,125.04
3247	2012	3/4 TON PICK UP	22	\$ 37,600.92
3248	2012	3/4 TON PICK UP	22	\$ 37,600.92
3249	2012	3/4 TON PICK UP	22	\$ 37,600.92
3740	2013	RIDING MOWER 4WD	22	\$ 66,687.90
3741	2013	RIDING MOWER 4WD	22	\$ 66,687.90
3861	2015	4 WD MOWER	22	\$ 140,998.15
4805	2012	HYBRID TOYOTA PRIUS	22	\$ 36,000.00
6211	2012	F150 4X2 SUPERCAB	22	\$ 40,352.04
6214	2017	LEAF VACUUM	22	\$ 1,000.00
6281	2012	F150 4X2 SUPERCAB	22	\$ 40,352.04
6282	2012	F150 4X2 SUPERCAB	22	\$ 40,352.04
6284	2012	F150 4X2 SUPERCAB	22	\$ 40,352.04
6367	2012	HEIL SIDELOADER	22	\$ 400,000.00
6368	2012	HEIL SIDELOADER	22	\$ 400,000.00
6369	2012	HEIL SIDELOADER	22	\$ 400,000.00
6370	2012	HEIL SIDELOADER	22	\$ 400,000.00
6371	2012	HEIL SIDELOADER	22	\$ 400,000.00
6372	2012	HEIL CNG SIDELOADER	22	\$ 450,000.00
6373	2012	HEIL CNG SIDELOADER	22	\$ 450,000.00
6374	2012	HEIL CNG SIDELOADER	22	\$ 450,000.00
6375	2012	HEIL CNG SIDELOADER	22	\$ 450,000.00
6376	2012	HEIL CNG SIDELOADER	22	\$ 450,000.00
8506	2012	HYBRID TOYOTA PRIUS	22	\$ 46,485.29
8507	2012	HYBRID TOYOTA PRIUS	22	\$ 46,485.29
8508	2012	HYBRID TOYOTA PRIUS	22	\$ 46,485.29
8509	2012	HYBRID TOYOTA PRIUS	22	\$ 46,485.29
8519	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
8520	2013	FORD ESCAPE 4WD	22	\$ 40,933.73
9004	2012	ESCAPE HYBRID	22	\$ 53,015.75
9019	2012	ESCAPE HYBRID	22	\$ 55,825.36
9119	2013	FORD ESCAPE	22	\$ 38,203.89
9120	2013	FORD ESCAPE	22	\$ 38,203.89
9604	2013	ESCAPE SE FWD	22	\$ 35,135.45
				<b>\$ 6,664,227.75</b>

## EQUIPMENT & FLEET

### FY 2023 Vehicle Replacement Schedule

Equipment Number	Year	Description	Replacement Fiscal Year	Replacement Cost
1806	2013	FUSION HYBRID(CPT-C2)	23	\$ 49,602.87
1807	2013	FUSION HYBRID(CPT-C3)	23	\$ 49,602.87
1830	2017	POLICE SUV EXPLORER	23	\$ 67,573.00
1831	2017	POLICE SUV EXPLORER	23	\$ 67,573.00
1832	2017	POLICE SUV EXPLORER	23	\$ 67,573.00
1833	2017	POLICE SUV EXPLORER	23	\$ 67,573.00
1834	2017	POLICE SUV EXPLORER	23	\$ 67,573.00
1835	2018	CHEVROLET TAHOE	23	\$ 72,155.00
1836	2018	POLICE SUV EXPLORER	23	\$ 66,560.00
1933	2013	15 PASSENGER VAN	23	\$ 52,151.52
2034	2013	CRACK FILL MACHINE	23	\$ 83,097.40
2035	2013	CRACK ROUTER	23	\$ 13,939.76
2319	2011	VACTOR	23	\$ 683,293.84
2378	2013	F150 SUPERCAB PICK UP	23	\$ 47,869.20
2379	2014	TUNDRA 4X2	23	\$ 53,191.99
2380	2014	TUNDRA 4X2	23	\$ 53,191.99
2381	2014	ESCAPE SE FWD	23	\$ 42,655.06
3001	2013	UTILITY TRAILER 5X8	23	\$ 6,842.95
3002	2013	UTILITY TRAILER 4X6	23	\$ 4,768.97
3003	2013	UTILITY TRAILER 4X6	23	\$ 4,768.97
3004	2013	UTILITY TRAILER 4X6	23	\$ 4,768.97
3005	2013	UTILITY TRAILER 4X6	23	\$ 4,768.97
3205	2013	1/2 TON PICKUP	23	\$ 35,441.66
3250	2014	TACOMA 4X2	23	\$ 35,629.36
3863	2017	2017 BILLYGOAT VACUUM	23	\$ -
8006	2008	HYBRID TOYOTA PRIUS	23	\$ 36,000.00
8007	2008	HYBRID TOYOTA PRIUS	23	\$ 36,000.00
9123	2013	HYBRID TOYOTA PRIUS	23	\$ 39,369.18
9124	2013	F150 SUPERCAB	23	\$ 46,451.40
9605	2014	ESCAPE FWD	23	\$ 42,655.06
				<b>\$ 1,902,641.99</b>

## EQUIPMENT & FLEET

### FY 2024 Vehicle Replacement Schedule

Equipment Number	Year	Description	Replacement Fiscal Year	Replacement Cost
1811	2015	TRANSIT 350 LR VAN	24	\$ 50,168.78
1829	2017	POLICE SUV EXPLORER	24	\$ 63,994.55
1830	2017	POLICE SUV EXPLORER	24	\$ 66,814.55
2914	2014	THERMOPLASTIC APPLICATOR	24	\$ 156,279.58
3127	2014	1/2 TON UTILITY	24	\$ 50,148.27
3128	2014	1/2 TON UTILITY	24	\$ 50,148.27
3129	2014	1/2 TON UTILITY	24	\$ 50,148.27
3252	2014	TACOMA 4X2	24	\$ 38,280.83
4115	2015	ESCAPE SE FWD	24	\$ 38,086.01
6406	2014	TACOMA 4X2	24	\$ 37,836.65
8511	2014	HYBRID TOYOTA PRIUS	24	\$ 42,279.13
8512	2014	HYBRID TOYOTA PRIUS	24	\$ 50,320.07
9115	2009	HYBRID TOYOTA PRIUS	24	\$ 51,634.77
9522	2015	HYBRID TOYOTA PRIUS	24	\$ 42,550.55
	2014	T/S SHOP TRUCK	24	\$ 247,333.76
				<b>\$ 1,036,024.04</b>