



# WORK IN PROGRESS

2019-2021 CAPITAL BUDGET  
& FIVE YEAR CAPITAL  
IMPROVEMENT PROGRAM

BIG, GRANT  
FUNDED ONE-TIME  
TRANSPORTATION  
PROJECTS

STORMWATER  
FUND FIX  
FLOODING  
CONCERNS

STREETLIGHTS  
DEFERRED  
MAINTENANCE

CLIMATE  
CHANGE AND  
SEA LEVEL  
RISE

FIX  
IT  
FIRST

ONE-TIME  
MATCHING  
FUNDS

CITYWIDE  
INFRASTRUCTURE  
NEEDS  
REHABILITATION  
PROJECTS

# INTRODUCTION

Alameda’s capital improvement program (CIP) aims to maintain and improve our City’s aged public infrastructure as best it can with the resources available.

This capital budget emphasizes:

- **the unusually large amount of capital work completed and proposed**, especially in light of \$60 million worth of grant-funded (and locally matched) transportation projects;
- **a “fix it first” approach** where proper maintenance of Alameda’s existing infrastructure is prioritized above requests for “new” infrastructure;
- **the need for additional revenue** to adequately maintain our existing infrastructure, most urgently with the City’s depleted stormwater fund.

Public infrastructure includes the City’s streets, sewers, storm drains, transportation, streetlights, trees, buildings, and parks. While this budget plans through Fiscal Year 2023/2024, the City Council will only allocate funds for Fiscal Years 2019/2020 and 2020/2021. This capital improvement program (CIP) and budget will be proposed, along with the City’s operating budget, for approval by the City Council on June 18, 2019.

**This CIP includes several notable improvements from past years.** It includes condition assessments of the City’s streetlights as well as the electrical conduit that supplies powers to these streetlights. It provides an overview of Alameda’s infrastructure needs, both the \$700 million in needs at Alameda Point and \$200+ million citywide. It also speaks more specifically about revenue measures that might make a substantial dent in the backlogs of repairs to our streets, stormwater system, City facilities, etc.

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Consistent with the “fix it first” approach, the next two years of the CIP will improve the deteriorating condition of our public infrastructure:

■ **Replace 6 miles of sewer and upgrade 5 pump stations.** This work is vital to ensure compliance with a settlement agreement between the EPA, EBMUD, and eighteen cities, including Alameda.

■ **Pave 7 miles of street.** This program funds the next two years of a three-year street paving plan.

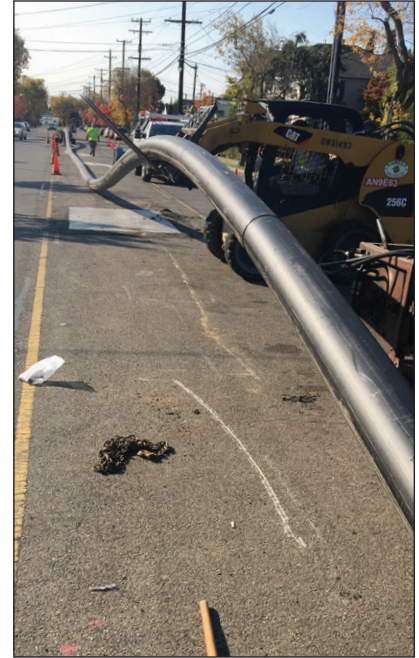
■ **Complete \$3 million worth of City building repairs.** Funds the next two years of a comprehensive twelve year plan for building maintenance, renewal, and replacement.

■ **Make \$2.5 million in repairs to Alameda's parks, playgrounds, and recreation facilities.**

■ **Complete nearly \$1.5 million in LED retrofits and repairs of streetlights.** This plan tackles full LED retrofitting of Alameda's streetlights, the first two years of repairs of streetlights that are beyond their useful life, and as importantly, the underground conduits that have already begun to fail, leading to inoperable streetlights.

■ Continue to implement important, ongoing projects such as the complete streets at **Central, Clement, and Tilden Avenues, and construction of the Encinal Boat Ramp, Otis Drive Traffic Calming Improvements, and the Seaplane Lagoon Ferry Terminal.**

It is no accident that this CIP is titled, “A Work in Progress.” There are several multi-year and multi-phase projects, especially multi-modal transportation projects, that will take a lot of effort, resources, and focus to complete successfully.





# Alameda's infrastructure faces significant challenges.

## **More resources always help, especially when facing the scale of repair backlogs that Alameda has faced.**

However, in the last two years, the City has faced two related challenges. The costs of construction are increasing rapidly as the construction market overheats and City projects cost more. Similarly, hiring qualified engineers becomes very difficult because the engineering job market is so tight. All the while, Alameda's capital program tripled in size (compared to before 2015) and our Engineering Division has only increased by two full-time employees since 2010.

**Putting all of that together, the City has a very leanly staffed engineering division during one of the largest capital pushes** our City has had, and at a very difficult time to recruit talented engineers. None of these challenges are unique to Alameda. Our municipal neighbors and even the private sector face similar ones.

The other challenge remains the City's significant infrastructure needs. While this CIP proposes an ambitious investment in infrastructure, it does not significantly reduce the deferred maintenance in public infrastructure that stands at \$200+ million citywide. These backlogs are particularly acute in streetlights, streets, sidewalks, City buildings, parks and our stormwater system.

The City has made substantial progress since the last capital budget in creating a community-wide conversation about our infrastructure needs. Passage of the ½ cent sales tax in November 2018 is directly benefiting Alameda's infrastructure as this budget allocates many more millions to addressing urgent capital needs.

But the infrastructure conversation is by no means over. Our City has stormwater pumps and pipes that go back to the 1940s and 1950s, and in some cases, probably earlier. All told, this system has roughly \$52 million in infrastructure needs. Yet Alameda's stormwater fund is insolvent. The stormwater fee has remained flat for 10+ years while the City's stormwater needs have grown due to more stringent requirements of the State Water Quality Control Board and deferred maintenance in our storm stations and pumps.

Without additional revenue, the City will eliminate, or significantly reduce, our storm drain maintenance program and our street sweeping program, which is the stormwater system's first line of defense.

The City's remaining infrastructure needs are related to climate change, sea level rise, streets, sidewalks, parks, and City buildings. These needs will remain unmet unless Alamedans are provided the opportunity to consider and decide upon an infrastructure bond in November 2020.

## **Budgets are communication tools.**

This CIP attempts to communicate the challenges, opportunities, and choices presented in maintaining and improving Alameda's public infrastructure. It will remain available at [www.alamedaca.gov/finance](http://www.alamedaca.gov/finance) and <https://alamedaca.gov/public-works-key-documents>.

Public Works will introduce a 10 Year Capital Plan by June 2020. This document will be updated off cycle from the formal approval of the capital budget, and be a long range look at what projects are in the ten year horizon, which are funded, and where funds are short.



## WHAT ABOUT ALAMEDA POINT?

This is the first CIP in many years to include a capital project expressly focused on Alameda Point. Funded by building sales, Public Works is coordinating construction of nearly \$30 million in backbone infrastructure and street reconstruction to serve Alameda Point's reuse areas. Construction is planned to commence before June 30, 2021, and include 3/4 mile of complete street, 1 3/4 miles of water main, 1 mile of storm main, 1/2 mile of sewer main, and 2/3 mile of joint trench for dry utilities.



## WHAT IS A CAPITAL PROJECT?

To be included in the capital budget, a **project must cost more than \$100,000, and involve infrastructure with a useful life of at least five years.** Projects often involve significant public outreach and design work, and some include regulatory permitting before construction can begin. Construction is often phased, too. A key distinction between the capital and operating budget is that capital projects are approved in one year but their completion can take years. In contrast, operating budgets are typically focused on ongoing maintenance and are “use-it-or-lose-it” at year’s end, with unspent funds returned to the fund.

The 2017-2019 CIP included the successful construction and opening of Jean Sweeney Open Space Park (right) and portion of the Cross Alameda Trail through it (below).



A Capital project is

**>\$100,000** in cost and has  
**5** or more years of  
**infrastructure life**

## Is Alameda's Public Works Department the Best in the Bay Area?

The department has taken significant steps in the last several years to put itself in a position to state this claim. Following the department's 2015 strategic plan, an online public service request system and new computerized maintenance system were deployed, leading to 8 of 10 users stating in a survey that they'd recommend the service to a friend. More and more of our staff have the best certifications the field has to offer, and the department itself is the 2nd of its size in the Bay Area to achieve Agency Accreditation by the American Public Works Association. In addition, the department founded a project management unit in 2015 that has helped the department handle the 3x increase in capital repairs. There's more to be done, which is why the department updated its strategic plan in 2019, and is looking forward to more progress.

## WHAT DID THE 2017-2019 CIP ACCOMPLISH ?

**Some of the highlights from the past two years include:**

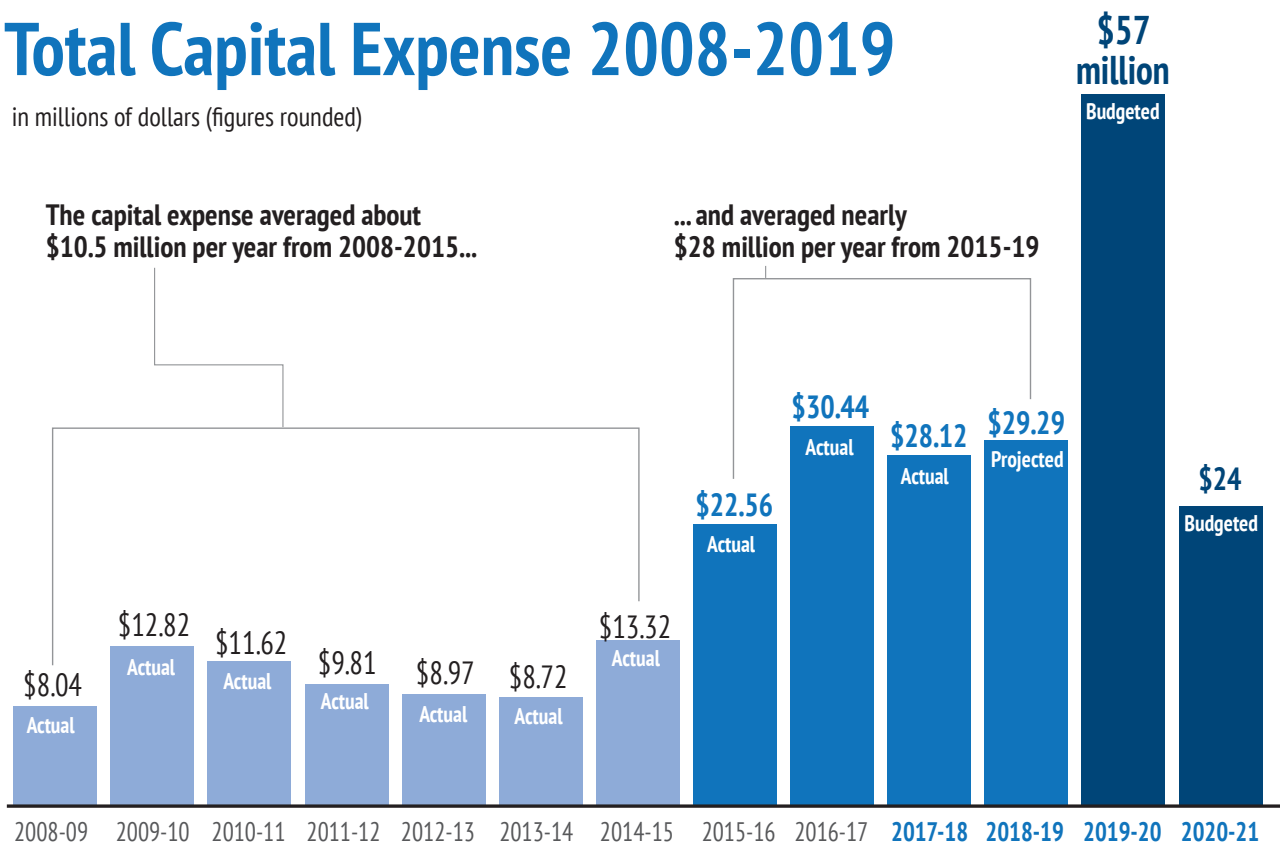
- Constructed the Jean Sweeney Open Space Park.
- Constructed 2 miles of the Cross Alameda Trail.
- Opened Estuary Park, Phase 1.
- Paved 10+ miles.
- Replaced 6+ miles of sewer main and improvements at 6 pump stations.
- Repaired 5.3 miles of sidewalk.
- Trimmed 7,004 trees, planted 400, and treated 410 for pests.
- Installed rectangular rapid flashing beacons at Mecartney and Island Drive, Webster and Haight, and Fernside and Harvard.
- Completed inventory and condition assessment of all street, park, and parking lot lights.
- Completed design of three traffic signal projects.
- New concept design for Main Street restriping.
- Updated 800+ single space parking meters to electronic locks and "smart" collection equipment.
- Completed construction of Emergency Operation Center and Fire Station #3.
- Replaced playgrounds at Littlejohn and Bayport Parks.
- Commenced design of nearly \$30 million in backbone infrastructure project to serve Alameda Point's Reuse Area.
- Built outdoor kitchen at Harrison Center in Lincoln Park.
- Replaced roofs at the Veterans Building, O'Club, Longfellow Park, Animal Shelter, Fire Station #1, and Maintenance Services Center.
- Advanced the Seaplane Lagoon Ferry Terminal; complete streets at Central, Clement, and Tilden Avenues; and Otis Drive Traffic Calming.
- Added 4+ miles of bikeways.

## HOW MUCH CAPITAL WORK IS GETTING DONE?

Executing the 2017-2021 CIP has left City staff busier than we've been in **decades**. The Engineering Division, which is primarily responsible for the design and construction of capital projects, increased by two full-time employees in the last eight years, yet capital work has tripled.

### Total Capital Expense 2008-2019

in millions of dollars (figures rounded)



### Follow the money.

■ **Annual capital activity increased** from ~\$10.5 million per year from 2009-2015 to nearly \$30 million annually. That's the City's third straight year of running a three-fold increase in capital work from the 2009-2015 average.

■ **The increase in capital work** is due to greater investment—and thus work—in construction of new parks, annual rehabilitation of streets and sidewalk, repairing key components of City buildings, and construction of the Cross Alameda Trail.

■ **All of this work is being completed** with only two additional full-time employees in our engineering division, a huge boost from ARPD on parks-led projects, and Public Works continuing to have difficulty filling three current engineering vacancies.





## Other 2017-2019 Projects

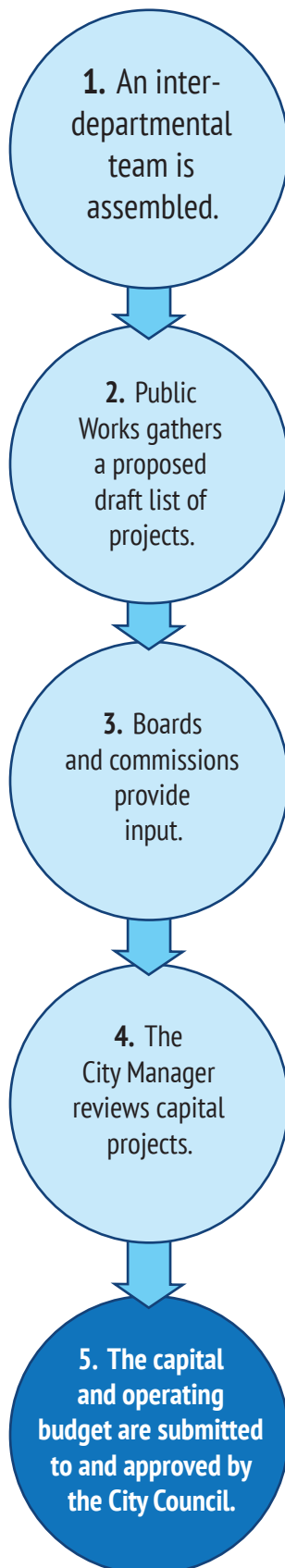
*“Plans are nothing, but planning is everything,”*

President Dwight Eisenhower

In an ideal world, the CIP represents 100% of the City’s workplan in maintaining and improving the public infrastructure. While the current and proposed CIP takes major steps toward that ideal, there will always be new projects realized after the capital program is approved that require execution during the capital plan’s two year time period. This is especially true when funding materializes from federal, state, or other governments.

In the past two years, these unplanned projects included:

- Process to update the City’s Climate Plan and address the City’s approach to adapting to climate change.
- Golf Course parking lot and utility improvements.
- Process to determine feasibility of various improvements at Alameda’s public pathways along Fernside and Eastshore Drive.
- Kickoff design of Alameda Point Reuse Area’s backbone infrastructure.
- Resurfacing of the street leading to the Encinal Boat Ramp.
- Redesign of the Cross Alameda Trail “gap” at Atlantic Avenue between Webster Street and Constitution Way after various changes, including a change in bus routes by AC Transit.
- Coordinating Caltrans’ resurfacing of Encinal Avenue segments.
- Responding to various streetlight failures due to aged conduit.



## BUDGET PROCESS

**In June, the City Council will approve a capital and operating budget for fiscal years 2019-2021.**

Each two-year capital budget begins with Public Works convening an interdepartmental team comprised of City Manager, Fire, Information Technology, Library, Police, Recreation and Parks, Base Reuse and Transportation Planning.

Public Works develops, and Finance approves, a projection of funds available for capital projects. Public Works gathers proposed projects for a draft list by January.

The Transportation Commission and Recreation and Park Commission provide input on the projects. Public Works incorporates the input along with input from the City's Executive Management Team, Boards and Commissions, and the public. In April or May, the Planning Board reviews and approves the draft capital projects for consistency with the City's General Plan.

After final review from the City Manager, the capital and operating budgets are submitted to City Council for approval in June.

With approval, each of these projects is assigned an accounting number, and the responsible department manages the public outreach, design, bidding, and construction of the project. For projects in which the full amount of money is not available for allocation at the beginning of the two years, the project will be appropriated funds one year at a time, typically by splitting the overall appropriated amount in half and any funds remaining at the fiscal year's end are carried forward to the next year. Funds remaining in a project at year's end are typically carried forward to the next year.

The budget also can be amended by the City Council at any time, especially as grants are won, new projects created, or as part of the biennial budget mid-cycle update.





## CONSISTENCY WITH CITY'S PLANS

**The capital budget is consistent with Alameda's General Plan and various plans already approved by the City Council.**

Written and approved in 1991, with revisions to the Transportation Element in 2009, the General Plan broadly directs Alameda's existing structures and public infrastructure be improved, enhanced, and maintained. The Parks and Rehabilitation Projects are consistent with the General Plan and the various master plans that guide the maintenance and improvement of our parks, City buildings, sidewalks, stormwater pipes and pumps, lagoons, sewer pipes and pumps, and street trees.

This capital program's transportation projects help maintain a safe, efficient transportation system (e.g., streets, signals, striping), and expand opportunities for transit riders, pedestrians and bicyclists, which is consistent with the Transportation Element's four goals of circulation, livability, choice, and implementation.





**This capital budget is informed by the following plans, which either have been approved by the City Council or are working documents:**

- ADA Transition Plan Update: Facilities (2008)
- ADA Transition Plan Update: Right of Way (2008)
- Alameda [County] Community-Based Transportation Plan (2008)
- Alameda Point Master Infrastructure Plan (2014)
- Bicycle Master Plan Update (2010)
- Complete Streets Resolution and Policy (2013)
- Consent Decree and Final Order between U.S. Environmental Protection Agency and City (2014)
- Development Impact Fee Update (2014)
- Five Year Paving Plan (2017, updated annually)
- Local Action Plan for Climate Protection (2008)
- Local Hazard Mitigation Plan (2016)
- Long Term Transit Plan (2001)
- Master Street Tree Plan (2010)
- Pedestrian Plan (2009)
- Parks Improvement Assessment (2012)
- Prioritized Transportation Implementation List for Competitive Grants and Regional Funding (2013)
- Public Works Revenue Manual (2017)
- Sewer Rate Study (2016)
- Sewer System Management Plan (2014)



- Sewer Master Plan Final (2015) and its update (2018)
- Storm Drain Master Plan (2008, with Climate Change Impacts Addenda, 2009 and 2015)
- Storm Drain Pump Station Assessment (2011)
- Trash Long Term Reduction Plan (2014)
- Urban Greening Plan (2012)
- Zero Waste Implementation Plan Update (2018)

These plans are available at <http://alamedaca.gov/public-works/public-works-key-documents>

# FORECAST OF AVAILABLE FUNDS AND FIVE YEAR FINANCIAL PLAN

The first step in developing a capital budget is to determine available funds, which requires revenue and expense projections.

**\$54 million**

allocated various funding sources

**\$18 million**

remaining funds, excluding the Sewer Fund

The capital improvement program is funded almost exclusively with revenues from restricted funds. For example, the Sewer Fund (Fund 602) is restricted to maintenance and replacement of the City's sewers. Much of the available funding for the capital budget is, in fact, devoted to the Sewer Fund and its 20-year capital replacement plan.

Transportation funds include Measure B&BB, Gas Tax, and Vehicle Registration Fee (Funds 215, 211 and 288 respectively). Both Measure BB and Gas Tax are the result of voters' approval of tax increases dedicated to transportation infrastructure. Transportation projects also are supplemented by Development Impact Fees (Fund 340), which are paid for by new residential and commercial development. However, these fees are highly variable and have categorical restrictions (e.g., transportation and park improvements).

Alameda is in a unique current position with \$30+ million in grant funds for transportation projects. While a significant achievement, those grants typically require a local match. This budget includes \$2 million in local match. The grants are a very good

deal for Alamedans, given they yield a 4x investment in our transportation infrastructure. Nevertheless, the local match is real and requires tradeoffs for other priorities.

The Urban Runoff Fund (Fund 351) is Alameda's most troubled fund. Alamedans are assessed an urban runoff fee on their property tax bill that funds maintenance of the City's stormwater infrastructure and efforts to make runoff pollution-free before it enters the San Francisco Bay. This fund will go negative within this budget cycle unless Alamedans approve an increase to their stormwater fees.

The General Fund (Fund 001), though a small contributor to the overall capital budget historically, is one of the only funding sources that is not restricted and can support any public infrastructure expense. Alamedans approved a ½ cent sales tax measure in November 2018 that will increase annual contributions to the General Fund, which, in turn, will increase a significant increase in contributions to the capital budget from the General Fund. This budget proposes a nearly \$4 million increase in General Fund contributions to the capital budget than the last budget.

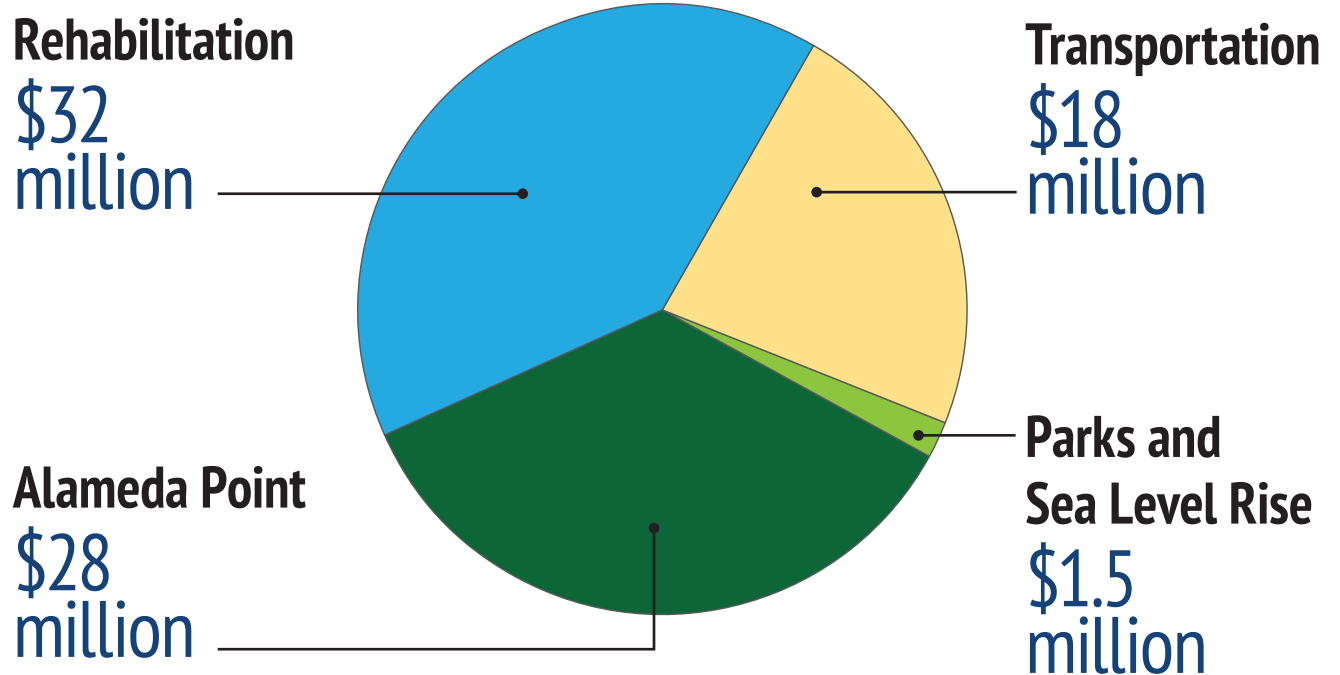
# PROJECT CATEGORIES

The capital improvement program has four project categories: rehabilitation, parks and sea level rise, transportation, and Alameda Point.

In the pages that follow, these categories are described and situated within long-term plans through Fiscal Year 2023/2024. With City Council’s approval of this capital budget, funds will be allocated only for the FY 2019-2021 projects. In development of the 2021-2023 capital program and budget, the listed projects will be reevaluated in terms of need, available resources, and compatibility with updated plans.



## 2019-2021 Capital Budget Project Categories





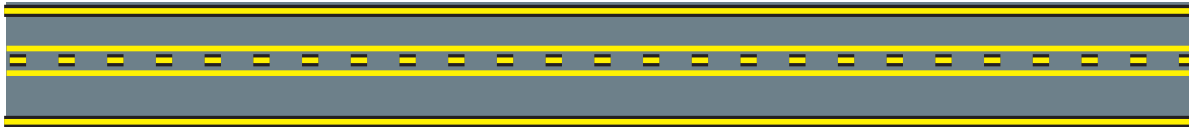
# CITYWIDE INVENTORY

These projects preserve, maintain, or renew existing infrastructure.

## TRANSPORTATION INVENTORY

Alameda's existing transportation infrastructure includes

**139 miles of pavement marking lines**  
(center lines, bike lanes, stop bars, cross walks)



**125 miles of publicly maintained streets**



**45 miles of bikeways**



**17.2 miles of painted curb**



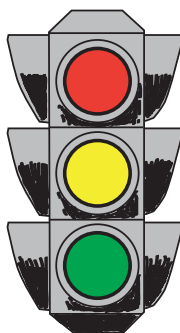
**6,403** pavement marking symbols

**357** medians

**2,918** curb ramps



**9,420** signs



**87** signalized intersections



**119** bike racks

The City's public infrastructure is roughly valued at \$1.2 billion. This budget invests \$40 million, or less than 3%, in "fixing it first", also known as maintenance.

# EVERYTHING ELSE

Here is an overview of the infrastructure not related to transportation:

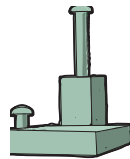
260 miles of sidewalks



141 miles of sewer



11 storm pump stations

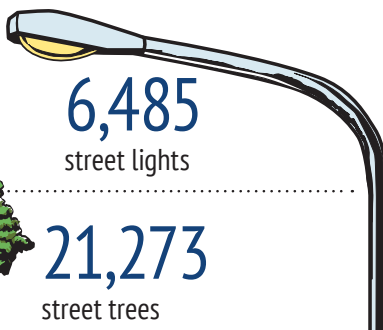


43 sewer pump stations

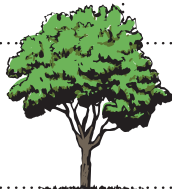
126 miles of storm drains



6,485 street lights



60 acres of landscaped medians and general grounds



21,273 street trees

24 parks

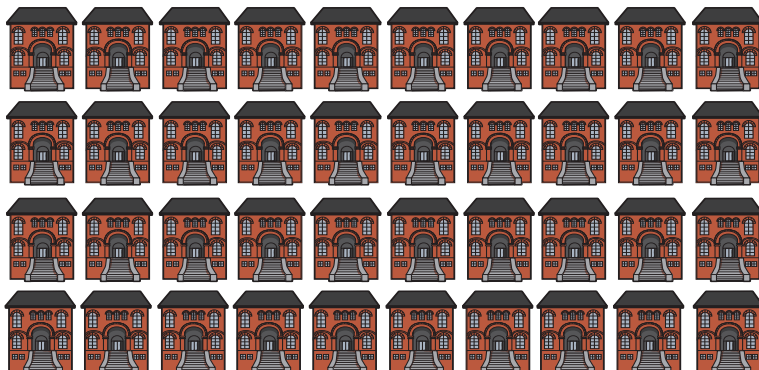


118 acres of parks

489 acres including the golf course



41 City-owned buildings



The following will be accomplished in this 2019-2021 capital budget:

7+ miles of streets and sidewalk repairs completed

6 miles of sanitary sewer pipe rehabilitated; and 6 pump stations rehabilitated

7,000+ street trees trimmed

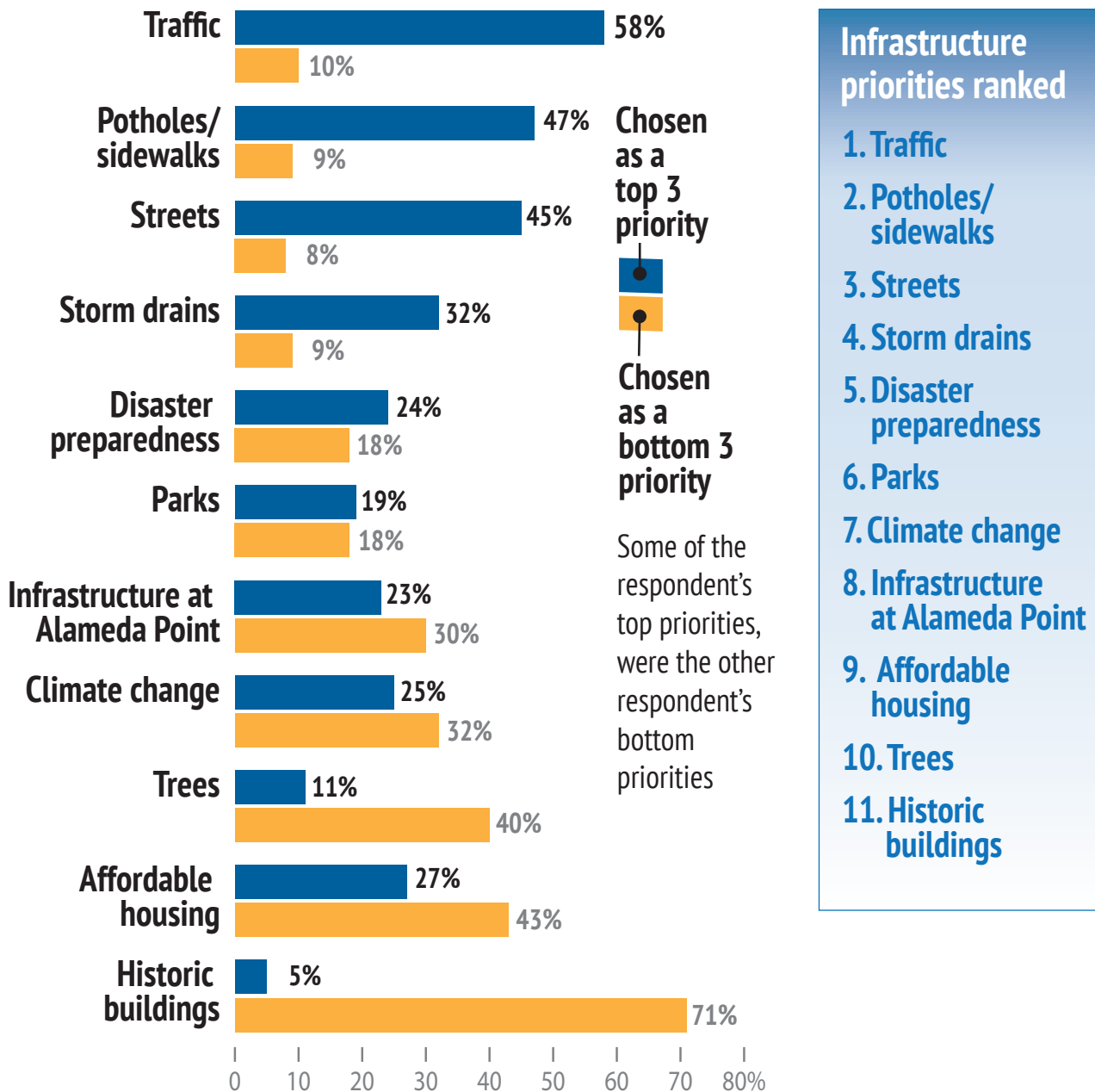
Making dozens of critical improvements to the City's facilities

Upgrading thousands of streetlights to LED and fixing failing conduit that is causing lights to fail.

# Citywide Infrastructure Needs

In the Winter of 2018/2019, Alameda held a community discussion about infrastructure needs. Nearly \$300+ million in total needs were identified, including at Alameda Point. Statistically significant community surveys showed that 70% of Alamedans were open to raising local funds for infrastructure repairs through an \$95 million infrastructure bond. An additional 3,686 community surveys collected at the time showed a wide range of priorities related to infrastructure, as shown below.

## SURVEY SHOWS WIDE RANGE OF INFRASTRUCTURE PRIORITIES

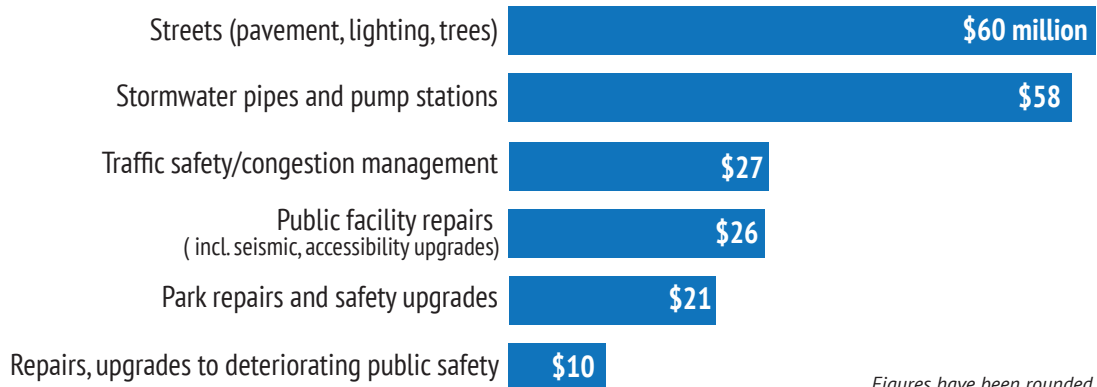




City Council decided to return to this issue of an infrastructure bond after the City adopted its Climate Action and Resiliency Plan (CARP), given that plan might include projects that would be eligible for funding through an infrastructure bond. The CARP is on target for City adoption in July or September 2019.

**For this CIP, the City updated its infrastructure needs.**

**Citywide Infrastructure needs = \$203 million**



*Figures have been rounded*

**Alameda Point’s \$597 million in infrastructure needs**

Alameda Point’s infrastructure needs include the following:



Alameda Point’s infrastructure needs are huge and only increase as construction costs escalate.

There is some good news, as the development of Site A and nearby building sales are pumping \$30 million to replace the aged infrastructure at Alameda Point.

ALAMEDA POINT Backbone infrastructure construction costs	
1 Demolition / site preparation	\$60,871,230
2 Environmental remediation	by others
3 Perimeter flood protection and roadway grading	\$77,836,080
4 Dewatering	\$2,615,080
5 Sanitary sewer	\$24,262,250
6 Storm drain	\$48,694,630
7 Potable water	\$10,880,830
8 Recycled water	\$3,963,280
9 Dry utilities	\$25,877,950
10 On-site street work	\$78,473,800
11 Transportation	\$47,415,980
12 Parks and open space	\$90,998,150
13 Public benefits	\$23,580,660
Soft costs	
14 Demolition/ site preparation	\$60,871,230
15 Environmental remediation	by others
16 Perimeter flood protection and roadway grading	\$77,836,080
17 Dewatering	\$2,615,080

**Total = \$596,810,000**

# REHABILITATION PROJECTS

Below is an overview of the various components of the public infrastructure and their current condition.

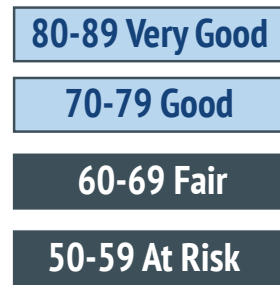
## Transportation

Alameda’s capital program aims to keep its pavement condition index in the good range, reduce the \$25 million backlog in street maintenance, and ensure our transportation system encourages transit use, bicycling, walking, and carpooling.

**This budget includes a paving program of more than 3.5 miles per year.** Alameda’s current pavement condition index is 71, compared to its neighbors: Berkeley (57), Oakland (55), and San Leandro (57). The City has the second fastest PCI increase of Alameda County cities. The City is able to continue this level of investment due to countywide Measure BB funds approved by voters in 2015, and the additional Gas Tax funds approved by voters statewide in 2017 (initial vote) and 2018 (referendum). However, this capital budget is not able to sustain the level of paving of the past several years, given the level of investment in one-time transportation projects.

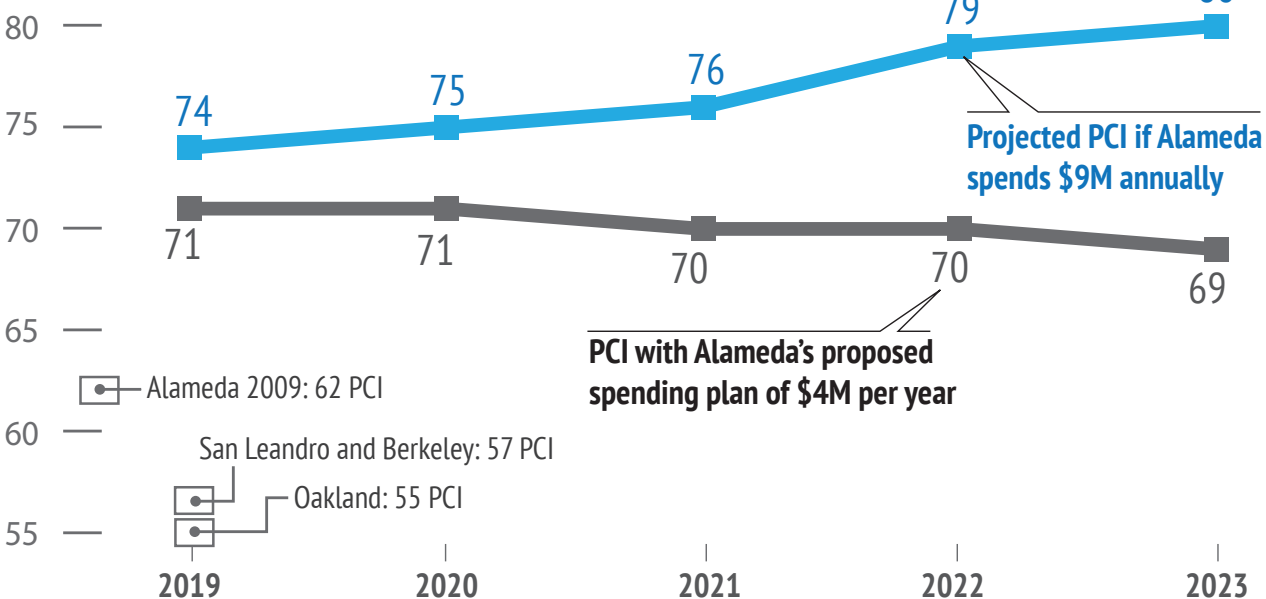
An aggressive paving program has multiple benefits for all street users. Better maintained streets are safer, with fewer potholes, updated striping, and often provide an opportunity for pedestrians and bicyclists improvements, as exemplified by 4+ miles of new bikeways and the new green bicycle boxes at Park Street and Blanding. In addition, preventative maintenance of streets is similar to regular oil changes for a vehicle. It is five to ten times cheaper to properly maintain streets than to completely rebuild them after they’ve failed.

**The Metropolitan Transportation Commission ranks pavement index on this scale:**



## City of Alameda: Pavement Condition Index (PCI)

PROJECTED 2019-2023



The precise locations of streets resurfaced or maintained is coordinated with the City's sewer plan. When possible, the City's goal is to resurface streets one to two years after that street's sewer main is replaced, and coordinating so that no other agency has plans to work in the street within the following five years. Through this coordination, Alameda will have higher quality streets in the long term. The City has developed and is making available its three year paving plan on Public Works' Key Documents webpage.

Even a simple repaving project requires intensive multi-agency coordination.



Whenever a street is repaved, City staff coordinate with Alameda Municipal Power, PG&E, EBMUD, telecoms, developers, and its own sewer master plan. This coordination is required to ensure that none of those agencies (or our own forces) will soon cut into that newly paved street to maintain those agencies' infrastructure underneath that street.

**Traffic signals are an important part of the transportation infrastructure.**

Public Works will focus on the coordination of our traffic signals, not the installation of new traffic signals. Better coordination will enable all users of the Alameda's transportation network to more efficiently and safely use the network. It also will reduce greenhouse gas emissions through more efficient travel and less idling.

These efforts will focus on Park, Webster, and other significantly traveled corridors in our City.

**Traffic calming measures slow vehicle traffic to make walking, bicycling, and driving safer and more convenient.**

Public Works, Alameda Police,

and the Transportation Planning Unit propose to evaluate locations for traffic calming and/or other safety measures. The locations are prioritized based on the intersection's history of reported collisions, police citations, pedestrian and bicycle safety consideration, complete street plans and policies, public input, and relationship with existing transportation plans and improvements.

**This list of streets for focus in the next two years is:**

- Park Street from Blanding to Otis Drive
- Lincoln from Webster to Park
- Buena Vista from Webster to Grand

**These are the top 3 corridors citywide where verifiable traffic safety incidents have occurred.**

This list will be reevaluated annually based on further analysis and suggestions from the public.

**Other transportation highlights:**

- Complete construction of the Cross Alameda Trail from Seaplane Lagoon to Jean Sweeney Open Space Park, and begin construction on Clement Avenue sections.
- Install new EV chargers in paid parking lots.
- Complete safety improvements on Otis Drive between Westline and Willow, and Main Street toward the ferry terminal.
- Resurface 7+ miles of streets, replace 10 traffic signal cabinets.
- Upgrade thousands of street lights to LED and repair failing conduit
- Expand bike network by 4+ miles.



## Sidewalks

**Alameda has a backlog of \$14 million worth of sidewalk repairs, spread throughout the City and on virtually every block.**

Repairs improve safety of this transportation mode and protect the City from liability. Repairs are funded from Measure B/BB. State law places responsibility for repairs on adjacent homeowners.

As a courtesy to its residents and similar to other East Bay cities, Alameda pays for and makes sidewalk repairs when the lift or failure is caused by the tree roots of a City-owned street tree.

In the next two years, Public Works will utilize a concrete “cutting” service that will enable the City to make many sidewalk repairs and create an up-to-date inventory of sidewalk lifts that can be prioritized for future repair.

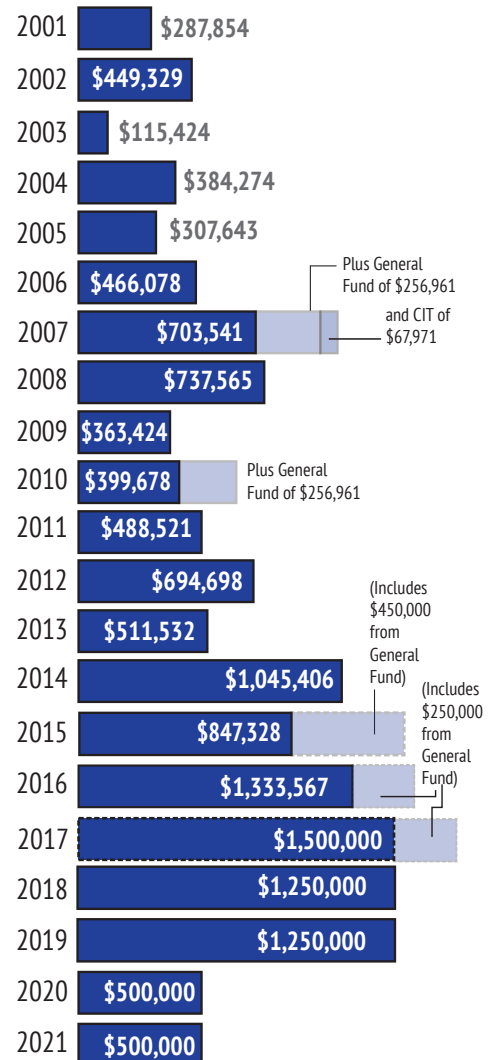
## Solution to sidewalk repairs

**The City has a backlog of 5,500 sidewalk repairs.**  
Every year, another 500 repairs are added to this list.

Sidewalk repairs in Alameda



## Sidewalk repair spending (2001-2021)

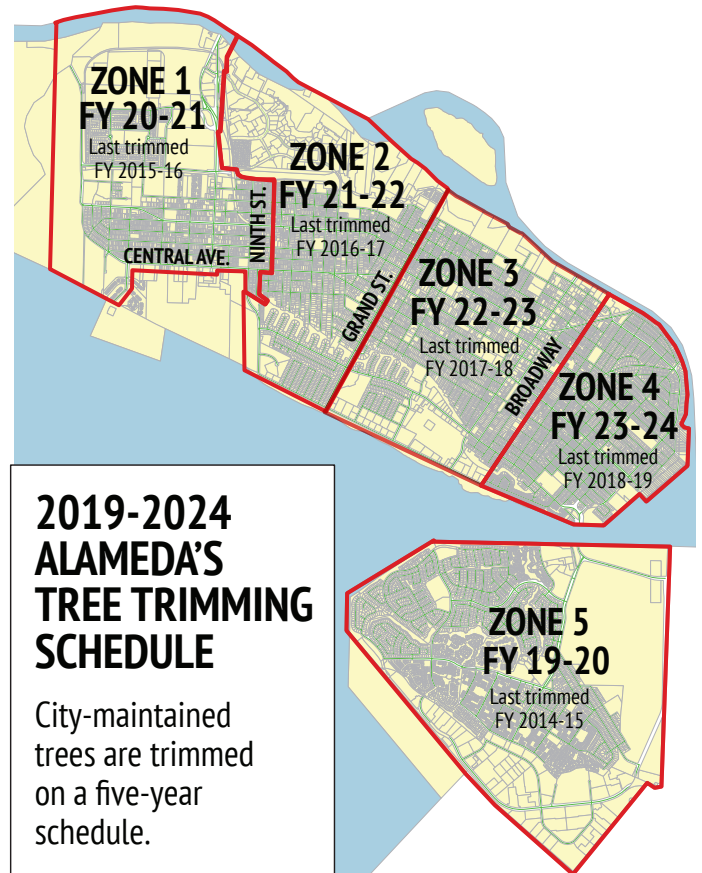


## Urban Forest

**The Master Street Tree Plan (2010) divides the city into five zones and recommends trimming one zone per year.** Zones have between 3,000 and 5,000 trees each. Trimming keeps the trees healthy, protects the public right of way, and decreases the conflict between trees, streets, and sidewalks.

In addition, this project includes maintenance of 60 acres of landscaped areas and medians in the public right of way. Due to funding constraints, it is becoming more difficult to keep to the five-year tree trimming schedule recommended by the 2010 Master Street Tree Plan.

An update to the Master Street Tree Plan (2010) will be performed in this budget cycle. The results of that update might change how the City maintains its urban forest or whether the current revenue sources are sufficient.

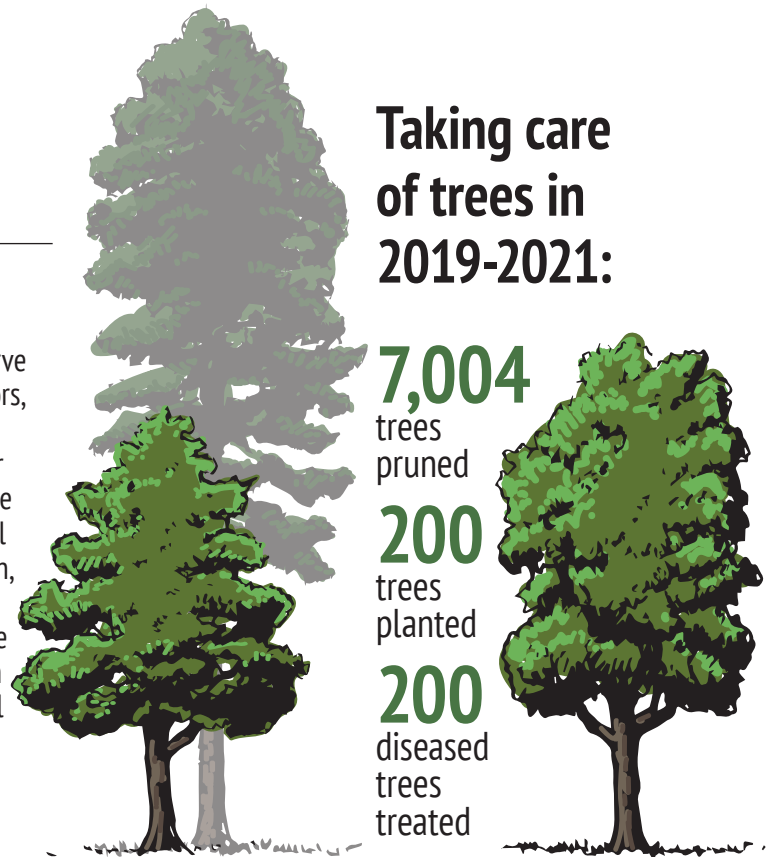


### Did you know?

Alameda's 21,273 street trees are hard at work. These trees removed 9,121 tons of pollutants and carbon dioxide from our air, help cool our Island during the summer, decrease our stormwater runoff by 220 million gallons per year, and increase the value of Alameda's property by

nearly \$63 million. Not only that, these trees serve as a home to many raptors, which is why we partner with the Alameda Raptor Society to ensure our tree maintenance is beneficial to the raptors. In addition, Alameda's (21.1%) tree canopy ratio – a measure of how vibrant our urban forest is – stacks up well against nearby cities like Oakland (24.8%), San Francisco (14%), and San Jose (15%).

### Taking care of trees in 2019-2021:





## Sewers and Pump Stations



As part of its obligations under a 23-year agreement with the United States Environmental Protection Agency, state and regional water boards, and others, Alameda will rehabilitate its sewer infrastructure according to a specific, detailed, and comprehensive plan.

From 2019-2021, six miles of deteriorated sewer main will be replaced and six sewer pump (or “lift”) stations will be improved.

**Over the longer term, the City will rehabilitate three miles of sewer mains per year**, including associated lower laterals and manholes, and renovate its 43 sanitary sewer pump stations. All of this work is proceeding according to a carefully crafted and prescribed plan.





## Storm Drains: Pipes and Pump Stations

**This budget allocates no new dollars to capital projects for the City's storm drain's pipes and pump stations.** This is because the stormwater fund is running a annual deficit and cannot even cover maintenance and operating costs, not to mention capital costs. Without additional revenue, this capital work will stop permanently and the City will have to balance the stormwater fund budget by eliminating, or severely reducing, the City's storm drain maintenance or street sweeping program. On July 16, 2019, the City Council will consider whether to initiate ballot proceedings that would enable Alamedans to vote on whether to increase their stormwater fees.



## Lagoons

Lagoons 3 and 5 at South Shore require dredging. Both were removed from the 2014 dredging project due to elevated levels of heavy metals. The eastern corner of Lagoon 3 frequently collects trash and debris, suffers from extremely poor circulation, and has 50 + years of sediment accumulation. The applications to dredge this area are underway and, with an infusion of General Funds, the dredging project may be complete by June 30, 2021.

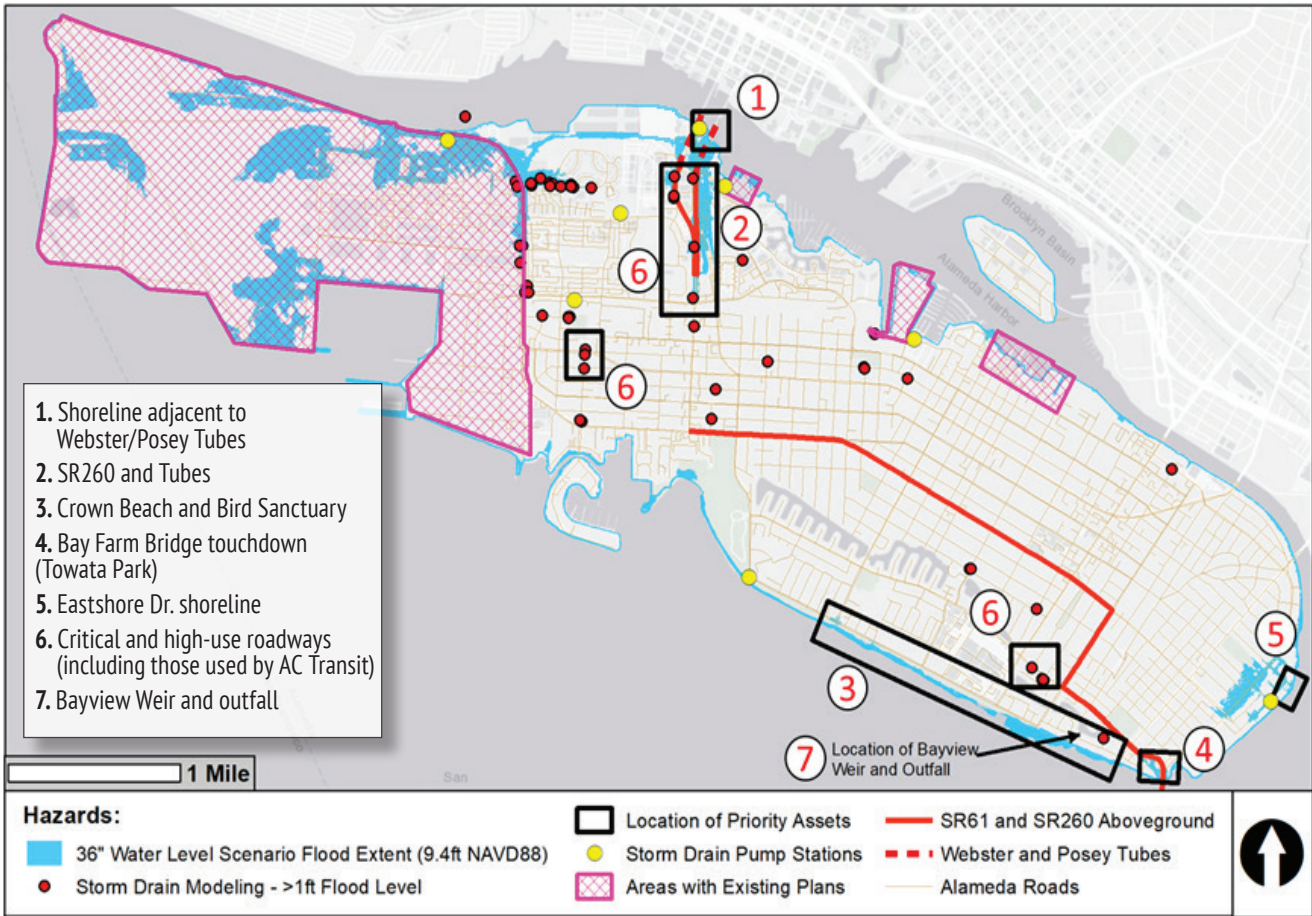


## DID YOU KNOW?

The lagoons on the island of Alameda are part of the stormwater system, providing detention of stormwater before it enters the San Francisco Bay. The north side of the lagoon - at one time the southern shoreline of Alameda - is lined with 100-year-old concrete seawalls that, where abutting a City street, are Public Works' responsibility to maintain. Without a successful raising of the stormwater fee, these lagoon walls will become another item added to the City's long list of deferred maintenance.



# Alameda's Priority Flooding and Sea Level Rise Locations



This Capital Budget focuses on improvements at Veterans Court that will help protect Bay Farm Island from immediate threat of a once-in-100 year storm and coming threats related to sea level rise and climate change. This and other priority locations will be addressed in subsequent capital improvement programs.

The just released draft Climate Action and Resiliency Plan, proposed for adoption by the City Council in July 2019, identified 12 high priority flooding locations.





## What do these capital projects have to do with Climate Change?

Adoption of the proposed CIP will advance many measures in Alameda's draft Climate Action and Resiliency Plan, including:

- funding projects like the Veterans Court improvement that provide Bay Farm Island immediate protection from a 100-year flood and long-term protection against sea level rise;
- expanding opportunities for biking and walking through complete street improvements at Central, Clement, and Tilden Avenues;
- extending the bike network by 4+ miles;
- maintaining our urban forest, which is critical to capturing and sequestering the carbon gases that cause global warming;
- converting the Main Library's lights and more streetlights to LED to reduce greenhouse gas emissions;
- expanding electric vehicle charging stations at public parking lots;
- electrifying the City's vehicles, building components, and gas-powered tools.

Future CIPs will include more, especially if an infrastructure bond is successful, but these are a start.



## Stormwater Green Infrastructure Planning

The City's Municipal Regional Stormwater Permit includes a new requirement for jurisdictions to prepare a Green Infrastructure (GI) Plan by September 30, 2019.

GI is essentially the inclusion of low-impact development storm drainage infrastructure design on public and private lands that reduce the adverse water quality impacts of urban runoff on the San Francisco Bay.

Examples include the use of landscapes, vegetation, and soils to slow, retain and filter runoff to promote improved water quality and flood protection.

The 2019 GI Plan will identify municipal policies, practices and procedures to implement and achieve prioritized GI acreage goals on both public and private lands, including streets, parking lots and building roofs, through 2040. The Plan is expected to serve as an implementation guide and tracking tool to assure that long term stormwater quality goals will be met. There are likely budget implications to this GI Plan and Public Works will incorporate those impacts in the cycle budget update proposed to City Council in June 2020.



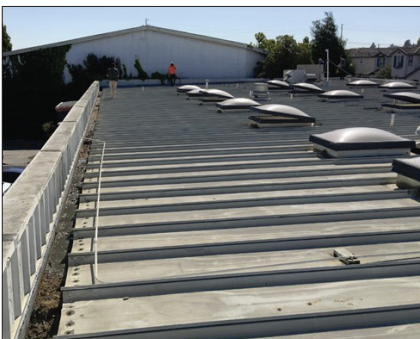


## City Buildings

**Alameda's buildings have roughly \$25+ million in needs that will grow if not addressed.**

This follows a detailed facilities condition assessment performed in 2015 of every building's deficiency, priority, cost and description. In the past three years, \$3+ million worth of facility repairs have been completed. Past budgets have only afforded about \$750,000 per year for these repairs unless a special General Funds investment was made. However, this proposed budget includes funding for a comprehensive 12-year facilities capital plan funded through increases to department's cost allocations for facilities.

### Animal Shelter Roof Before Roof After



## Did you know?

All of the City's main buildings are certified "green" and "water smart" for heightened efforts in recycling, stormwater, electrical, and water conservation.

Alameda is the first city in the county to gain this distinction. In part as a result of this work, the City won in 2016 its first regional environmental sustainability award from the American Public Works Association.





## Street Lights

**After Alameda's Utility Modernization Measure passed in November 2016, responsibility for maintenance of 6,485 street lights shifted from Alameda Municipal Power to Public Works.**

Years of underinvestment in this asset has resulted in \$13 million in deferred maintenance and replacement costs. The City's diverse mix of streetlights, some of which are historic and date back to the 1800's, complicate efforts to streamline and simplify the maintenance and repair process.



A focus for the 2019-21 budget cycle will be conversion to LED fixtures, replacement of poor and fair conditioned poles, and replacement of underground service conduit to ensure continuity of service. LED uses significantly less power than the existing high-pressure sodium lamps. As such, \$3 million in Energy Financing will be pursued with the California Energy Commission to accelerate the LED replacements, which requires an additional \$560,000 in upfront capital costs that are included in this proposed budget.

### **GHG, ENERGY EFFICIENCY, AND SAVINGS**

## **221 metric tons of carbon dioxide**

is the approximate GHG reduction from PW's LED street light retrofit.

## **\$214,207 savings per year**

Estimated energy savings from PW's street light project is 813,817 kWh/yr

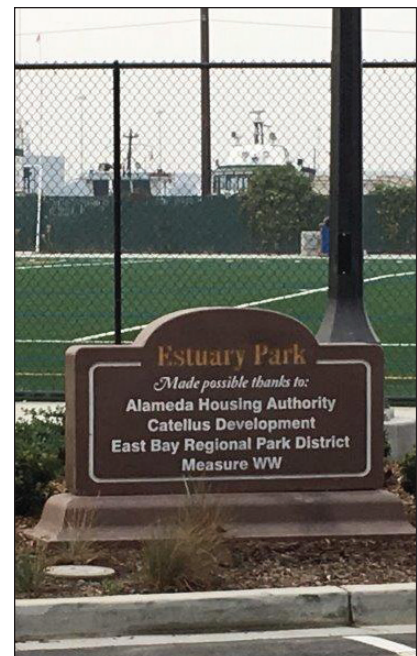


# PARK PROJECTS



**Alameda has completed an unprecedented amount of new parks construction.** In the past two years, the first phases of Jean Sweeney Open Space Park and Estuary Park were completed, putting the City on track to construct 35 acres of new parks from 2015 through 2025.

Given those ongoing projects and the staff and resources they require, the Recreation and Park Commission has approved prioritizing limited resources on revamping the Encinal Boat Ramp; replacing playgrounds at Tillman and Franklin Park; replacing wood chips and poured-in place surfacing at Woodstock Park; and initiating a new parks annual maintenance project focused on other capital replacements such as bleachers, irrigation systems, lighting, fields, and regrading.



## Did You Know?

**24** Number of parks in Alameda

**489** Total acres of parkland





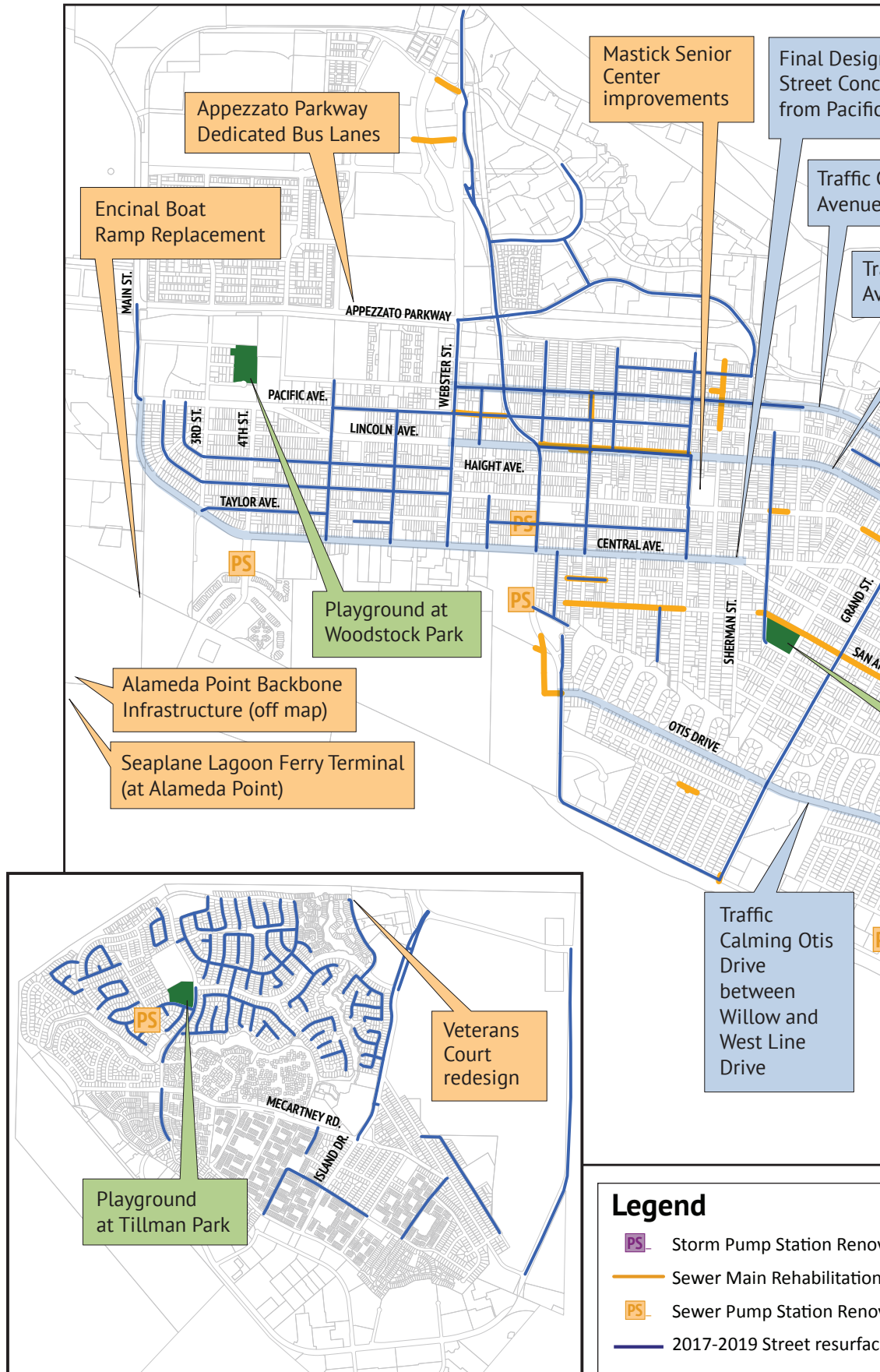


# LOCATIONS

The capital budget maintains the public infrastructure throughout the City. Locations are typically identified based upon that infrastructure’s master plan with minor modifications to address input from the City Council, staff, or the public.

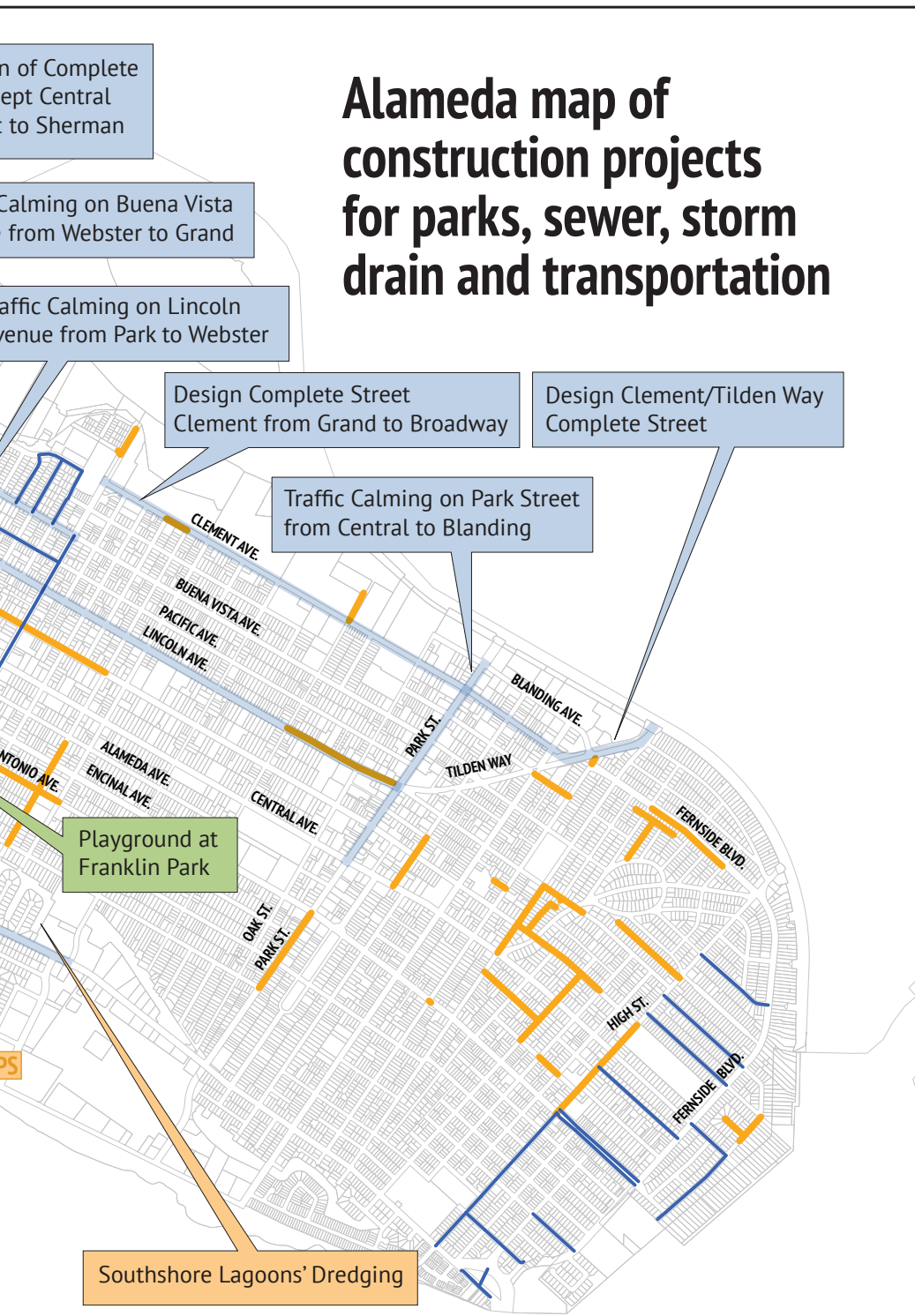
To the extent possible, the project sheets underlying this capital budget include tentative locations, i.e., the street in which the sewer will be replaced. These lists can change as either conditions change, coordination is needed with other utilities/ developers, or as more information is learned about the existing infrastructure.

**This map shows the specific locations of construction projects related to parks, sewer, storm drain, and transportation.**





## Alameda map of construction projects for parks, sewer, storm drain and transportation



## ENVIRONMENTAL BENEFITS

This proposed capital budget will produce significant environmental benefits. The sewer project minimizes the risk of sewer overflows into Alameda’s public areas and the San Francisco Bay. The stormwater project protects the City from flooding and removes trash, debris, and pollutants from the stormwater before entering the Bay. This budget’s transportation and park investments will help make Alameda a safer and more convenient place to bicycle, walk, or take transit, and help Alameda reduce its greenhouse gas emissions. Finally, planting, replacing, and maintaining street trees helps beautify Alameda and sequester harmful carbon emissions.

### DID YOU KNOW?

More than 90% of Alameda’s new tree plantings come from Ploughshares, a local nonprofit providing job training for low income and formerly homeless residents.





# 2019-21 CAPITAL BUDGET FUNDING SUMMARY

	Totals	General Fund	Const. Improve Tax	Gas Tax HUTA & RMRA	Measure B/BB LSR	Measure F, VRF	Parking Meter	Dev. Impact Fee	TIFF	Urban Runoff	Sewer	Facilities Maint.	Other Funds	Grant	Misc Sources
Fund Balances July 1st, 2019	\$112,983	\$	\$262	-\$98	-\$1,507	\$11	\$591	-\$122	\$2,238	-\$464	\$81,902	\$282	\$29,888	\$	\$
Revenue 2019-2021	\$91,168	\$5,433	\$1,278	\$6,719	\$8,036	\$667	\$2,927	\$1,948	\$1,238	\$5,118	\$47,102	\$3,581	\$915	\$4,417	\$1,790
Transfer to Operations	\$25,307			\$2,016	\$800		\$1,937		\$1,000	\$4,654	\$14,900				
<b>Est. Funds Available (FY 2017-2022)</b>	<b>\$178,844</b>	<b>\$5,433</b>	<b>\$1,540</b>	<b>\$4,606</b>	<b>\$5,728</b>	<b>\$678</b>	<b>\$1,580</b>	<b>\$1,826</b>	<b>\$2,476</b>	<b>\$</b>	<b>\$114,104</b>	<b>\$3,863</b>	<b>\$30,804</b>	<b>\$4,417</b>	<b>\$1,790</b>
<b>Rehabilitation</b>															
1 Urban Forest - Trees	\$3,149	\$500	\$1,350	\$1,150											\$149
2 Master Street Tree Plan Update	\$150	\$150													
3 Sewer Rehabilitation	\$17,804										\$17,804				
4 Sewer Pump Stations	\$2,865										\$2,865				
5 Storm Water Management	\$														
6 Storm Water Pump Stations	\$														
7 Lagoon Maintenance	\$500	\$400													\$100
8 Shoreline Maintenance	\$276														\$276
9 City Buildings - Public Works	\$1,279											\$1,279			
10 City Buildings - Public Safety	\$711											\$711			
11 City Buildings - ARPD	\$1,367											\$1,367			
12 Mastic Center Improvements	\$565	\$100										\$			\$465
13 Fire Station #1 Improvements	\$150	\$150													
14 New Aquatic Facility - Conceptual Design	\$150	\$150													
15 Parking	\$1,454						\$654								\$800
16 Street, Park and Parking Lot Lighting	\$1,460	\$1,460													
<b>Subtotals</b>	<b>\$31,880</b>	<b>\$2,910</b>	<b>\$1,350</b>	<b>\$1,150</b>	<b>\$</b>	<b>\$</b>	<b>\$654</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$20,669</b>	<b>\$3,357</b>	<b>\$</b>	<b>\$</b>	<b>\$1,790</b>
<b>Transportation - Recurring Projects</b>															
17 Sidewalks	\$1,000				\$1,000										
18 Pavement Management construction	\$6,430			\$3,318	\$1,200	\$640					\$636		\$636		
19 Signs, Pavement Markings, and Curb Painting	\$200				\$200										
20 Traffic Signals and Systems	\$1,700				\$1,200				\$500						
21 Traffic Calming	\$500			\$100				\$400							
<b>Transportation - One-Time Projects</b>															
22 Appezato Parkway Bus Lanes	\$1,350														\$1,350
23 Central Ave Safety Improvements	\$2,500	\$748			\$1,272										\$480
24 Otis Dr Traffic Calming and Safety Improv.	\$500	\$300			\$200										
25 Clement Ave CAT - Grand to Broadway	\$1,030				\$463										\$567
26 Clement Ave and Tilden Way Complete St	\$2,490							\$470							\$2,020
<b>Subtotals</b>	<b>\$17,700</b>	<b>\$1,048</b>	<b>\$</b>	<b>\$3,418</b>	<b>\$5,535</b>	<b>\$640</b>	<b>\$</b>	<b>\$870</b>	<b>\$500</b>	<b>\$</b>	<b>\$636</b>	<b>\$</b>	<b>\$636</b>	<b>\$4,417</b>	<b>\$</b>
<b>Parks, Sea Level Rise, Alameda Point</b>															
27 Park Maintenance Improvements	\$500	\$500													
28 Playground Replacements	\$325	\$325													
29 Sea Level Rise Adaptation - Veterans Court	\$650	\$650													
30 Alameda Pt, Adaptive Reuse Infrastructure	\$28,427												\$28,427		
<b>Subtotals</b>	<b>\$29,902</b>	<b>\$1,475</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$28,427</b>	<b>\$</b>	<b>\$</b>
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$79,482</b>	<b>\$5,433</b>	<b>\$1,350</b>	<b>\$4,568</b>	<b>\$5,535</b>	<b>\$640</b>	<b>\$654</b>	<b>\$870</b>	<b>\$500</b>	<b>\$</b>	<b>\$21,305</b>	<b>\$3,357</b>	<b>\$29,063</b>	<b>\$4,417</b>	<b>\$1,790</b>
Remaining Fund Balance	\$99,362	\$	\$190	\$38	\$193	\$38	\$926	\$956	\$1,976	\$	\$92,799	\$506	\$1,741	\$	\$

















# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

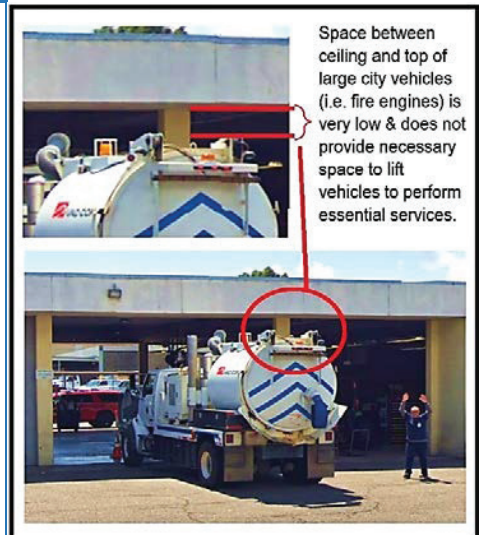
## CITY BUILDINGS - PUBLIC WORKS

**Lead Department:** Public Works **Project Type:** Rehabilitation  
**Project Summary:** Capital Replacement Projects for the City's buildings.  
**CIP No.:** 960091

**Project Description:**

The following projects are scheduled for Fiscal Year 2019-2021 on building and facilities used by Public Works:

- 1. Fleet Services (built 1984) \$1,279,000**  
 Design & construction services to structurally modify Fleet Services shop by raising the building ceiling elevation to provide the needed space for the repair and maintenance of city fire engines, fire trucks, and other large vehicles.



Project Funding		
Fund	FY 19-20	FY 20-21
Facilities Maint		\$1,279,000
<b>Total FY19-21</b>	<b>\$1,279,000</b>	

This is a recurring project

**Results from 2017-2019:**

The program completed the roof upgrade at the Veterans Building, O' Club, Fire Station 1, Longfellow Recreation Center; replaced the ceiling tiles at Maintenance Services Center, Franklin Park, Woodstock Park; completed the design upgrade and fortification of APD main entry area; and replaced Animal Shelter conference room kitchen cabinets, kennel service room cabinets and pantry, replaced animal bathtub.

**Fiscal Years 2021-2024:**

The City's 41 buildings have years of deferred maintenance. These facility investments start to cut into that deferred maintenance, but not by much. With a more significant investment, building conditions could improve and the City would save money on having to make fewer repairs.

**Responsible Staff Member:**



Abdulla Ahmed  
 CIP Manager  
 510-747-7939

email: aahmed@alamedaca.gov

# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

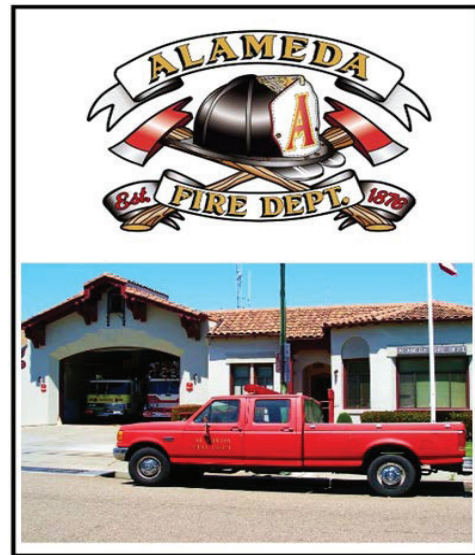
## CITY BUILDINGS - PUBLIC SAFETY

**Lead Department:** Public Works **Project Type:** Rehabilitation  
**Project Summary:** Capital Replacement Projects for the City's buildings.  
**CIP No.:** 960092

**Project Description:**

The following projects are scheduled for Fiscal Year 2019-2021 on building and facilities used by Alameda Police Department and Alameda Fire Department:

- 1. Fire Station 2 (Built 1921):** **\$711,000**  
 Replace existing concrete apron & parking lot with new structurally designed and reinforced concrete slab and drainage; Interior and exterior repainting.



Project Funding		
Fund	FY 19-20	FY 20-21
Facilities Maint		\$711,000
<b>Total FY19-21</b>	<b>\$711,000</b>	

This is a recurring project

**Results from 2017-2019:**

The program completed the roof upgrade at the Veterans Building, O' Club, Fire Station 1, Longfellow Recreation Center; replaced the ceiling tiles at Maintenance Services Center, Franklin Park, Woodstock Park; completed the design upgrade and fortification of APD main entry area; and replaced Animal Shelter conference room kitchen cabinets, kennel service room cabinets and pantry, replaced animal bathtub.

**Fiscal Years 2021-2024:**

The City's 41 buildings have years of deferred maintenance. These facility investments start to cut into that deferred maintenance, but not by much. With a more significant investment, building conditions could improve and the City would save money on having to make fewer repairs.

**Responsible Staff Member:**



Abdulla Ahmed  
 CIP Manager  
 510-747-7939

email: aahmed@alamedaca.gov





# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## MASTICK SENIOR CENTER IMPROVEMENTS

**Lead Department:** Parks and Recreation / PW      **Project Type:** Building  
**Project Summary:** Building rehabilitation and improvements at the Mastick Senior Center  
**CIP No.:** 96020

**Project Description:**

This project will fully replace the aging Heating, Ventilation and Air Conditioning (HVAC) system at Mastick Senior Center. The current system is not reliable and has reached the end of its useful life. In addition, the Mastick Senior Center Social Hall is now identified as both a cooling center and fresh air center for the Alameda community. To appropriately serve this function, the Social Hall HVAC unit needs to be upgraded with a HEPA filter. To do so requires additional roof engineering since the HEPA filter HVAC system is heavier than a standard system.

In addition, this project will fund smaller improvements at Mastick Senior Center that are not included under the Building Maintenance Fund. Planned projects include outdoor grounds improvements, lobby improvements and touch-up of the exterior paint.

This project is funded by a combination from the Mastick Senior Center Legacy Fund, which is generated from bequeathed donations, as well as the Public Works Building Maintenance Fund and the Non-Departmental Fund (one-time to fund the fresh air/cooling center). Additional revenue generated from the lease for the cell tower located in the Mastick Senior Center parking lot will be applied to this project. A portion of this biennial budget is from the Recreation Fund's fund balance since the unspent cell tower revenue rolled into that fund balance.



**Project Funding**

Fund	FY 19-20	FY 20-21
Mastick Senior Center Legacy Fund	\$250,000	
Non-Departmental Fund	\$100,000	
Capital Projects Fund Mastick Cell Tower Revenue	\$150,000	\$15,000
Rec Fund	\$35,000	

**Total FY19-21 \$565,000**

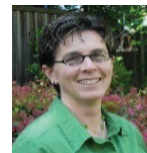
**Results from 2017-2019:**

This is a new project

**Fiscal Years 2021-2024:**

The HVAC system at Mastick Senior Center will not need further major improvement during this time. Potential future projects are not yet determined. The Mastick Senior Center Advisory Board approves the projects on an annual and biennial basis.

**Responsible Staff Member:**



Amy Wooldridge  
 Recreation and  
 Parks Director  
 510-747-7570

email: [awooldridge@alamedaca.gov](mailto:awooldridge@alamedaca.gov)





# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## STREET, PARK, AND PARKING LOT LIGHTING

**Lead Department:** Public Works **Project Type:** Rehabilitation

**Project Summary:** Maintain the City's street, park pathway, and parking lot lighting

**CIP No.:** 96008

### Project Description:

Responsibility for streetlighting transferred from Alameda Municipal Power to the Public Works department in 2017 with the final agreements allowing the transition occurring in 2019. Public Works is also responsible for park pathway and public parking lot lighting.

Years of underinvestment in this asset has resulted in deteriorated infrastructure and significant deferred maintenance and replacement costs. The City's diverse mix of streetlights, some of which are historic and date back to the 1800's, complicate efforts to streamline and simplify the maintenance and repair process.

A focus for the 2019-21 budget cycle will be conversion of the decorative luminaires to LED fixtures, replacement of poor and fair conditioned poles, and replacement of underground service conduit to ensure continuity of service.

LED uses significantly less power than the existing high-pressure sodium lamps. To encourage energy conservation, the California Energy Commission has a financing program to fund LED conversion projects where projected electrical savings are used to pay back the initial capital outlay. As such, 3 million dollars in Energy Financing will be pursued with the California Energy Commission. An additional \$560,000 in upfront capital is needed to fund and complete this project.

In addition, a master plan will be developed that details proper maintenance and capital replacement practices for the City's lights, cost estimates for this work, and a funding plan for years to come.



### Project Funding

Fund	FY 19-20	FY 20-21
General Fund	\$600,000	\$860,000

**Total FY19-21 \$1,460,000**

Notes: This is an ongoing project.

### Results from 2017-2019:

Completed an inventory of street, park pathway, and parking lot lights and integrated this into Public Works' GIS. Created a design guide and standardized on materials for new installations and replacement work. Conducted a pole and fixture condition assessment.

### Fiscal Years 2021-2024:

Future work and lighting replacements will be consist with the master plan. It is anticipated that additional funding may be necessary in future budget cycles to adequately maintain and repair the City's streetlights.

### Responsible Staff Member:



Erin Smith  
Deputy Public  
Works Director  
510-747-7938

email: [esmith@alamedaca.gov](mailto:esmith@alamedaca.gov)









# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## TRAFFIC SIGNALS AND SYSTEMS

**Lead Department:** Public Works **Project Type:** Rehabilitation  
**Project Summary:** This project supports the City's transportation infrastructure through capital replacement and upgrades to traffic signals and associated systems  
**CIP No.:** 96012

### Project Description:

The safety and efficiency of Alameda's transportation infrastructure depends on adequate intersection control, striping, traffic calming measures, and other systems.

Foremost of these systems are the 87 existing traffic signals and three additional traffic signals currently in design for construction on Bay Farm Island. Two new signals will be installed at each intersection of Harbor Bay Parkway and South Loop Road and one new signal at the Island / Mecartney intersection.

The project will also fund the systematic upgrade of up to 20 signal cabinets and controllers which have reached the end of their useful life or are at high-priority intersections. This work will increase system reliability and improve performance and functionality for vehicles, transit, bicycles, and pedestrians at these intersections.

This project also supports the ongoing data collection (radar, trend analysis, TCMP, etc.), liaising with the Alameda County Transportation Commission, Metropolitan Transportation Commission, Caltrans, AC Transit, City of Oakland and furthering the transit priority/smart corridor systems.



### Project Funding

Fund	FY 19-20	FY 20-21
Measure B - LSR	\$500,000	\$600,000
TIFF	\$500,000	

**Total FY19-21 \$1,600,000**

### Results from 2017-2019:

Completed design for three new signalized intersections, developed a traffic calming policy and selected priority corridors for upgrades.

Notes: This is an ongoing project.

### Fiscal Years 2021-2024:

The City has chronically underfunded the capital replacement and upgrades to this important component of the traffic infrastructure. Continued investment will be necessary to maintain reliability and improve performance

### Responsible Staff Member:



Trung Nguyen  
 Project Manager 1  
 510-747-7943

email: [tnguyen@alamedaca.gov](mailto:tnguyen@alamedaca.gov)





# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## APPEZZATO PARKWAY BUS LANES

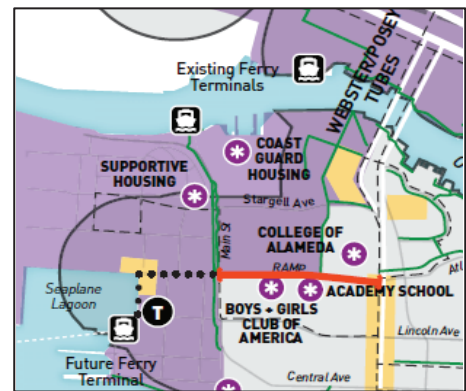
**Lead Department:** Transportation Planning      **Project Type:** Transportation  
**Project Summary:** The project includes dedicated bus lanes or bus queue jump lanes on Ralph Appezzato Memorial Parkway between Main Street and Webster Street  
**CIP No.:** 91813

### Project Description:

The project includes dedicated bus lanes or bus queue jump lanes, bus stops, signal modifications for transit priority on Ralph Appezzato Parkway between Main Street and Webster Street, which is 0.81 miles. The project will also include curb and gutter including median curb, sidewalk and curb ramp installations, signing/stripping, storm drain basins, landscaping/irrigation, lighting improvements and roadway/intersection modifications.

The project is consistent with the Transportation Element of the City's General Plan, which states: "It is important that with the upcoming build-out of Alameda Point and other large scale projects, the City work to reduce the impact of automobile trips on the quality of life for residents and on the easy, safe use of non-automotive transportation modes." Furthermore, the Transportation Element shows Appezzato Parkway as a street with exclusive transit right-of-way.

The Alameda Point dedicated bus lanes project is a named project in Measure BB for a total of \$9 million according to the Measure BB Transportation Expenditure Plan. Out of these monies, an estimated \$1,350,000 will be needed for outreach, environmental review and design with the remaining \$7,650,000 for construction.



Project Funding		
Fund	FY 19-20	FY 20-21
Measure BB		
Named Project	\$ 350,000	\$ 1,000,000
<b>Total FY19-21</b>	<b>\$1,350,000</b>	

Future Budget Cycles	
Measure BB	
Named Project	\$7,650,000
<b>Total Project</b>	<b>\$9,000,000</b>

### Results from 2017-2019:

- Bus service accomplishments are as follows:
- Webster St. bus queue with over one minute travel time savings.
  - AC Transit Line 19 peak-period frequencies to 20 minutes.
  - Realigned Line 96 to better serve Alameda Point and the West End.
  - AC Transit EasyPasses to Mulberry, Island HS and Alameda Pt employees.

### Fiscal Years 2021-2024:

Staff is working with AC Transit and the Alameda Point businesses on improved Alameda Point bus service between the ferry terminals and downtown Oakland/BART, which will use the Appezzato Parkway dedicated bus lanes, and a cross Alameda service between Alameda Point and the east end of Alameda.

### Responsible Staff Member:



Gail Payne  
 Senior Transportation  
 Coordinator  
 510-747-6892

email: gpayne@alamedaca.gov

# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## CENTRAL AVENUE SAFETY IMPROVEMENTS

**Lead Department:** Transportation Planning      **Project Type:** Transportation  
**Project Summary:** Construct safety improvements on Central Avenue from Main Street to Sherman  
**CIP No.:** 91815

**Project Description:**

The Central Avenue project, which totals 1.7 miles, is between Main Street/Pacific Avenue and Sherman Street/Encinal Avenue. It improves safety for all street users including people who walk, bicycle, take the bus or drive. The project reduces lanes from four to three, and includes a center lane, a two-way separated bikeway adjacent to schools and bike lanes in the Gold Coast area between Eighth Street and Sherman Street, two traffic signals, curb extensions, pedestrian refuge islands, rectangular rapid fire beacons, new crosswalks, enhanced bus stops, street trees and rain gardens. The work also includes realignment of Central Avenue to the Main Street/Pacific Avenue intersection.

By the end of the two-year CIP cycle, complete outreach, environmental review, permits and design for the Central Avenue safety improvement project, which includes finalizing an approved alternative for the Webster Street/Central Avenue intersection.

The total expenditure for the Caltrans required project initiation document effort is not to exceed \$557,000. The subsequent analysis for the Webster Street/Central Avenue intersection, environmental review and design is budgeted for \$2,000,000. Construction is expected to total \$12.2 million. Total project costs: \$14,757,000.



**Results from 2017-2019:**

In 2018, the City Council approved consultant funding for a Project Initiation Document (PID), which is required for this project since it is located on a state highway.

**Fiscal Years 2021-2024:**

Construction is expected to begin in mid-2021. Funding in 2021-23 will consist of \$10,800,000 in federal and state ATP, CMAQ, and STP grants. A local match of \$1,400,000 will be required for the grant funding.

Project Funding		
Previously Approved		
DIF Transp.		\$150,000
Measure B - LSR		\$407,000
<b>Subtotal</b>		<b>\$557,000</b>
Current Budget		
Fund	FY 19-20	FY 20-21
General Fund	\$ 748,000	
Measure B	\$ 272,000	
Measure B - LSR	\$ 100,000	
Measure BB - LSR	\$ 300,000	\$ 600,000
ATP Grant	\$ 180,000	\$ 300,000
<b>Total FY19-21</b>	<b>\$</b>	<b>2,500,000</b>
Future Budget Cycles		
ATP/CMAQ/STP Grants		\$10,800,000
Local Match		\$1,400,000
<b>Total Project</b>		<b>\$15,257,000</b>

**Responsible Staff Member:**



Gail Payne  
 Senior Transportation  
 Coordinator  
 510-747-6892

email: [gpayne@alamedaca.gov](mailto:gpayne@alamedaca.gov)





# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## CLEMENT AVENUE SAFETY IMPROVEMENTS

**Lead Department:** Transportation Planning      **Project Type:** Transportation  
**Project Summary:** Planning, outreach, design, and construction of Clement Avenue between Grand Street and Broadway  
**CIP No.:** 91819

### Project Description:

The project creates a complete street and constructs a major portion of the Cross Alameda Trail while ensuring that this designated truck route is in a state of good repair. Clement Avenue is the main thoroughfare in the Northern Waterfront Priority Development Area and is a gateway to Oakland and beyond. This Clement Avenue project runs between Broadway and Grand Street, which is 1.2 miles in length, and includes a bikeway, curb extensions, rectangular rapid flashing beacons, bus shelters, sidewalk/curb ramp improvements, potential railroad track removal and street trees.

Excessive speeds, challenging crossings for pedestrians and a lack of bicycle facilities cause safety concerns along this segment of Clement Avenue. Work on this project includes planning, outreach, concept approval, environmental review, permits and design for the Clement Avenue safety improvement project, which is between Grand Street and Broadway.

The planning, outreach, concept approval and preliminary engineering was funded in the 17-19 Capital Budget at \$641,000. The final design is funded in the 19-21 Capital Budget at \$1,030,000 with a future construction budget is \$4,500,000. Total project cost is \$6,171,600.



Project Funding		
<i>Previously Approved</i>		
DIF Transp.		\$74,000
Federal Grant		\$567,000
<b>Subtotal</b>		<b>\$641,000</b>
<i>Current Budget</i>		
Fund	FY 19-20	FY 20-21
Federal Grant	\$ 124,000	\$ 443,000
Measure B LSR		\$ 463,000
<b>Total FY19-21</b>	<b>\$</b>	<b>1,030,000</b>
<i>Future Budget Cycles</i>		
ACTC Grant		\$4,500,000
<b>Total Project</b>		<b>\$6,171,000</b>

### Results from 2017-2019:

In December 2018, the City Council approved a consultant contract for planning, outreach and preliminary design services. Initial planning and direction from efforts completed in 2015 will be incorporated into the project.

### Fiscal Years 2021-2024:

The project is anticipated to begin construction in 2020 or 2021 using funding sources approved in the 19-21 Capital Budget.

### Responsible Staff Member:



Gail Payne  
 Senior Transportation  
 Coordinator  
 510-747-6892  
 email: gpayne@alamedaca.gov

# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## CLEMENT AVENUE AND TILDEN WAY COMPLETE STREETS

**Lead Department:** Transportation Planning      **Project Type:** Transportation Improvement  
**Project Summary:** Extend Clement Avenue to Tilden Way and complete bicycling and walking facilities  
**CIP No.:** 91820      extending to the Miller-Sweeney bridge

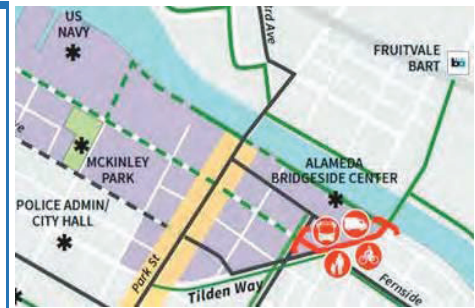
### Project Description:

This gateway project in the Northern Waterfront Priority Development Area (PDA) and in the northeastern corner of Alameda includes:

- 1) Acquisition of Union Pacific property along Tilden Way from Broadway to the Miller-Sweeney Bridge.
- 2) Completion of planning, community outreach, environmental review, permits, and design plans and specifications for the project.
- 3) Extension of Clement Avenue to Tilden Way, as a complete street, and construction of off-street bicycling and walking facilities on the former Union Pacific property which will be the eastern terminus of the proposed Cross Alameda Trail. The project will also include improvements to the truck and bus routes, resulting in enhanced multimodal on/off island access. In the future, the project will connect to a new or retrofitted Miller-Sweeney Lifeline Bridge.

By mid-2021, staff will complete the acquisition, planning, and final design of the project. The construction phase of the project is scheduled to start in 2021. Additional funding will be required in the 2021-23 Capital Budget.

The 2017-19 Capital Budget appropriated \$2,282,000 in funding for this project, and City Council allocated an additional \$445,000 in 2018. An additional \$470,000 in funding is required in the 2019-21 Capital Budget to cover the eminent domain proceedings and anticipated final purchase amount of the Union Pacific property.



Project Funding		
<b>Previously Approved</b>		
DIF Transp.		\$262,000
Measure BB Grant		\$2,019,000
Construction Tax		\$222,500
Gas Tax (HUTA)		\$222,500
<b>Subtotal</b>		<b>\$2,726,000</b>
<b>Current Budget</b>		
Fund	FY 19-20	FY 20-21
DIF Transportation	\$ 470,000	\$ -
Meas BB Grant	\$ 488,000	\$ 1,532,000
<b>Total FY19-21</b>	<b>\$</b>	<b>2,490,000</b>
<b>Future Budget Cycles</b>		
Measure B Grant		\$6,400,000
Local Match		\$826,000
<b>Total Project</b>		<b>\$12,442,000</b>

### Results from 2017-2019:

The City initiated eminent domain to acquire the Tilden Way parcels from Union Pacific and took possession of the property in January 2019. Phase I and Phase II Environmental Site Assessments were completed, along with an assessment of the soil remediation alternatives.

### Fiscal Years 2021-2024:

The City will begin project construction in 2021. Funding in 2021-23 will consist of a \$6.4 million Measure BB grant awarded by the Alameda County Transportation Commission and \$826,000 in local match funding for the construction phase. The project is expected to be complete by 2023.

### Responsible Staff Member:



Rochelle Wheeler  
 Senior Transportation  
 Coordinator  
 510-747-7945  
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# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## PARK MAINTENANCE IMPROVEMENTS

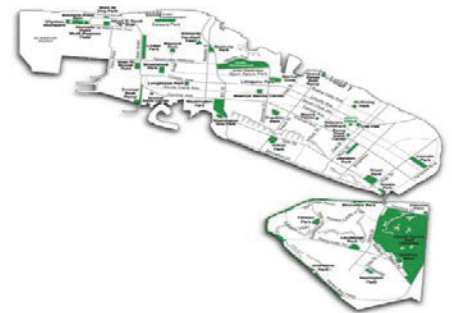
**Lead Department:** Recreation and Parks      **Project Type:** Rehabilitation  
**Project Summary:** Capital maintenance and improvement projects to ensure safe play areas, athletic facilities, and amenities for all parks  
**CIP No.:** 96014

**Project Description:**

The City of Alameda has 24 parks which serve residents and visitors throughout the City and see millions of visits per year. Measure F, passed in 2018, increased the local sales tax increase by 0.5% to maintain Alameda’s fiscal stability and protect services and infrastructure such as the City’s neighborhood parks.

This project provides much needed capital investment and will address significant deferred maintenance and provide safe, accessible and high quality Alameda parks. Types of projects include:

- 1) Bleacher replacements
- 2) Upgrade of irrigation systems and controllers
- 3) Retrofit of tennis court lights to LED with new timers
- 4) Basketball court resurfacing and standard replacements
- 5) Infield dirt refurbishment
- 6) Regrade poor drainage areas
- 7) Install a park maintenance building at Sweeney Park



Project Funding		
Fund	FY 19-20	FY 20-21
General Fund	\$175,000	\$250,000
<b>Total FY19-21</b>	<b>\$425,000</b>	

Notes: This is an ongoing project.

**Results from 2017-2019:**

This is new rehabilitation project category for FY 2019-2021

**Fiscal Years 2021-2024:**

Future park maintenance improvement projects may include adding and replacing athletic field and tennis court lighting, a small dog park on Bay Farm Island.

**Responsible Staff Member:**



Amy Wooldridge  
 Recreation and  
 Parks Director  
 510-747-79

email: [awooldridge@alamedaca.gov](mailto:awooldridge@alamedaca.gov)



# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## PLAYGROUND REPLACEMENT

**Lead Department:** Public Works      **Project Type:** Rehabilitation  
**Project Summary:** Annual playground replacement for all parks  
**CIP No.:** 96015

### Project Description:

The City of Alameda has 24 parks which serve residents and visitors throughout the City and see millions of visits per year. Measure F, passed in 2018, increased the local sales tax increase by 0.5% to maintain Alameda’s fiscal stability and protect services and infrastructure such as the City’s neighborhood parks.

This project replaces one park playground each year with the oldest playgrounds to be replaced first. The design for each playground is unique and the local neighborhood community is involved with the design and layout. The playground safety surfaces will be changed from the existing wood fiber to poured-in-place rubber surfacing whenever financially feasible. This project improves playground safety and accessibility.

The following playgrounds are prioritized for replacement during the 2019-2021 Capital Budget cycle: Jackson Park, Franklin Park Playground, Tillman Park Playground, and Woodstock Park – replacing wood chips with poured-in-place surfacing.

Each playground is designed with community input during the Fall/Winter and are constructed by summer of the following year.



### Project Funding

Fund	FY 19-20	FY 20-21
General Fund	\$75,000	\$250,000

**Total FY19-21      \$325,000**

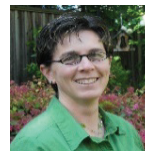
### Results from 2017-2019:

Littlejohn Park and Bayport Park playgrounds were replaced in FY 2017 – 19.

### Fiscal Years 2021-2024:

This is an ongoing project. Future park playground annual replacements are planned to include Krusi, Leydecker, McKinley, Washington and Lincoln Park.

### Responsible Staff Member:



Amy Wooldridge  
 Recreation and  
 Parks Director  
 510-747-79

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# 2019-2021 CAPITAL BUDGET PROJECT DESCRIPTION

## SEA LEVEL RISE ADAPTATION - VETERANS COURT

**Lead Department:** Public Works      **Project Type:** Sea Level Rise Adaptation  
**Project Summary:** Develop and implement adaptation strategies for Sea Level Rise; the first project will  
**CIP No.:** 96023      develop a solution for the existing aged seawall at Veteran's Court.

**Project Description:**

**Project Description:**

Sea Level Rise will become a reality for Alameda residents in the coming years. The project will develop and implement adaptation strategies. The first proposed project will address the aged seawall at Veteran's Court.

In December 2018 FEMA issued revised flood maps that include Veteran's Court within the Special Flood Hazard Area and the top of the existing seawall is at a lower elevation than the 100 year flood. The seawall is one of the more vulnerable points of entry of potential coastal flooding. Downstream properties are lower in elevation than the seawall and would be subject to potentially catastrophic flooding.

This project focuses on prevention of Bay water from entering Veteran's Court due to overtopping of the existing seawall or the failure of the seawall. Work planned includes a long-term solution (such as a road hump) within Veteran's Court that will serve multiple functions: it will act as a barrier to coastal flooding in the event the wall fails, it will be built higher than the 1% annual chance flood and thereby remove one of the coastal flood entry points, and it will be constructed high enough to account for a moderate sea level rise scenario. The preliminary cost estimate to construct an enhanced barrier at Veteran's Court is \$1,800,000. Although not fully funded, the available funds represent a commitment to begin addressing this forthcoming challenge to the City



Project Funding		
Fund	FY 19-20	FY 20-21
General Fund		\$650,000
<b>Total FY19-21</b>	<b>\$650,000</b>	

Notes: This is a one-time project

**Results from 2017-2019:**

n/a

**Fiscal Years 2021-2024:**

This project is the first significant investment to protect Alameda from the current 100-year flood risk and anticipated sea level rise. Significant future investment will be necessary at other locations throughout the Alameda coastline to prepare for projected sea level rise.

**Responsible Staff Member:**



Andrew Nowacki  
Associate Engineer  
510-747-7941

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# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	CIP Number	Totals					General Fund				
		2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
<b>BEGINNING FUND BALANCES<sup>1</sup></b>		\$112,379	\$93,191	\$99,305	\$106,718	\$113,972					
Revenue		\$46,945	\$44,495	\$54,913	\$47,479	\$40,051	\$2,948	\$2,410	\$1,050	\$1,050	\$1,050
Transfer to Operations		\$12,242	\$13,065	\$13,425	\$13,787	\$14,051					
<b>Available Funds</b>		<b>\$147,081</b>	<b>\$124,622</b>	<b>\$140,794</b>	<b>\$140,410</b>	<b>\$139,971</b>	<b>\$2,948</b>	<b>\$2,410</b>	<b>\$1,050</b>	<b>\$1,050</b>	<b>\$1,050</b>
<b>Rehabilitation</b>											
Urban Forest - Trees	96002	\$1,577	\$1,572	\$1,422	\$1,422	\$1,422	\$250	\$250	\$250	\$250	\$250
Master Street Tree Plan Update	96024	\$	\$150	\$	\$	\$		\$150			
Sewer Rehabilitation	96003	\$8,844	\$8,960	\$8,960	\$8,960	\$8,960					
Sewer Pump Stations	96004	\$2,865	\$	\$	\$	\$					
Storm Water Management	96005	\$	\$	\$	\$	\$					
Storm Water Pump Stations	96006	\$	\$	\$	\$	\$					
Lagoon Maintenance	96007	\$450	\$50	\$250	\$250	\$250	\$400				
Shoreline Maintenance	96017	\$138	\$138	\$138	\$138	\$138					
City Buildings - Public Works	960091	\$	\$1,279	\$	\$	\$					
City Buildings - Public Safety	960092	\$	\$711	\$	\$	\$					
City Buildings - ARPD Facilities	960093	\$1,367	\$	\$	\$	\$					
Mastic Center Improvements	96020	\$550	\$15	\$	\$	\$	\$100				
Fire Station #1 Improvements	96021	\$150	\$	\$	\$	\$	\$150				
New Aquatic Facility - Conceptual Planning	96022	\$150	\$	\$	\$	\$	\$150				
Parking	96016	\$727	\$727	\$727	\$727	\$727					
Street, Park and Parking Lot Lighting	96008	\$600	\$860	\$300	\$300	\$300	\$600	\$860	\$300	\$300	\$300
<b>Subtotal</b>		<b>\$17,418</b>	<b>\$14,462</b>	<b>\$11,797</b>	<b>\$11,797</b>	<b>\$11,797</b>	<b>\$1,650</b>	<b>\$1,260</b>	<b>\$550</b>	<b>\$550</b>	<b>\$550</b>
<b>Transportation - Recurring Projects</b>											
Sidewalks	96001	\$400	\$600	\$600	\$600	\$600					
Pavement Management	96010	\$2,613	\$3,717	\$3,979	\$3,991	\$4,003					
Signs, Pavement Markings, and Curb Painting	96011	\$	\$200	\$200	\$200	\$200					
Traffic Signals and Systems	96012	\$1,000	\$600	\$750	\$750	\$750					
Traffic Calming	96013	\$250	\$250	\$250	\$250	\$250					
<b>Transportation - One-Time Projects</b>											
Appezato Parkway Bus Lanes	91813	\$350	\$1,000	\$	\$7,650	\$					
Central Ave Safety Improvements	91815	\$1,600	\$900	\$11,500	\$700	\$	\$748				
Otis Dr Traffic Calming and Safety Improv.	91818	\$500	\$	\$	\$	\$	\$300				
Clement Ave CAT - Grand to Broadway	91819	\$124	\$906	\$4,500	\$	\$					
Clement Ave and Tilden Way Complete St	91820	\$958	\$1,532	\$	\$	\$7,226					
<b>Subtotal</b>		<b>\$7,795</b>	<b>\$9,705</b>	<b>\$21,779</b>	<b>\$14,141</b>	<b>\$13,029</b>	<b>\$1,048</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
<b>Parks, Sea Level Rise, Alameda Point</b>											
Park Maintenance Improvements	96014	\$175	\$250	\$250	\$250	\$250	\$175	\$250	\$250	\$250	\$250
Playground Replacements	96015	\$75	\$250	\$	\$	\$	\$75	\$250	\$250	\$250	\$250
Sea Level Rise Adaptation - Veterans Court	96023	\$	\$650	\$	\$	\$		\$650			
Alameda Point, Adaptive Reuse Infrastructure	91890311	\$28,427	\$	\$	\$	\$					
<b>Subtotal</b>		<b>\$28,677</b>	<b>\$1,150</b>	<b>\$250</b>	<b>\$250</b>	<b>\$250</b>	<b>\$250</b>	<b>\$1,150</b>	<b>\$500</b>	<b>\$500</b>	<b>\$500</b>
<b>TOTAL CAPITAL EXPENDITURES</b>		<b>\$53,890</b>	<b>\$25,317</b>	<b>\$33,826</b>	<b>\$26,188</b>	<b>\$25,076</b>	<b>\$2,948</b>	<b>\$2,410</b>	<b>\$1,050</b>	<b>\$1,050</b>	<b>\$1,050</b>
Remaining Fund Balance		\$93,191	\$99,305	\$106,968	\$114,222	\$114,895	\$	\$	\$	\$	\$

1 Approximately \$81 million of the \$112 million 2019 Beginning Fund Balance is in the Sewer Fund which is restricted to sewer improvements identified in the 20-year sewer master planning document.

# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	164 Construction Improvement Tax					211 Gas Tax HUTA					211.1 Gas Tax RMRA (SB-1)				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
<b>BEGINNING FUND BALANCES<sup>1</sup></b>	\$262	\$33	\$40	\$26	\$53	\$455	\$6	\$38	\$39	\$8	\$357	\$	\$	\$	\$1
<b>Revenue</b>	\$621	\$657	\$686	\$727	\$771	\$2,054	\$2,054	\$2,054	\$2,054	\$2,054	\$1,305	\$1,305	\$1,305	\$1,305	\$1,305
<b>Transfer to Operations</b>						\$993	\$1,023	\$1,053	\$1,085	\$1,118					
<b>Available Funds</b>	\$883	\$690	\$726	\$753	\$824	\$606	\$1,038	\$1,039	\$1,008	\$944	\$1,663	\$1,305	\$1,305	\$1,306	\$1,306
<b>Rehabilitation</b>															
Urban Forest - Trees	\$700	\$650	\$500	\$500	\$500	\$550	\$600	\$600	\$600	\$600					
Master Street Tree Plan Update															
Sewer Rehabilitation															
Sewer Pump Stations															
Storm Water Management															
Storm Water Pump Stations															
Lagoon Maintenance			\$200	\$200	\$200										
Shoreline Maintenance															
City Buildings - Public Works															
City Buildings - Public Safety															
City Buildings - ARPD Facilities															
Mastic Center Improvements															
Fire Station #1 Improvements															
New Aquatic Facility - Conceptual Planning															
Parking															
Street, Park and Parking Lot Lighting															
<b>Subtotal</b>	\$700	\$650	\$700	\$700	\$700	\$550	\$600	\$600	\$600	\$600	\$	\$	\$	\$	\$
<b>Transportation - Recurring Projects</b>															
Sidewalks	\$150														
Pavement Management							\$350	\$350	\$350	\$350	\$1,663	\$1,305	\$1,305	\$1,305	\$1,305
Signs, Pavement Markings, and Curb Painting															
Traffic Signals and Systems															
Traffic Calming						\$50	\$50	\$50	\$50	\$50					
<b>Transportation - One-Time Projects</b>															
Appezato Parkway Bus Lanes															
Central Ave Safety Improvements															
Otis Dr Traffic Calming and Safety Improv.															
Clement Ave CAT - Grand to Broadway															
Clement Ave and Tilden Way Complete St															
<b>Subtotal</b>	\$150	\$	\$	\$	\$	\$50	\$400	\$400	\$400	\$400	\$1,663	\$1,305	\$1,305	\$1,305	\$1,305
<b>Parks, Sea Level Rise, Alameda Point</b>															
Park Maintenance Improvements															
Playground Replacements															
Sea Level Rise Adaptation - Veterans Court															
Alameda Point, Adaptive Reuse Infrastructure															
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL CAPITAL EXPENDITURES</b>	\$850	\$650	\$700	\$700	\$700	\$600	\$1,000	\$1,000	\$1,000	\$1,000	\$1,663	\$1,305	\$1,305	\$1,305	\$1,305
Remaining Fund Balance	\$33	\$40	\$26	\$53	\$124	\$6	\$38	\$39	\$8	-\$56	\$	\$	\$	\$1	\$1

# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	215					215.1					215.11					
	Old Measure B					Measure B Local Streets & Roads					Measure BB Local Streets & Roads					
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	
<b>BEGINNING FUND BALANCES<sup>1</sup></b>	\$272	\$	\$	\$	\$	-\$1,303	\$10	\$77	\$251	\$470	-\$1,080	\$7	\$209	\$352	\$537	
<b>Revenue</b>	\$	\$	\$	\$	\$	\$2,138	\$2,180	\$2,224	\$2,269	\$2,314	\$2,012	\$2,052	\$2,093	\$2,135	\$2,178	
<b>Transfer to Operations</b>											\$400	\$400	\$400	\$400	\$400	
<b>Available Funds</b>	\$272	\$	\$	\$	\$	\$835	\$2,190	\$2,301	\$2,520	\$2,784	\$532	\$1,659	\$1,902	\$2,087	\$2,315	
<b>Rehabilitation</b>																
Urban Forest - Trees																
Master Street Tree Plan Update																
Sewer Rehabilitation																
Sewer Pump Stations																
Storm Water Management																
Storm Water Pump Stations																
Lagoon Maintenance																
Shoreline Maintenance																
City Buildings - Public Works																
City Buildings - Public Safety																
City Buildings - ARPD Facilities																
Mastic Center Improvements																
Fire Station #1 Improvements																
New Aquatic Facility - Conceptual Planning																
Parking																
Street, Park and Parking Lot Lighting																
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Transportation - Recurring Projects</b>																
Sidewalks						\$225	\$350	\$350	\$350	\$350	\$25	\$250	\$250	\$250	\$250	\$250
Pavement Management							\$500	\$750	\$750	\$750		\$600	\$600	\$600	\$600	\$600
Signs, Pavement Markings, and Curb Painting							\$200	\$200	\$200	\$200						
Traffic Signals and Systems						\$500	\$600	\$750	\$750	\$750						
Traffic Calming																
<b>Transportation - One-Time Projects</b>																
Appezato Parkway Bus Lanes																
Central Ave Safety Improvements	\$272					\$100					\$300	\$600	\$700	\$700		
Otis Dr Traffic Calming and Safety Improv.											\$200					
Clement Ave CAT - Grand to Broadway							\$463									
Clement Ave and Tilden Way Complete St																
<b>Subtotal</b>	\$272	\$	\$	\$	\$	\$825	\$2,113	\$2,050	\$2,050	\$2,050	\$525	\$1,450	\$1,550	\$1,550	\$850	\$850
<b>Parks, Sea Level Rise, Alameda Point</b>																
Park Maintenance Improvements																
Playground Replacements																
Sea Level Rise Adaptation - Veterans Court																
Alameda Point, Adaptive Reuse Infrastructure																
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL CAPITAL EXPENDITURES</b>	\$272	\$	\$	\$	\$	\$825	\$2,113	\$2,050	\$2,050	\$2,050	\$525	\$1,450	\$1,550	\$1,550	\$850	\$850
Remaining Fund Balance	\$	\$	\$	\$	\$	\$10	\$77	\$251	\$470	\$734	\$7	\$209	\$352	\$537	\$1,465	\$1,465



# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	224 Parking Meter					274.1 Waste Fund					288 Vehicle Registration Fee				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
<b>BEGINNING FUND BALANCES<sup>1</sup></b>	\$591	\$774	\$926	\$1,050	\$1,142	\$1,588	\$1,711	\$1,836	\$1,958	\$2,081	\$11	\$24	\$38	\$51	\$65
<b>Revenue</b>	\$1,464	\$1,463	\$1,463	\$1,463	\$1,463	\$441	\$443	\$440	\$441	\$441	\$334	\$334	\$334	\$334	\$334
<b>Transfer to Operations</b>	\$954	\$983	\$1,012	\$1,043	<b>\$1,074</b>										
<b>Available Funds</b>	\$1,101	\$1,253	\$1,377	\$1,469	\$1,531	\$2,029	\$2,154	\$2,276	\$2,399	\$2,522	\$344	\$358	\$371	\$385	\$398
<b>Rehabilitation</b>															
Urban Forest - Trees															
Master Street Tree Plan Update															
Sewer Rehabilitation															
Sewer Pump Stations															
Storm Water Management															
Storm Water Pump Stations															
Lagoon Maintenance															
Shoreline Maintenance															
City Buildings - Public Works															
City Buildings - Public Safety															
City Buildings - ARPD Facilities															
Mastic Center Improvements															
Fire Station #1 Improvements															
New Aquatic Facility - Conceptual Planning															
Parking	\$327	\$327	\$327	\$327	\$327										
Street, Park and Parking Lot Lighting															
<b>Subtotal</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
<b>Transportation - Recurring Projects</b>															
Sidewalks															
Pavement Management						\$318	\$318	\$318	\$318	\$318	\$320	\$320	\$320	\$320	\$320
Signs, Pavement Markings, and Curb Painting															
Traffic Signals and Systems															
Traffic Calming															
<b>Transportation - One-Time Projects</b>															
Appezato Parkway Bus Lanes															
Central Ave Safety Improvements															
Otis Dr Traffic Calming and Safety Improv.															
Clement Ave CAT - Grand to Broadway															
Clement Ave and Tilden Way Complete St															
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>
<b>Parks, Sea Level Rise, Alameda Point</b>															
Park Maintenance Improvements															
Playground Replacements															
Sea Level Rise Adaptation - Veterans Court															
Alameda Point, Adaptive Reuse Infrastructure															
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$327</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$318</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>	<b>\$320</b>
Remaining Fund Balance	\$774	\$926	\$1,050	\$1,142	\$1,204	\$1,711	\$1,836	\$1,958	\$2,081	\$2,204	\$24	\$38	\$51	\$65	\$78

# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	340.11 Development Impact Fee - Transportation					350 TIFF					351 Urban Runoff				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
<b>BEGINNING FUND BALANCES<sup>1</sup></b>	-\$122	\$708	\$956	\$956	\$956	\$2,238	\$1,857	\$1,976	\$2,095	\$2,214	-\$464	\$	\$	\$	\$
<b>Revenue</b>	\$1,500	\$448	\$200	\$200	\$200	\$619	\$619	\$619	\$619	\$619	\$2,559	\$2,559	\$2,559	\$2,559	\$2,559
<b>Transfer to Operations</b>						\$500	\$500	\$500	\$500	\$500	\$2,095	\$2,559	\$2,559	\$2,559	\$2,559
<b>Available Funds</b>	\$1,378	\$1,156	\$1,156	\$1,156	\$1,156	\$2,357	\$1,976	\$2,095	\$2,214	\$2,333	\$	\$	\$	\$	\$
<b>Rehabilitation</b>															
Urban Forest - Trees															
Master Street Tree Plan Update															
Sewer Rehabilitation															
Sewer Pump Stations															
Storm Water Management															
Storm Water Pump Stations															
Lagoon Maintenance															
Shoreline Maintenance															
City Buildings - Public Works															
City Buildings - Public Safety															
City Buildings - ARPD Facilities															
Mastic Center Improvements															
Fire Station #1 Improvements															
New Aquatic Facility - Conceptual Planning															
Parking															
Street, Park and Parking Lot Lighting															
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Transportation - Recurring Projects</b>															
Sidewalks															
Pavement Management															
Signs, Pavement Markings, and Curb Painting															
Traffic Signals and Systems						\$500									
Traffic Calming	\$200	\$200	\$200	\$200	\$200										
<b>Transportation - One-Time Projects</b>															
Appezato Parkway Bus Lanes															
Central Ave Safety Improvements															
Otis Dr Traffic Calming and Safety Improv.															
Clement Ave CAT - Grand to Broadway															
Clement Ave and Tilden Way Complete St	\$470				\$826										
<b>Subtotal</b>	\$670	\$200	\$200	\$200	\$1,026	\$500	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Parks, Sea Level Rise, Alameda Point</b>															
Park Maintenance Improvements															
Playground Replacements															
Sea Level Rise Adaptation - Veterans Court															
Alameda Point, Adaptive Reuse Infrastructure															
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL CAPITAL EXPENDITURES</b>	\$670	\$200	\$200	\$200	\$1,026	\$500	\$	\$	\$	\$	\$	\$	\$	\$	\$
Remaining Fund Balance	\$708	\$956	\$956	\$956	\$130	\$1,857	\$1,976	\$2,095	\$2,214	\$2,333	\$	\$	\$	\$	\$

# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	602 Sewer					706 Facilities Replacement					858 Base Reuse				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
<b>BEGINNING FUND BALANCES<sup>1</sup></b>	\$81,902	\$87,507	\$92,799	\$97,603	\$102,095	\$282	\$666	\$506	\$2,418	\$4,416	\$28,427	\$	\$	\$	\$
Revenue	\$24,926	\$22,176	\$22,000	\$22,000	\$22,000	\$1,751	\$1,830	\$1,912	\$1,998	\$2,088					
Transfer to Operations	\$7,500	\$7,600	\$7,900	\$8,200	\$8,400										
<b>Available Funds</b>	\$99,528	\$102,083	\$106,899	\$111,403	\$115,695	\$2,033	\$2,495	\$2,418	\$4,416	\$6,504	\$28,427	\$	\$	\$	\$
<b>Rehabilitation</b>															
Urban Forest - Trees															
Master Street Tree Plan Update															
Sewer Rehabilitation	\$8,844	\$8,960	\$8,960	\$8,960	\$8,960										
Sewer Pump Stations	\$2,865														
Storm Water Management															
Storm Water Pump Stations															
Lagoon Maintenance															
Shoreline Maintenance															
City Buildings - Public Works								\$1,279							
City Buildings - Public Safety								\$711							
City Buildings - ARPD Facilities						\$1,367									
Mastic Center Improvements															
Fire Station #1 Improvements															
New Aquatic Facility - Conceptual Planning															
Parking															
Street, Park and Parking Lot Lighting															
<b>Subtotal</b>	\$11,709	\$8,960	\$8,960	\$8,960	\$8,960	\$1,367	\$1,990	\$	\$	\$	\$	\$	\$	\$	\$
<b>Transportation - Recurring Projects</b>															
Sidewalks															
Pavement Management	\$312	\$324	\$336	\$348	\$360										
Signs, Pavement Markings, and Curb Painting															
Traffic Signals and Systems															
Traffic Calming															
<b>Transportation - One-Time Projects</b>															
Appezato Parkway Bus Lanes															
Central Ave Safety Improvements															
Otis Dr Traffic Calming and Safety Improv.															
Clement Ave CAT - Grand to Broadway															
Clement Ave and Tilden Way Complete St															
<b>Subtotal</b>	\$312	\$324	\$336	\$348	\$360	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Parks, Sea Level Rise, Alameda Point</b>															
Park Maintenance Improvements															
Playground Replacements															
Sea Level Rise Adaptation - Veterans Court															
Alameda Point, Adaptive Reuse Infrastructure											\$28,427				
<b>Subtotal</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$28,427	\$	\$	\$	\$
<b>TOTAL CAPITAL EXPENDITURES</b>	\$12,021	\$9,284	\$9,296	\$9,308	\$9,320	\$1,367	\$1,990	\$	\$	\$	\$28,427	\$	\$	\$	\$
Remaining Fund Balance	\$87,507	\$92,799	\$97,603	\$102,095	\$106,375	\$666	\$506	\$2,418	\$4,416	\$6,504	\$	\$	\$	\$	\$



# 5 YEAR CAPITAL IMPROVEMENT PROGRAM

## City of Alameda Spending Plan FY 2019-2024 (\$000's)

	Miscellaneous Revenue Sources					Grants					Comments
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	
<b>BEGINNING FUND BALANCES</b>											
Revenue	\$1,115	\$675	\$660	\$660	\$660	\$1,142	\$3,275	\$15,300	\$7,650		
Transfer to Operations											
<b>Available Funds</b>	<b>\$1,115</b>	<b>\$675</b>	<b>\$660</b>	<b>\$660</b>	<b>\$660</b>	<b>\$1,142</b>	<b>\$3,275</b>	<b>\$15,300</b>	<b>\$7,650</b>		
<b>Rehabilitation</b>											
Urban Forest - Trees	\$77	\$72	\$72	\$72	\$72						\$32k/yr Ala. Landng; \$25k/yr Golf Fund; Open Space \$20k FY20, \$15k FY21
Master Street Tree Plan Update											
Sewer Rehabilitation											
Sewer Pump Stations											
Storm Water Management											
Storm Water Pump Stations											
Lagoon Maintenance	\$50	\$50	\$50	\$50	\$50						ALWFOA funding
Shoreline Maintenance	\$138	\$138	\$138	\$138	\$138						HB Asses. Dst. 92-1(F-313)(\$87.5k/yr) and Tidelands
City Buildings - Public Works											
City Buildings - Public Safety											
City Buildings - ARPD Facilities											
Mastic Center Improvements	\$450	\$15									Legacy Fund (\$250k), Cell Tower Rev (\$30k), Rec Fund (\$35k), Capital Improvement Fund (\$150k)
Fire Station #1 Improvements											
New Aquatic Facility - Conceptual Planning											
Parking	\$400	\$400	\$400	\$400	\$400						WETA reimbursements (HB and Main Street)
Street, Park and Parking Lot Lighting											
<b>Subtotal</b>	<b>\$1,115</b>	<b>\$675</b>	<b>\$660</b>	<b>\$660</b>	<b>\$660</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	
<b>Transportation - Recurring Projects</b>											
Sidewalks											
Pavement Management											
Signs, Pavement Markings, and Curb Painting											
Traffic Signals and Systems											DIF Transportation
Traffic Calming											
<b>Transportation - One-Time Projects</b>											
Appezato Parkway Bus Lanes						\$350	\$1,000		\$7,650		Measure BB Named
Central Ave Safety Improvements						\$180	\$300	\$10,800			ATP (\$7.3M), ACTC (\$3.5M)
Otis Dr Traffic Calming and Safety Improv.											
Clement Ave CAT - Grand to Broadway						\$124	\$443	\$4,500			ACTC grant
Clement Ave and Tilden Way Complete St						\$488	\$1,532		\$6,400		Measure BB Grant
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$1,142</b>	<b>\$3,275</b>	<b>\$15,300</b>	<b>\$7,650</b>	<b>\$6,400</b>	
<b>Parks, Sea Level Rise, Alameda Point</b>											
Park Maintenance Improvements											
Playground Replacements											
Sea Level Rise Adaptation - Veterans Court											
Alameda Point, Adaptive Reuse Infrastructure											Phase 1 Infrastructure, Phases 1 and 3 water
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$1,115</b>	<b>\$675</b>	<b>\$660</b>	<b>\$660</b>	<b>\$660</b>	<b>\$1,142</b>	<b>\$3,275</b>	<b>\$15,300</b>	<b>\$7,650</b>	<b>\$6,400</b>	
Remaining Fund Balance											\$