



Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: Matt Cano

SUBJECT: CITYWIDE CAPITAL IMPROVEMENT PROGRAM ANNUAL REPORT **DATE:** October 13, 2020

Approved		Date	10/22/2020
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RECOMMENDATION

Accept the annual report on the Citywide Capital Improvement Program for Fiscal Year 2019-2020 (FY 2019-20).

OUTCOME

The Citywide Capital Improvement Program (CIP) Annual Report provides the Council a comprehensive review of major public works project and program activity during FY 2019-20.

BACKGROUND

Since early the 2000's, the CIP Report has provided Council with periodic updates on the status of the Citywide CIP. The FY 2019-20 CIP Report focuses on active major and minor public works projects and is currently presented as an annual fiscal year-end report

ANALYSIS

This report is intended to provide a summary of the FY 2019-20 CIP. Project information is sourced from the Capital Project Management System (CPMS) as of June 30, 2020 and has been coordinated with all project delivery partner departments.

In summary, from July 1, 2019, through June 30, 2020, the Citywide capital program actively worked on approximately 272 projects totaling approximately \$1.18 billion in value. This is a significant jump from prior years due to the program modifying its reporting criteria to include minor public works projects. Of those 272 projects, 199 are defined as major projects (valuing \$1.15B) and 73 are defined as minor projects (valuing \$28M). The volume of work reflects the various phases that CIP projects go through from start to finish. Of the 272 projects, 55 projects valuing \$88 million were completed and put into use during FY 2019-20. The CIP received an

average of 3.77 bids with an average bid variance of 9.5% below the engineer's estimate for major projects. Minor projects saw an average of 4 bids with an average bid variance of 3.4% above the engineer's estimate (median variance of -5.5%).

There are several new programs and policy initiatives that were implemented in City's capital improvement program during FY 2019-20 which helped to shape our infrastructure and create greater opportunities for our community to partner with the City in the delivery of the CIP.

These initiatives are summarized below:

- In November 2018, San José voters approved Measure T to provide \$650 million in general obligation bond funding for important infrastructure projects throughout the City. Nearly half of the investment will be in resurfacing and repairing City streets and bridges. The remaining funds will be used to relocate and build fire stations and complete several critical public safety, flood protection, LED lighting, and clean water projects.
- In March 2019, the City Council approved a Project Labor Agreement with the Santa Clara and San Benito Counties Building and Construction Trades Council, which applies to certain City public works projects valued over \$3,000,000.
- In September 2019, City Council approved the addition of the new Title 27 of the municipal code that incorporated recent City Charter changes modernizing the construction contract procurement process and administration of public works projects. This addition included increasing the minimum bidding threshold for minor public works contracts from \$100,000 to \$600,000, lowering the threshold for using the Design-Build project delivery method from \$5,000,000 to \$1,000,000, authorization of a "Best Value" procurement method, and providing flexibility to implement programs supporting the use of small, local, and economically disadvantaged businesses.

CONCLUSION

The Citywide CIP Annual Report is information only and provides Council a review of major public works project and program activity during FY 2019-20.

EVALUATION AND FOLLOW-UP

The Citywide CIP Annual Report documents the progress of the Citywide CIP Program activity in FY 2019-20. This program is committed to the delivery of quality projects that are on time and on budget.

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CLIMATE SMART SAN JOSE

The recommendation in this memo has no effect on Climate Smart San José energy, water, or mobility goals.

PUBLIC OUTREACH

This memorandum will be posted to the City's website for the November 3, 2020, City Council Agenda.

COORDINATION

This Annual CIP Report has been coordinated with the Airport, Environmental Services, Parks, Recreation and Neighborhood Services, and Transportation Departments as well as the Offices of the City Attorney, City Manager, and Cultural Affairs.

COMMISSION RECOMMENDATION/INPUT

Capital projects identified in this report may have included suggestions, recommendations, or actions from a City Commission. Projects with specific City Commission action will be individually reported through the appropriate department action.

CEQA

Not a Project, File No. PP17 009, Staff Reports, Assessments, Annual Reports, and Informational Memos that involve no approvals of any City action.

/s/

MATT CANO

Director of Public Works

For questions please contact David French, Division Manager, at (408) 975-7276.

Attachment: Citywide Capital Improvement Program Annual Report FY 2019-20



Turnkey -
Cannery Park



Citywide Capital Improvement Program Status Report FY 2019-20

Prepared by the Department of Public Works

Citywide Capital Improvement Program Status Report FY 2019-20

The 2019-20 Adopted Capital Budget, part of the \$4 billion 5-year Capital Improvement Program, totaled \$1.5 billion and included significant investment to sustain, enhance and develop a wide array of public infrastructure to improve system reliability, enhance recreational experiences, advance public safety and ensure that San José is well positioned for further economic growth and opportunity. This Citywide Capital Improvement Program Status Report highlights some of the key projects from fiscal year (FY) 2019-20 (July 1, 2019 through June 30, 2020) that have had a positive impact on the community including:

- Rehabilitating and enhancing parks and recreation facilities
- Upgrading and revitalizing the San José Santa Clara Regional Wastewater Facility
- Expanding the Norman Y. Mineta San José International Airport
- Investments in city infrastructure, including upgrades to emergency and disaster response facilities, road reconstruction, flood protection, water quality protection, and other improvements to critical infrastructure through the Measure T bond

In FY 2019-20 the City implemented and continued these new programs and policies which helped to shape our infrastructure:

- In November 2018, San José voters approved the following items.
 - Measure T to provide \$650 million in general obligation bond funding for important infrastructure projects throughout the City. Nearly half of the investment will be in resurfacing and repairing City streets and bridges. The remaining funds will be used to relocate and build fire stations and complete several critical public safety, flood protection, LED lighting and clean water projects.
 - Changes to Section 1217 of the City Charter, which included increasing the minimum bidding threshold for minor public works contracts from \$100,000 to \$600,000, lowering the threshold for using the Design-Build project delivery method from \$5,000,000 to \$1,000,000, authorization of a “Best Value” procurement method, and providing flexibility to implement otherwise lawful programs supporting the use of small, local and economically disadvantaged businesses.
- In March 2019, the City Council approved a Project Labor Agreement with the Santa Clara and San Benito Counties Building and Construction Trades Council, which applies to certain City public works projects valued over \$3,000,000. As of the drafting of this report, eleven (11) projects, with a total construction amount of \$232.5 million have been implemented under PLAs.
- In September 2019, City Council approved the addition of the new Title 27 of the municipal code, which implemented the City Charter Section 1217 changes approved in 2018 and modernized the construction contract procurement process and administration of public works projects.

This report provides information on how these policies are impacting capital program delivery.



Rincon South Park Development

Program Overview	Section 1
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Section 1 - Program Overview

The City of San José's Capital Improvement Program (CIP) includes capital improvement projects, which are major improvements or expansions to City facilities or infrastructure. Typical major CIP projects include new construction, replacement, and/or renovation of:

- Community centers, libraries, playgrounds, and trails
- Sidewalks, bikeways and roads
- Water, storm, and sewer lines
- Public art projects
- San José-Santa Clara Regional Wastewater Facility (RWF)
- San José McEnergy Convention Center facilities
- Mineta San José International Airport facilities (SJC)

The CIP also includes services that indirectly lead to the construction of capital improvements, such as feasibility studies and master planning efforts as well as real estate transactions.

The CIP was approved by the City Council as the 2019-20 Adopted Capital Budget and 2020-24 Capital Improvement Program. Projects were recommended for funding in the proposed CIP in consideration of approved budgets, policy, guidelines, public safety and/or economic development urgency, approved master plans and external regulatory agencies.

While this report was prepared by the Department of Public Works, multiple departments in the City take lead and partnering roles in the CIP delivery, such as the lead role the Environmental Services Department takes at the RWF, and the Airport Department at SJC Airport.

To facilitate program delivery across multiple departments, the City works within six City Service Areas (CSAs).

- Community and Economic Development
- Environmental and Utility Services
- Neighborhood Services
- Public Safety
- Strategic Support
- Transportation and Aviation Services

2019-20 Adopted Capital Budget	2020-24 Capital Improvement Program
\$1.5 billion	\$4 billion

Section 2 - CIP by the Numbers

Chart 1: Projects with Activity in FY 19-20 (272 total)

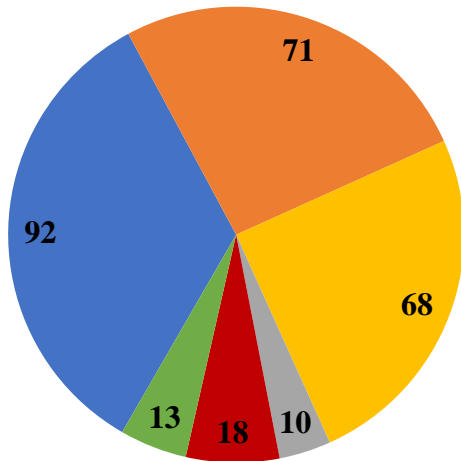
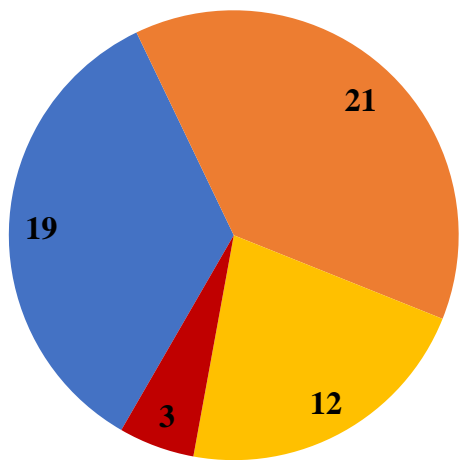


Chart 2: Projects Completed in FY 19-20 (55 total)



- Environmental & Utility Services
- Transportation & Aviation Services
- Neighborhood Services
- Community & Economic Development
- Strategic Support
- Public Safety

(Note: No projects were completed during FY 2019-20 in the following CSAs: Community & Economic Development and Public Safety)

The City tracks CIP projects through the Capital Program Management System (CPMS) database. CPMS is an internal and external tool, allowing City Staff to manage CIP projects, and the public to locate information about CIP projects. In addition to listing all projects citywide, CPMS can filter projects by Council District, or by CSA. (<http://cpms.sanjoseca.gov>)

From July 1, 2019 through June 30, 2020, the City actively worked on 272 CIP projects totaling approximately \$1.18B in value. Chart 1 represents the total active CIP projects by CSA. This is a significant jump from last year's report for two reasons. First, the overall workload and number of major public works projects have increased. Secondly, the reporting criteria has been modified to include minor public works projects (valued at under \$600,000) in addition to major projects in order to more accurately capture workload. Of the 272 CIP projects active in FY 2019-20, 199 are major projects (valuing \$1.15B) and 73 are minor projects (valuing \$28M).

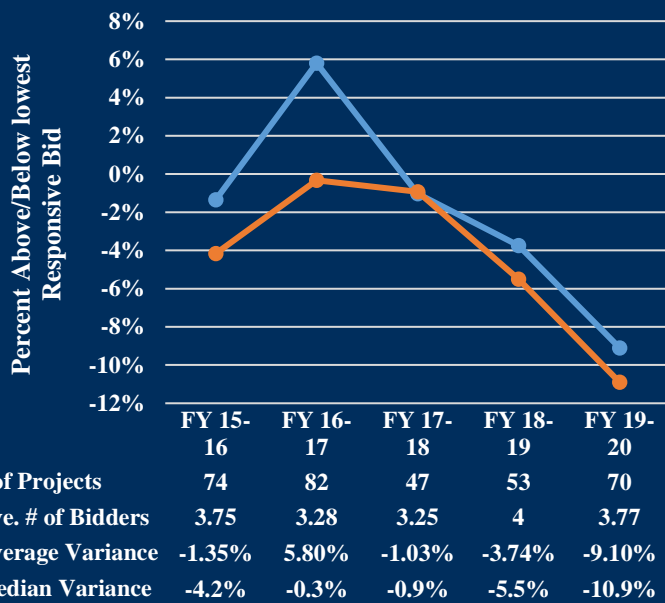
This volume of work reflects the various phases that CIP projects undergo from start to finish. These projects involved the work of several divisions within Public Works as well as partner departments (ESD, DOT, PRNS, Airport).

Of the 272 projects, 55 projects (valuing \$88M) were completed and put into use during FY 2019-20. Of the 55 projects, 41 were major projects (valuing \$84M) and 14 were minor projects (valuing \$4M).

Performance Measures

A set of consistent and comprehensive performance measures along with targets and goals have been established for the CIP. Measures have been established in two key areas: schedule and project delivery cost. The most recently reported data (for fiscal year 2018-19) can be found in the 2019-20 Adopted Capital Budget. Of projects delivered in 2018-19, 63 of 74 (85%) are estimated to be delivered within baseline schedules, meeting the 85% target, and an estimated on-budget performance of 94%, exceeding the 90% "on-budget" performance target (72 of 77 projects). Estimated on-time and on-budget performance for FY 2019-20 will be reported in the 2020-21 Adopted Capital Budget.

Chart 3: Variance Between Lowest Responsive Bid and Engineer's Estimate for Major Projects



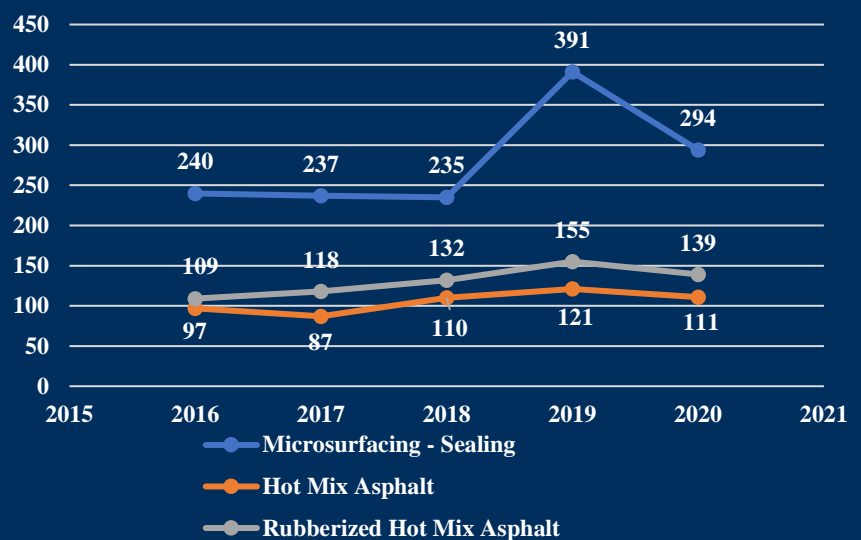
* Contracts put out to bid in FY 2019-20 may not have been awarded in the FY and therefore this number will not match with number of awarded contracts reported.

would be at 1.5% below engineer's estimates. Further information on the pavement and sewer project bids are included below.

Analysis

Staff concluded that the impacts of COVID-19 to the Statewide Crude Oil Price Index, the competitive bid environment, and the variance in the sanitary and pavement projects as the main reasons for bids coming in 9.1% below engineer's estimate. The pavement program conducted construction bids for 14 major projects during FY 2019-20 with an average variance of 16.5% below the engineer's estimate. Eight of the 14 projects had bid openings during the initial months of COVID-19 (March 2020 and June 2020) with an average variance of 22% below the engineer's estimate. As shown in Chart 4, the CIP saw an increase in the construction unit cost per ton for pavement projects between 2017 and 2019. The largest increase is seen in pavement sealing costs which increased 66% between 2018 and 2019. Many factors caused this to occur including the increase in labor and wage rates¹ and the increase in the Statewide Crude Oil Price Index². Therefore, Staff marginally increased the engineer's estimates on pavement projects anticipating a continuous increase in costs.

Chart 4: Pavement Projects (unit price per ton)



1 Prevailing Wage Rate Historical Sealing Labor Increase

Year 2017: [https://www.dir.ca.gov/oprl/2017-2/PWD/Determinations/Northern/NC-023-102-1\(B\).pdf](https://www.dir.ca.gov/oprl/2017-2/PWD/Determinations/Northern/NC-023-102-1(B).pdf)

Year 2018: [https://www.dir.ca.gov/OPRL/2018-2/PWD/Determinations/Northern/NC-023-102-1\(B\).pdf](https://www.dir.ca.gov/OPRL/2018-2/PWD/Determinations/Northern/NC-023-102-1(B).pdf)

Year 2019: [https://www.dir.ca.gov/OPRL/2019-1/PWD/Determinations/Northern/NC-023-102-1\(B\).pdf](https://www.dir.ca.gov/OPRL/2019-1/PWD/Determinations/Northern/NC-023-102-1(B).pdf)

2 California Statewide Crude Oil Price Index

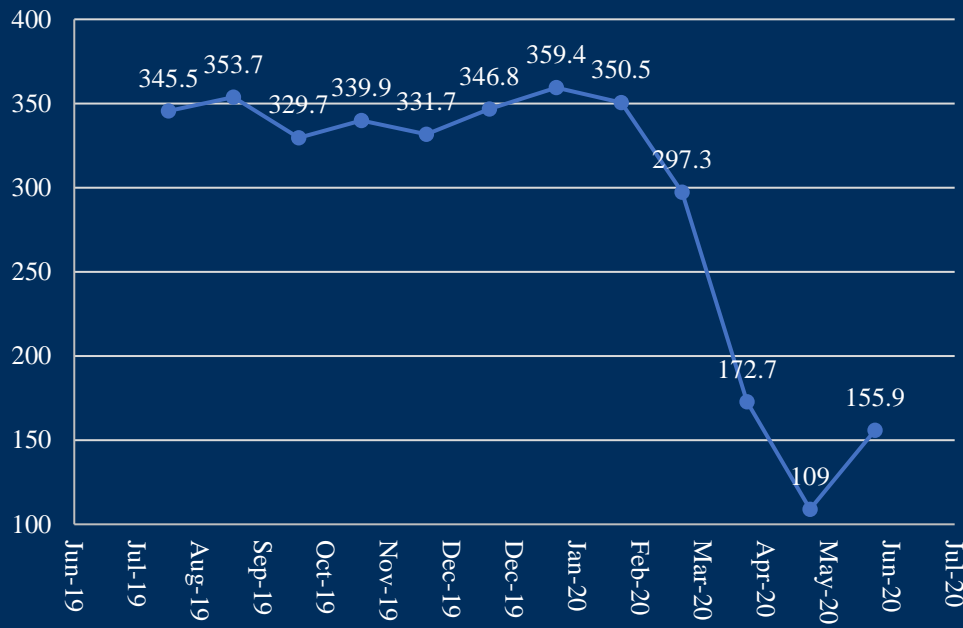
<https://dot.ca.gov/programs/construction/california-statewide-crude-oil-price-index>

Bidding Environment

During FY 2019-20, 87 construction bids were conducted totaling \$216.1M. Of those 87 bids, 70 were major projects (valued \$210.7M) and 17 were minor projects (valued at 5.4M). During that time the program received an average of 3.8 bids per project for major projects with an average variance of 9.1% below the engineer's estimate which is not within the industry average of +/-5%. Chart 3 reflects the 5-year average for major projects showing a consistent number of average bidders but a significant dip in the variance between bids and engineer's estimate.

The two primary project types that drove the average bids to be 9.1% under engineer's estimates where the pavement and sewer programs. If these projects were removed, the average project variance

Chart 5: California Statewide Crude Oil Price Index



However, as seen on Chart 5, from June 2019 to June 2020 the Statewide Crude Oil Price Index decreased 59% ² causing a major decrease in the unit price per ton with the most significant drop occurring between February 2020 and May 2020. Based on the timing of this decrease, it appears that COVID-19 caused a drop-in act on crude oil prices and is likely the primary reason for the low bids.

A total of 17 construction bids was conducted within the sanitary sewer program with an average variance of 20% below the engineer's estimate. Staff

determined the following factors caused bids to come in low:

- Growing competition in the industry and more first-time bidders submitting proposals. The sanitary program saw an average number of bidders of 4.8 compared to the overall CIP average of 3.8. This was also the case for the pavement program which saw an average number program average of 4.6.
- Sanitary Sewer Condition Assessment projects have line items with large quantities in which a few cents can yield a large variance. For example, the Sanitary Sewer Condition Assessment FY 2019-2020 Package V project has a bid item for inspection of pipeline with an estimated quantity of 34,507 linear feet (LF). The engineer's estimate for that item was \$1.10 per LF with a total extension of \$379,562 for that item alone. The price on the bid was \$0.80 with a total extension of \$293,298. With a difference of \$0.25, this one item saw a variance of \$86,264. This was the case for all the condition assessment projects and those projects specifically had an average bid variance of 28% below the engineer's estimate. Staff will assess the unit costs for condition assessment projects to avoid large variances.

Other factors explaining the decrease in the engineer's estimate are being evaluated and Staff will continue to work towards staying within industry standard. However, by removing these two programs out of the data set, the average variance would be 1.5% below the engineer's estimate which is within the industry average.

Looking at the overall program, the CIP and the bidding environment was affected due to COVID-19. Bids opened prior to COVID-19 had an average variance of 2.7% below the engineer's estimate. However, projects that conducted bid openings after COVID-19 had an average variance of 15.9% below the engineer's estimate. Staff were uncertain how the bid market would react to the County and State orders related to COVID-19 and therefore marginally increased the engineer's estimates on projects anticipating a slight increase in costs. That may have been an overly conservative approach as it appears that COVID-19 has created a more competitive bidding environment, resulting in lower-than-expected bids. More details on the impacts of COVID-19 are discussed in Section 3 – Emergency Response.

Lastly, minor projects also saw an average of four bidders but had an average variance of 3.4% above the engineer's estimate which is within the industry average of +/-5%. No additional data is available on minor projects since this year is the first year of data collection.

Section 3 – Emergency Response

FEMA Program

The winter storms of 2017 caused significant damage to several municipal facilities in the Alum Rock area and along the Coyote Creek corridor. Both events were declared as disasters which allowed the City to seek reimbursement for repairs to damaged City-owned and operated property. There are 23 total projects part of the FEMA program estimating around \$20.8M. Out of the 23 projects, 13 projects have been completed with one project, Sierra Road Landslide Repair, completed during FY 2019-20. Of the remaining 9 projects to be constructed, 3 are scheduled to complete in FY 2020-21 and 6 are scheduled to be completed in FY 2021-22.

Impacts of COVID-19

On March 31, 2020, the County of Santa Clara County Health Department released a Shelter-In-Place order prohibiting all construction activity. The County Health Order allowed construction projects involving Essential Government Function to continue if the Contractor followed certain mandated work-safety requirements. Out of the over 40 construction projects active at the time the County issued its County Health Order, the City identified 17 projects as involving Essential Government Functions. These projects involved water and wastewater treatment, Airport, seasonal work with roadways and traffic signals, critical repairs to storm and sanitary sewer systems, critical City buildings and facilities, and utility services. Work on these 17 projects continued based on the contractors' compliance with the work safety requirements mandated by the County Shelter-In-Place Order.

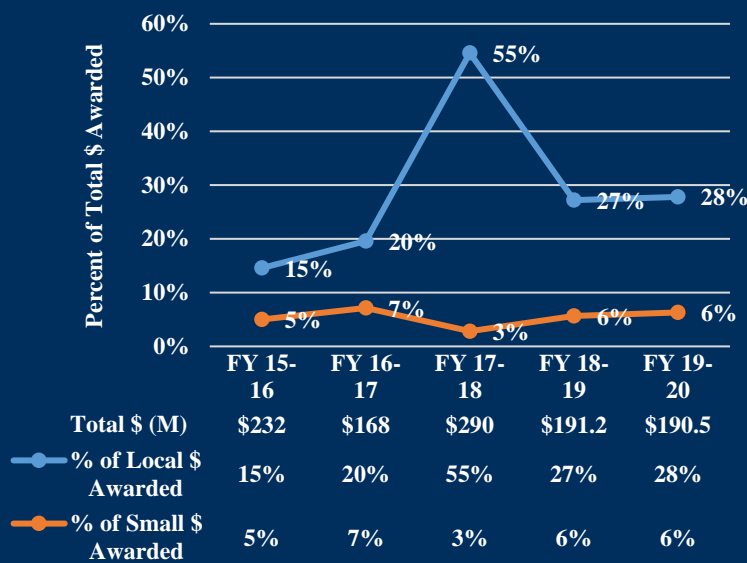
The construction projects that could not proceed under the original County Health Order, were able to proceed after the revised County Order on April 29, 2020 - provided that contractors complied with certain specified safety protocols. Specific safety protocols were put in place for projects that were either categorized as a Small Construction Project or a Large Construction Project. Each type of project enforced specific guidelines to ensure public and worker safety, minimize interactions and maintaining social distancing, and enforcing cleaning protocols.



Section 4 - Building Our City Together with Our Community

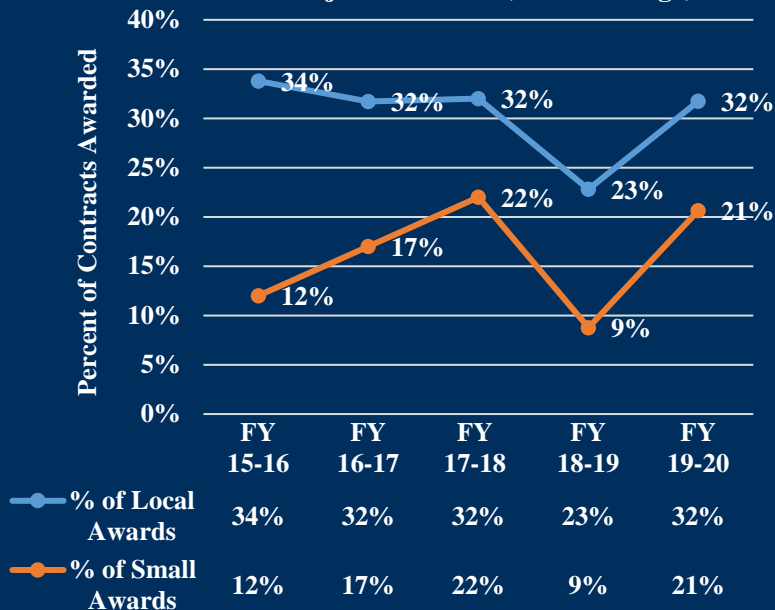
Building our City together with our community is extremely important to the CIP program. Contracting with local businesses help promote the hiring of local workers will have a positive impact on the local economy. As the City manages impacts of COVID-19, it is even more important to provide local businesses with an opportunity to contract with the City. The Department of Public Works tracks its contract awards to local & local/small businesses throughout the year. The San Jose Municipal Code defines local business as a business having either the principal business office or a satellite office with at least one (1) full time employee located in Santa Clara County. The San Jose Municipal Code defines small business as a business that is a local business having thirty-five (35) or fewer total employees. Public Works has

Chart 6: Local and Small Business Dollars Awarded for Major Contracts (as Percentage)



historically only tracked local and local/small prime contractor participation for major public works construction contracts each fiscal year. However, during FY 2019-20, the program began tracking this data voluntarily for minor construction contracts and has included that data in this report. During FY 2019-20 there were 63 major CIP construction contracts awarded totaling \$190.5M. Twenty projects (worth \$53M) were awarded to local contractors; of those twenty projects, thirteen projects (worth \$12.0M) were awarded to local contractors, who are also small businesses. This is a significant increase in the percentage of contracts awarded to local and local/small contractors from the previous fiscal year. In FY 2018-19, the program had seen a substantial decrease in the percentage of contracts awarded which was concerning. However, FY 2019-20 saw an increase back to the percentage the program had seen in prior fiscal years. Chart 6 & 7 reflect the 5-year comparison of local and local/small contract awards for major public works projects.

Chart 7: Local and Small Business Contracts Awarded for Major Contracts (as Percentage)



As mentioned, FY 2019-20 is the first fiscal year that the program has reported on minor public works contracts. During this FY there were 17 minor CIP construction contracts awarded totaling \$5.2M. Eight projects (worth \$2.2M) were awarded to local contractors; of those eight, five were awarded to local contractors who were also small. Charts 8 through 11 illustrate how the City awards contracts to local and local/small contractors more frequently under a minor contract. The higher award percentages on minor contracts is not surprising as most smaller contractors do not have the financial capacity to hold the larger contracts and therefore their bid participation is higher on minor contracts. Additionally, the City began giving local and local/small preference to qualifying contractors on minor public works contracts to help increase the award frequency to those contractors. However, to date, no contract has been awarded due to the application of the local and local/small preference. The program will continue to collect and report out on minor public works contracts and provide more comprehensive comparisons in future reports.

Chart 9: Local and Local/Small Dollars Awarded for Minor Contracts (Minor Contracts)

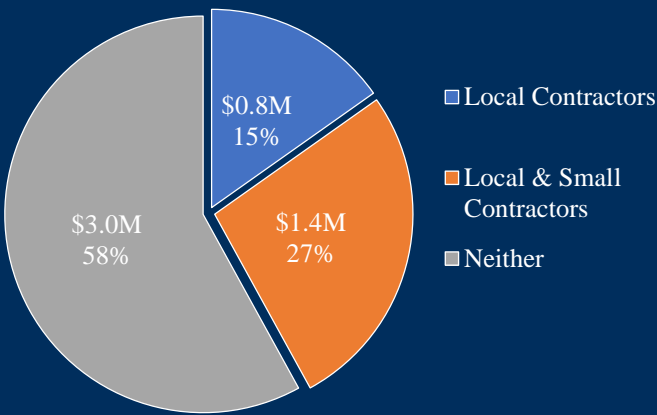


Chart 8: Local and Local/Small Contracts Awarded (Minor Contracts)

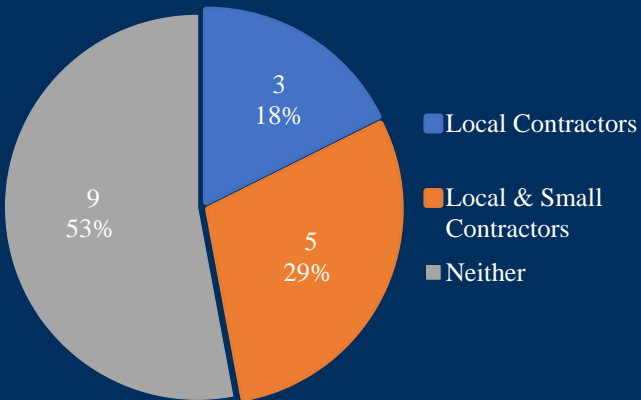


Chart 10: Local and Local/Small Contracts Awarded (Major Contracts)

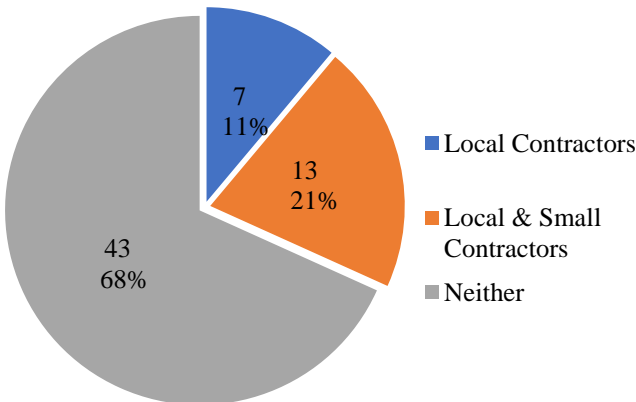
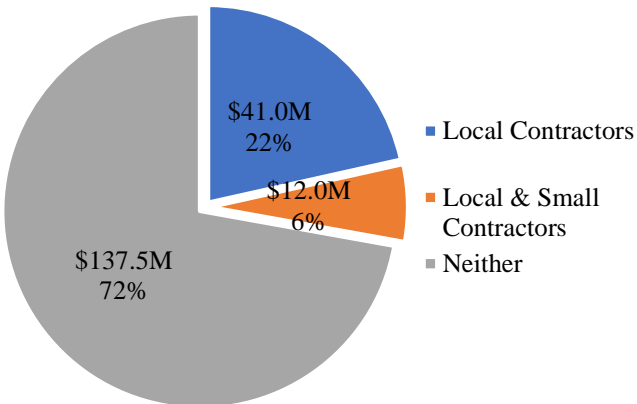
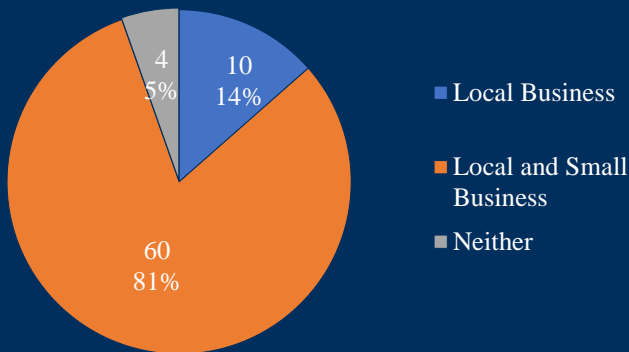


Chart 11: Local and Local/Small Dollars Awarded for Minor Contracts (Major Contracts)



Section 5 – Public Works Contracting Program

Chart 12: Fall 2020 Construction Academy Webinar Series Local and Local/Small Business Registration



Public Works Construction Academy

The Public Works Construction Academy is designed to inform contractors of contract opportunities through “Opportunity Awareness Events” as well as educate them on how to pursue and manage a public works contract through “Construction Contracting Seminars”. In 2019, The Public Works Department hosted six opportunity awareness events. These events were attended by 80 vendors of which 70% were located within Santa Clara County. The Department also hosted two sets of construction contracting seminars. These seminars were attended by 45 vendors of which 80% were local businesses. Due to COVID-19, the third seminar series, which was to be held in the Spring 2020, was postponed until the fall and required Staff to redevelop the academy for remote, virtual webinar instruction. In an effort to enhance data collection, registered participants were provided the opportunity to voluntarily provide specifics of their business, including, but not limited to, location of office, number of employees, Certified Disadvantaged Business Enterprises, and type/s of licensed contractors. For the fall webinar sessions, there are seventy-four registered participants, with seventy of those registered identifying as a local business, and of those seventy, sixty identified as local businesses who are also small. Charts 12, 13 show the voluntary information collected by the registrants.

Chart 13: Certification Types of Registrants for Fall 2020 Construction Academy Webinar Series

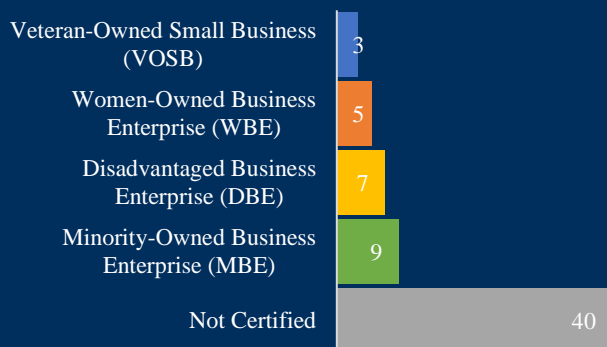
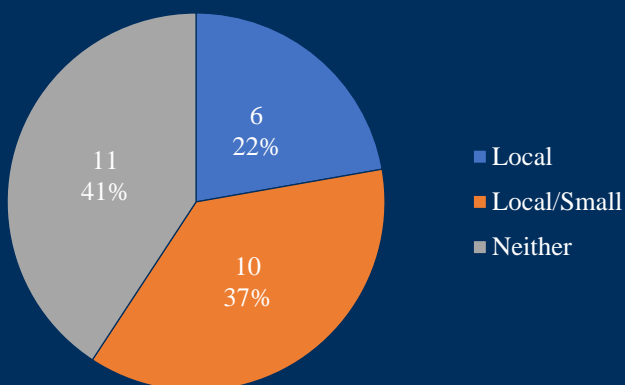


Chart 14: Prequalification Program Local and Local/Small Business Participation



Minor Contract Prequalification Program

The Minor Contract Prequalification Program is designed, in part, to offer opportunities to bid on minor public works contracts. This program launched in early 2019 with the establishment of its first prequalification pool for minor street projects. Since then, the department has added five new prequalification pools which include electrical, mechanical, plumbing, general building and general parks contractors. In total, the six established pools consist of twenty-seven pre-qualified contractors of which sixteen are local businesses, and of those sixteen, ten are local businesses who are also small. Chart 14 illustrates this data. The Public Works Academy’s Construction Contracting Seminars are tied into this program as any contractor who completes the seminars will have a portion of the experience requirement waived.

Section 6 - Ongoing Policy Work

The Department of Public Works, Office of Equality Assurance (OEA) administers and enforces the City's prevailing, living, and minimum wage ordinances and policies. OEA also leads the development and administration the Local Hire Policy and Wage Theft Prevention Policy, which are Council Priorities and may impact future CIP project delivery.

DIRECT

Electronic Payroll Submittal Platform

In order to more efficiently monitor prevailing and living wage compliance, as well as gather data to inform the above Council Priorities, Staff created an online system in partnership with Innoactive Group to develop, test, and implement a software solution, known as "DIRECT." The goals of the application centered around a transition from paper to electronic records, centralized and accessible database, and improved access to the compliance status for prime contractors and City stakeholders.

DIRECT has been operational since January 2020. DIRECT highlighted accomplishments over the past year are as follows:

- Successfully transitioned existing projects from our old monitoring process to DIRECT starting in January;
- Generation of weekly reports that include workforce metrics for all projects in DIRECT
- Developed a Training session for contractors that is conducted via ZOOM video conferencing

As DIRECT collects specific data regarding the project, contractors, and employees, Staff has been able to conduct in-depth analysis of City CIP construction projects. For example, Staff has the ability to run reports on the employee's residency and the classifications used. Chart 15 shows the use of local employees on City construction projects since January 2020. As this is the first time that staff has been able to collect this data, we have not yet had the opportunity to perform any analysis or drawn any conclusions based on the results. However, participation of local workers on city CIP projects is a high priority of the City so staff will use this data as a baseline for future analysis.

Chart 15: CIP Project Workers County of Origin

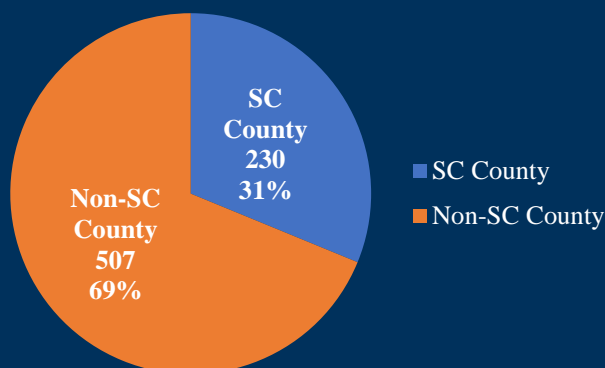
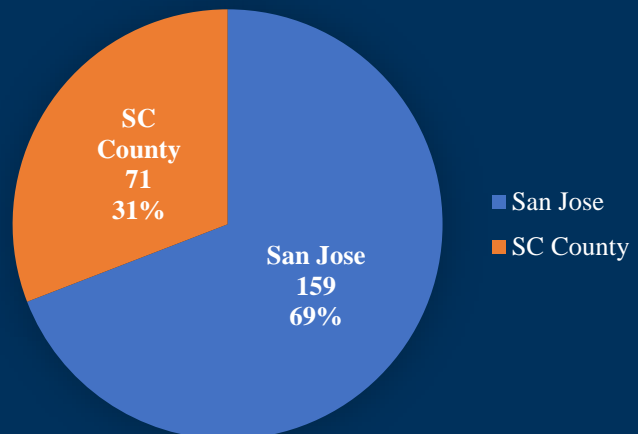


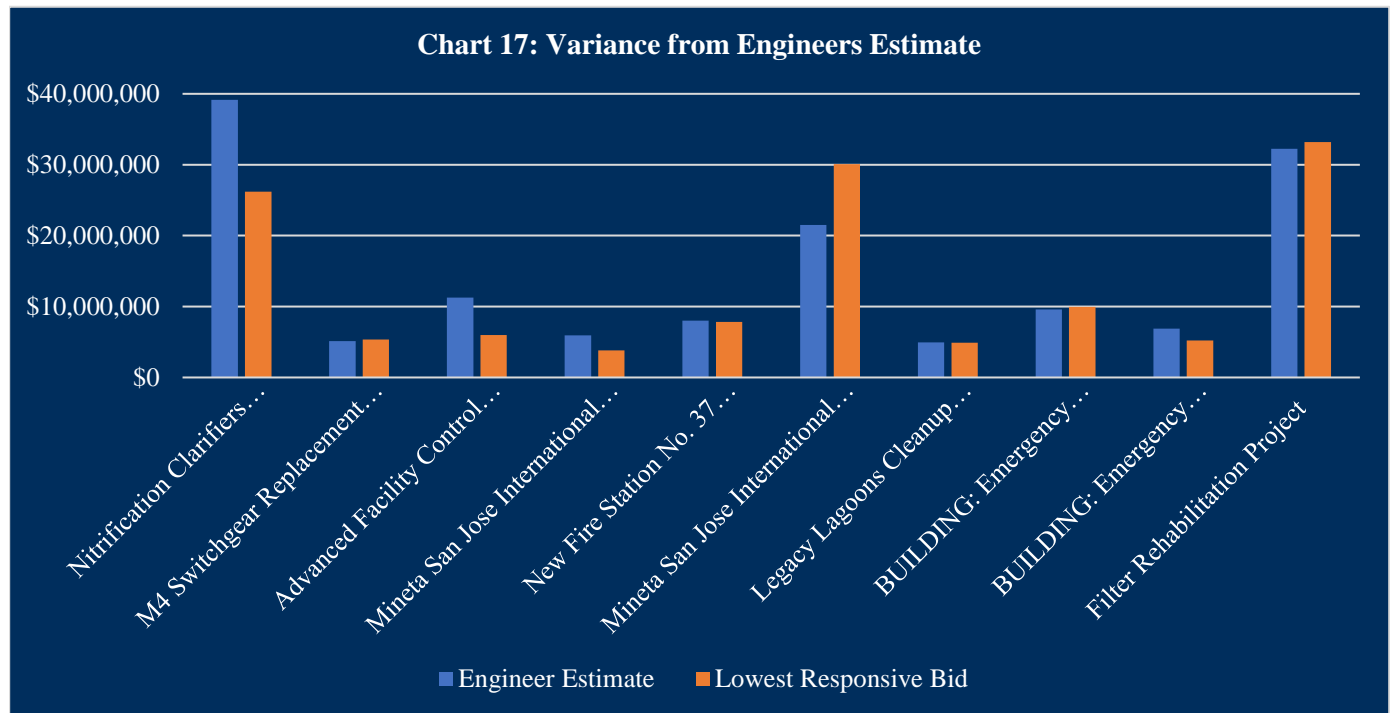
Chart 16: CIP Project Workers Located in Santa Clara County



*These graphs gathered information beginning January 1, 2020 through present time.

Citywide Project Labor Agreement

In March 2019, the City entered into a Citywide Project Labor Agreement (PLA) with Santa Clara and San Benito Building Trades Council for public works construction contracts awarded by the City if engineer estimate is for over \$3,000,000, as adjusted annually for inflation. Eleven (11) projects, with a total construction amount of \$232.5M, are currently subject to PLA requirements which includes the Nitrification Clarifiers Rehab Project, Airport Economy Parking Lot Garage, and Solar4America Ice Facility Expansion. Those projects procured through competitive bidding had an average variance of 9.8% below the engineer's estimate.



* For this chart, Nitrification Clarifiers project engineer's estimate was decreased 10% from the estimate published in the council memorandum as the published estimate was increased 10% due to the application of the PLA. No other project increased its estimate because of the application of the PLA.

** Solar4America Ice Facility Expansion is not listed on Chart 18 due to incomplete bid data. Due to project delivery method, not all bids have been obtained for the project.

Community and Economic Development

Emergency Interim Housing at Monterey/Bernal

The Community and Economic Development CSA projects include those projects implemented by the Office of Economic Development and public art projects.



Emergency Interim Housing at Monterey/Bernal includes a total of 20 modular buildings which will house up to 78 residents, one administrative building, one laundry facility, on-site 24/7 security office, on-site parking, fencing, community garden, minor planting, dog run, garbage facilities, fire access, and utilities (power, cable, water storm and sanitary). The administrative building will provide two communal kitchens, offices for support staff, a meeting room, training rooms, and a recreation room. The laundry facility will provide a laundry room, utility room, two offices for support staff, and two private case management meeting rooms.

This interim housing will also provide on-site bike racks, dog runs, trash enclosures, dedicated smoking area, outdoor eating and gathering spaces, and security offices will be provided along with perimeter fencing and internal fencing.

Construction Award Amount: \$5,918,500

Beneficial Use Date: 9/28/2020

Total # of Active Projects in CSA: 10

Total Completed Projects in CSA: 0

5 Year CIP Dollar Value: \$17,933,291

Neighborhood Services

Arcadia Softball Facility

The Neighborhood Services CSA includes capital project development for parks, trails, libraries, and community facilities.



Arcadia Softball Facility is the first Ballpark facility for the city initiated under the voter-approved 2000 Measure P Bond.

The project consisted of a new ballpark with four (4) ballfields in a 14.5-acre site, with fields with shaded seating, bleachers, dugouts and pitchers' cages. The facility also has a large concession building with a multi-use restroom and an administration office area. There is also a Park yard maintenance building, a large playground area with shaded picnic tables and a child size fenced ballfield park. The facility is located at 2208 Quimby Road, just south of Eastridge Mall, and adjacent to the new Asana residential and commercial development.

The project was anticipated to celebrate the grand opening on March 28, 2020. Due to COVID-19, the grand opening was postponed until further notice.

Construction Awarded Amount: \$16,791,161

Beneficial Use Date: March 28, 2020.

Total # of Active Projects in CSA: 68

Total Completed Projects in CSA: 12

5 Year CIP Dollar Value: \$414,693,795

Environmental and Utility Services

Alviso Storm Pump Station

The Environmental and Utility Services CSA includes the sanitary sewer system, storm sewer system, water pollution control and water utility capital programs.



The City of San Jose completed the construction of the **Alviso Storm Pump Station** in September 2019. The new storm pump station, with a pumping capacity of 110 cubic feet per second (CFS), serves a drainage area of 240 acres and provides a long-term flood protection to the northernmost community of the City. The pump station, which is located on a City-owned land at the northeast corner of Gold Street and Catherine Street, comprises of 1) a CMU (concrete masonry unit) block building that housed the diesel engine generator and a motor control center with all its mechanical and electrical appurtenances; and 2) a wet well with 4 large submersible pumps. The pump station discharges storm water into an approximately 1,200 linear feet (LF) of 48-inch diameter force main installed along Catherine Street, that tunneled under Union Pacific Railroad tracks and the levee along the Guadalupe River, and tied to a new bubble-up discharge outfall structure at the edge of the river.

Per provision C.3 of the Municipal Regional Stormwater Permit (MRP), the project also incorporated 1,700 square feet of bioretention parallel to the exterior walls of the property to intercept stormwater runoff from the site. In collaboration with the community and the Office of Cultural Affairs, approximately 1,000 SF of public art tiles that showcase the history of Alviso have been integrated into these exterior walls.

Construction Amount: \$14 Million

Beneficial Use Date: September 2019

Total # of Active Projects in CSA: 92

Total Completed Projects in CSA: 19

5 Year CIP Dollar Value: \$1,749,983,976

Transportation and Aviation Services

FEMA – Sierra Road Landslide Repair

The Transportation and Aviation Services CSA is dedicated to the development and completion of surface and air transportation projects and centered on roads, bicycling and pedestrian movement.



Following the heavy rains from the January 2017 storm event, two locations along Sierra Road, west of Felter Road (near Sierra Vista Open Preserve) were significantly damaged (approximately 6 feet of the shoulder and roadway were washed away). These locations required the roadway embankment and the adjacent upslopes to be stabilized to prevent future washout and to return the roadway to pre-disaster conditions.

The project scope for the two locations includes reconstructing the damaged asphalt concrete pavement, stabilizing downslopes by means of installing a soil nail retaining wall, implementing erosion control on the upslope sides of the roadway, installing concrete barriers and guardrail systems, and repairing the existing damaged storm drainage facilities. These repairs restored the locations to their pre-disaster conditions while enabling safe passage to the public and emergency response vehicles.

This project is one of the first FEMA projects to be completed as a response to the 2017 storm. The Contractor for this project, Joseph J. Albanese Inc., is a local Contractor.

Construction Award Amount: \$628,698

Beneficial Use Date: September 4, 2019

Total # of Active Projects in CSA: 71

Total Completed Projects in CSA: 21

5 Year CIP Dollar Value: \$1,381,314,174

Public Safety

New Fire Station 37

The Public Safety CSA consists of fire and police capital projects, including projects funded through the Public Safety Bond Program approved by San José voters in March 2002.



Fire Station No. 37 is the first new fire station to be initiated under the voter-approved Measure T Bond with a portion of the funding from the Fire Construction & Conveyance Tax Fund and was previously authorized under the 2002 Measure O Bond.

The project consists of a new single-company, two-story building, with two apparatus bays containing an office, living spaces, and five dormitories, of approximately 8,100 square feet. The facility will be located at 2195 Lincoln Avenue, adjacent to the Willow Glen Community Center, near the intersection of Franquette Avenue, in southcentral San José. Fire Station No. 37 is being designed as an “Essential Services Facility” in accordance with the California Essential Services Buildings Seismic Safety Act of 1986, and the 2016 Critical Operations Power Systems (COPS) - California Electrical Code (CEC) Section 708.

The project is scheduled for completion in January 2022.

Construction Award Amount: \$8,715,600

Beneficial Use Date: January 2022

Total # of Active Projects in CSA: 10

Total Completed Projects in CSA: 0

5 Year CIP Dollar Value: \$224,769,766

Strategic Support Services

PAC UPS System Upgrade

The Strategic Support CSA implements projects at City Hall and other city-owned facilities.



The existing **PAC Uninterrupted Power Supply (UPS) system** has been in service since 2012 with old battery technology. City Facilities expressed concerns that the battery fail rate continues to increase over the years and that the existing UPS system could fail anytime. This project replaces the existing UPS system with two new UPS systems that are more reliable and provides greater capacity for a longer run time during a power failure and redundancy. The new UPS includes the construction of two new rooms to house storage batteries, UPS equipment, transformers, and electrical switching panels, plus new electrical conduits to the PAC switchgear.

The project is substantially completed on June 9, 2020, and the two new UPS systems are currently in use by the Police Department to support the 911 call center and all critical operations. The Contractor for this project, Cupertino Electric, Inc. is a local Contractor.

Construction Award Amount: \$2,396,868

Beneficial Use Date: June 9, 2020

Total # of Active Projects in CSA: 18

Total Completed Projects in CSA: 3

5 Year CIP Dollar Value: \$178,965,176