Santa Clara Stadium Authority
2022/23 CapEx Budget

Item Type	SCSA Requested	Description	Cost	Contingency (5%)	Total Cost
Electrical		**Distribution - High Voltage (Primary Main Switch Gear Transformer, Battery & 12KV Main Circuit Breakers)** The project replaces a bad Control Power Transformer (CPT) on the Primary Main Switch Gear (PMSG). The faulty CPT was identified during preventative maintenance, inspection and testing of the PMSG earlier this year. The project will replace the current CPT, CPT drawer and CPT drawer rails with new like-in-kind equipment. Additionally, the switch gear inspection and testing identified that the PMSG, Primary Switch Gear A (PSGA)and Primary Switch Gear B (PSGB) are in need of replacement. This project will replace the current batteries with new like-in-kind batteries, which were original from the time of construction. Finally, the electrical testing company and contractor recommended purchasing two custom 12KV main circuit breakers which will be maintained as spare stock and can be used in either the PMSG, PSGA or PSGB in the event of a future breaker failure. The lead time for the 12KV breakers can be as long as 12-16 weeks. Purchasing these spare 12KV breakers as spare stock ensures that the stadium can quickly recover in the event of a breaker failure to PMSG equipment, which is critical to the operation of the stadium.	$ 200,000	$ 10,000	$ 210,000
Electrical		**Distribution - High Voltage (12KV Electrical Power Study, Assessment and Replacement at Primary Switch Gear at Quadrant Substations)** The project will test, inspect and assess primary electrical 12KV switchgear equipment located in, or associated with, the four stadium quadrant electrical substations. The assessment will provide a report and recommendation for necessary replacement and modifications necessary to maintain full and safe electrical operation at the stadium. The project includes an allowance for any necessary replacements and / or enhancements identified during the assessment. Replacements and / or modifications are dependent upon the results of the assessment. Additionally, the project will establish a baseline for this electrical equipment and may determine the need and frequency of future test and inspection of electrical equipment.	400,000	20,000	420,000
General Building		**Levi's Naming Rights Signage Refurbishment** The project refurbishes the current four (4) Levi's Naming Rights signs located above the North and South Scoreboards, west side of the suite tower, and on the east side of the grandstands. The current signs continue to experience lighting failures despite repeated attempts to repair the signs.	1,200,000	60,000	1,260,000
General Building		**Levi's Naming Rights Existing Signage Lighting and Driver Repair** The project repairs lights and drivers in the current four (4) Levi's Naming Rights signs located above the North and South Scoreboards, west side of the suite tower, and on the east side of the grandstands. The current signs continue to experience lighting failures, despite the emergency repair in 2021. The project will repair LED lights and drivers for all four (4) signs. The project will provide a temporary solution for the signs.	400,000	20,000	420,000
General Building		**New Seating - Bowl Padded Seat Replacement Project - Lower and Mid Level Club Seating Bowl** The approximately 9,500 existing padded seats in the lower seating bowl and middle seating bowl levels will be replacement in this project. The existing padded seats are original from construction and have reached end of life. The upholstery material on nearly every seat has faded, torn or cracked due to sun and heat exposure. Minor repairs and spot replacements can no longer keep up with the amount of damaged seats found in these locations. This project will also evaluate the opportunity to replace the existing padded seats with a different breathable elastomeric mesh seating project, which may provide a cooler experience on hot days. This project is necessary to provide the expected level of experience to patrons attending Levi's Stadium.	3,370,000	168,500	3,538,500
General Building		**Aesthetic Improvements - Premium Areas / Special Event Spaces** This project will renovate and refresh the premium club spaces in the stadium by replacing carpet and paint in the BNY Clubs, Fii Club, United Club, Yahoo Club and special event spaces. These club spaces are used for numerous events throughout the year. The high traffic experienced in these spaces have worn on finishes and caused the carpet to near the end of life. This project will enhance these premium spaces and ensure Levi's Stadium remains an attractive destination for any and all events.	1,000,000	50,000	1,050,000

Santa Clara Stadium Authority
2022/23 CapEx Budget (Cont.)

Item Type	SCSA Requested	Description	Cost	Contingency (5%)	Total Cost
General Building		**Overhead Doors, Motors, Sensors and Track Replacements** This project will furnish and install a replacement gate and necessary ancillary equipment at the 200 Level of the exterior ramp location at the south end of the stadium. The original overhead roll gate is damaged and is unable to be repaired. The original gate was installed as part of the stadium construction to assist in the flow of pedestrian traffic at the ramp location. Stadium Operations staff have used operational procedures to substitute for the non-functional gate. However, replacing the gate will restore the original operational intent of the gate at the ramp.	100,000	5,000	105,000
General Building		**Miscellaneous** Renewal and replacement of general building items to include, but not limited to, architectural finishes, fixtures, coatings, equipment, etc.	100,000	5,000	105,000
Security		**Security Control Situation Room Enhancements** This Project purchases equipment and technology necessary to utilize the Security 24/7 Control Situation Room as a Secondary Command Post Location in the event of an emergency situation. Multifunctional use of the space will utilize the equipment to hold daily security briefings, daily security officer administrative duties, ongoing security officer training, and can readily be converted into an Auxiliary Command Post Situation Room, on an as needed basis. New equipment and technology enhancements for this room will include new monitors, workspaces, radios, and video wall. Enhancing this room provides Security a multifunctional space that can be used both during daily operations, as well as in an emergency situation. This technology aids in our compliance with the Department of Homeland Security Safety Act requirements.	62,000	3,100	65,100
Security		**Security - Electrical / Data Distribution Expansion - Security Screening Locations** Department of Homeland Security requires exterior screening of all patrons entering the facility. This scope of work will add electrical and data distribution to exterior screening locations. The new electrical and data allows stadium security staff to utilize critical security screening technology and avoids the use of temporary extension cords, which are prohibited in a permanent location by building and fire code. Specifically, this project adds new electrical and data to the exterior portion of the stadium on level 100 in Quadrant D. This project aids in compliance with DHS Safety Act requirements.	50,000	2,500	52,500
Security		**North East Lobby Security Desk Enhancements** The scope of this project will enhance security in the east stadium lobby on major non-event days and for private events. This security checkpoint will screen everything entering the stadium at this location. These enhancements will add electrical and data connections necessary to support security screening equipment at the point of entry, which doesn't currently exist at this location today. The new electrical infrastructure allows Security to position security desk and equipment closer to entrance. This project is necessary to maintain compliance with Department of Homeland Security Safety Act requirements.	30,000	1,500	31,500
Site		**Concrete Replacements** The Project will address the concrete at the Northwest stairwell landing on the 700 Level North Plaza area. The railing at the stairwell has been compromised in the past. This project will restore the handrail and concrete at the stairwell, as well as improve the condition by strengthening the reinforcing at the stairwell railing. The project will require demolition of the existing concrete, potentially patch the waterproofing layer of the structural slab, add reinforcing steel, pour concrete, apply lymtal coting and re-install the existing handrail at the stairwell. The improved and additionally reinforced slab will improve safety and prevent future damage from carts and other equipment that are used in the nearby area.	150,000	7,500	157,500
Site		**LED Retrofit Project - Exterior Luminaire Light Fixtures - Gold Lot 4, Gold Lot 5, Bill Walsh Way and Other Exterior Poles** This project is phase 2 of the exterior lighting replacement in Gold Lot 4 and Gold Lot 5 parking lot areas. This project replaces the existing HID lighting with new LED lighting to enhance and improve the exterior lighting during stadium event load in and load out. This lighting improves safety conditions for stadium personnel and provides energy cost savings with more efficient fixtures. Project replaces exterior HID lighting that is near or has reached end of life and replaces the lighting with new energy efficient LED lighting. Project lighting includes light poles located in Gold Lot 4, Gold Lot 5, Bill Walsh Way and other exterior locations around the stadium.	200,000	10,000	210,000

Santa Clara Stadium Authority
2022/23 CapEx Budget (Cont.)

Item Type	SCSA Requested	Description	Cost	Contingency (5%)	Total Cost
Site		**Perimeter Enhancements** Project will evaluate, design, furnish, deliver and install bollards, barriers and/or vehicle deterrent devices where necessary along the perimeter of the site in order to comply with the Department of Homeland Security Safety Act Best Practices.	300,000	15,000	315,000
Site		**Private Lactation Spaces** The project will provide new lactation spaces for guests at the stadium. The project will fund the purchase, delivery and installation of private lactation pods to be used by guests pump or breastfeed milk in private. The private lactation space(s) will include a secure door, seating, lighting, counter, mirror, coat hook and electrical outlets. While these spaces are not required at stadium yet, they are required at other major assembly areas in the State of California, such as airports, colleges, county jails, community colleges, and state colleges. Providing these spaces allow breastfeeding guests a private location to express milk and still attend and enjoy events at the stadium.	120,000	6,000	126,000
		Subtotal New CapEx Construction Costs	**$ 7,682,000**	**$ 384,100**	**$ 8,066,100**
Life Safety / Fire		**Smoke Evacuation System - Fire Smoke Curtain Replacement** This project replaces an existing Elevator C6 Smoke Curtain and miscellaneous life safety / fire equipment which has been identified for replacement during preventative maintenance. The current smoke curtain experienced issued with the control box and fuses. A temporary repair was performed, but a full replacement of the smoke curtain is required. This project will remove the existing curtain and reinstall a new fire and smoke rated curtain.	$ 50,000	$ 2,500	$ 52,500
Public Safety - Fire	x	**PPE Replacement (Nomex Tops)** Projected replacement/additions of Stadium battle dress uniform tops for the team.	5,750	288	6,038
Public Safety - Fire	x	**PPE Replacement (Nomex Bottoms)** Projected replacement/additions of Stadium battle dress uniform bottoms for the team.	3,260	163	3,423
Public Safety - Fire	x	**Lifepak CR2 AEDs Replacement** The current AEDs are at the end of their 7-year service life and are no longer supported.	20,000	1,000	21,000
Public Safety - Fire	x	**Rope Rescue Equipment** Miscellaneous rope software, hardware, and bags used by the Fire Department Stadium Team. This equipment will be added to the current Rope Rescue cache at the stadium to make it identical to what is carried on Fire Department apparatus.	2,000	100	2,100
Public Safety - IT	x	**Replacement of end of life Network equipment** Network equipment was originally installed several years ago and is now end of life and not supported. This replacement costs include, equipment, shipping/tax and installation.	105,000	5,250	110,250
Public Safety - IT	x	**Replacement of end of life End User equipment** Replace 4 Precision Desktops that are end of life. This also include1 laptop and 2 monitors replacement that are no longer under warranty, in case of failure. Costs include equipment, taxes, shipping, and deployment costs.	15,916	796	16,712
Public Safety - Police	x	**Communication Equipment - Police Radio Hand Packs** Replace Motorola police radio hand packs purchased in 2013 that are at the end of the 10-year useful life.	437,500	21,875	459,375
Public Safety - Police	x	**Communication Equipment - Console** Replace MCC7500 Console communication equipment purchased in 2013 that is at the end of the 10-year useful life.	80,000	4,000	84,000
Public Safety - Police	x	**Levi's Stadium Blast Analysis** Engage a consultant to provide a technical blast analysis of certain areas of the stadium. This analysis would be provided to the Department of Homeland Security and the Safety Act Office.	125,000	6,250	131,250
Public Safety - Police	x	**Body Worn Cameras (BWCs) for Special Event Officers (SEO)** Body worn cameras, worn by police officers, improve police accountability and lower reports of misconduct. Body worn cameras provide visual and audio evidence that can independently verify events. Body worn cameras are issued to all Special Event Officers (SEO's) working stadium events. The current agreement expires in September 2022. This estimated yearly cost, subject to change pending final negotiations, would continue the current BWC program.	90,000	4,500	94,500
Public Safety - Police	x	**Observation Platforms on SAP Tower** Design and install a safe and secure platform for Santa Clara Police Department and Public Safety Officers above the roof on the SAP tower / NRG Solar Terrace.	75,000	3,750	78,750

Santa Clara Stadium Authority
2022/23 CapEx Budget (Cont.)

Item Type	SCSA Requested	Description	Cost	Contingency (5%)	Total Cost
Security		**Mobile Security Closed Circuit Television (CCTV) Pop Up Trailers** This project will purchase five (5) additional units in order to enhance video coverage and audio messaging to remove locations. The Mobile CCTV Pop Up Trailers provide flexibility to our security operation. Security has the ability to deploy the CCTY units to various locations given current demand. The CCVT units can be used to direct law enforcement to different areas on an as needed basis. They an also be used on both even or non-event days in the occurrence at stadium CCTV camera goes down for maintenance or other video coverage is required. These CCTV Pop Up Trailers will aid in maintaining compliance with the Department of Homeland Security Safety Act requirements.	235,000	11,750	246,750
Security		**Security 24/7 Gate C Employee Entrance Booth** Purchase and install new pre-manufactured Security Guard Booth at Gate C employee and guest entrance. The new booth will provide cover, power, lighting and storage for the security staff at Gate C. The booth will include a canopy for the Security walk through magnetometer and search table. It will be used on both event and non-event day. The security checkpoint is necessary to screen all people entering the stadium grounds. This booth provides necessary operational support to our Security staff performing critical screening operations required by the Department of Homeland Security Safety Act requirements.	25,000	1,250	26,250
		Subtotal New CapEx Equipment Costs	**$ 1,269,426**	**$ 63,472**	**$ 1,332,898**
		Total New CapEx Project Costs	**$ 8,951,426**	**$ 447,572**	**$ 9,398,998**

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
Electrical		**Broadcast Booth Power (2019/20 Carryover)** The project shall design supplemental lighting power and controls in the Broadcast Booth (Room 04.50.02). The existing lighting grid in the ceiling has inadequate lighting and are currently controlled with a dimmer switch near the door of the room. The Architect shall evaluate the power needs and provide a solution for better control methods for the broadcast lighting power in the room.	$ 16,190	$ 810	$ 17,000
Electrical		**Concessions Cart Cabling for Portable Carts (2019/20 Carryover)** Install code rated low voltage cabling (CAT6) to portable concession carts. This will provide Internet Protocol (IP) based access to the IPTV menu boards and Point of Sale (POS) systems for credit card transactions, as well as deliver an emergency signage to be displayed at the concession stands.	50,000	2,500	52,500
General Building		**Updated Stadium Wayfinding Signage (2020/21 Carryover)** Design, furnish and install new wayfinding and information signage to include, but not limited to, new premium/club wayfinding, suite wayfinding, smoking section signs, no smoking signs for around the main and upper concourses, section numbers/floor decals, ADA accessibility signs, Tunnel signs that "no photos/no autographs", etc.	250,000	12,500	262,500
General Building		**Stadium Event Signage (2019/20 Carryover)** The design, furnish and install of new stadium even signage including, but not limited to, tunnel awnings, accessible seating reference areas, lower bowl sections placards, security, mobile signage, and additional fire and building code signage.	138,000	6,900	144,900
General Building		**Command Post Communication Equipment (2019/20 Carryover)** Purchase and install public safety screens, monitors, and projection devices used in monitoring stadium and security operations to help improve situational awareness and response.	58,000	2,900	60,900
General Building		**Women's Locker Room (2019/20 Carryover)** Convert a portion of the auxiliary locker room area to accommodate a larger private space for female athletes, performers, officials, and other female event day sporting and entertainment professionals visiting or working events at Levi's Stadium. The project will include the design, permitting and construction of alterations necessary to accommodate these new designated spaces necessary to provide equal accommodations.	353,333	17,667	371,000
General Building		**Automatic Logic Control Building Engineering System (2019/20 Carryover)** Install an automatic logic controller system upgrade to monitor the building's HVAC in all quadrants simultaneously. This updated system will enable graphic interface and help the system to operate more efficiently with time clock management and assist in potential lighting control energy savings.	27,619	1,381	29,000
General Building		**Club Space Flooring (2019/20 Carryover)** Strip, resurface, and/or replace hardwood flooring surfaces in the BNY East & West and Levi's 501 spaces. These spaces are among the most utilized spaces in the building and get a large amount of foot traffic. This work will help extend the useful life of these spaces as well as reducing slips and falls from worn floors.	85,000	4,250	89,250
General Building		**General Areas / Coatings Main Deck (2021/22 Carryover)** Replace and recoat lymtal traffic deck coating at the lower seating bowl and on the 300 and 700 Level Concourses, which are currently showing signs of wear. The deck coating serves as a secondary waterproofing system for the occupied spaces below these areas and also protects and extends the life of the concrete. Periodic replacement and recoating of this system is necessary to maintain current waterproofing system and maintain the expected life of the structure.	2,450,000	122,500	2,572,500
General Building		**Field Turf Track Replacement (2021/22 Carryover)** The current turf track carpet is worn, buckled and compacted from use over the past five years and has reached its end of life. This project addresses the uneven grade of the current turf track carpet. This project will remove the existing track and rebuild it using a compacted stone base and shock layer with new carpet on top. Additionally, the project scope permanently addresses the sun grade issues we experience with our current track by stabilizing the base to support the extreme loads it comes under during concerts and dirt events. Finally, the new turf track will eliminate slipping hazards and improve overall safety and appearance.	325,714	16,286	342,000

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover (Cont.)

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
General Building		**Additional Gate and Fence at Gate D (2016/17 Carryover)** Addition of gate and fence in the Quadrant D to assist in the control of people movement and screening operations. Study will take place to ensure the gate and fence meet all operational and regulatory compliance. Material will be furnished and installed. Projectg originally approved in FY 2016/17 but was not completed.	75,000	3,750	78,750
General Building		**Miscellaneous (2016/17 Carryover)** General renewal and replacement of flooring, carpeting, millwork, tiles, masonry, granite counters, stainless steel panels and counters, cladding, wall acoustic panels etc. throughout the building as items reach their end of life. Project originally approved in FY2016/17 but was not completed.	100,000	5,000	105,000
Plumbing		**Plumbing (2020/21 Carryover)** Project addesses general renewal and replacement of necessary plumbing equipment in the stadium to include, but not limited to, replacement of Pressure Reducting Valves (PRV) and other parts on domestic and recycled water systems.	87,619	4,381	92,000
Security		**Enhance Stadium Security Coverage (2020/21 Carryover)** Evaluate and replace existing cameras with technologically advanced multi-lens panoramic/360/multi-directional cameras. Design locations and camera styles have created visual obstructions and gaps in coverage. Height locations with fixed lens cameras create the inability to adjust field of views. Installation of television monitors/signage near camera mounts have created field of view obstructions. Due to high volume of club space usage for large scale, and smaller events, request for video investigations become frequent. Low lighting situations are constant with event type needs, and enhanced technology from newer cameras will enable greater video quality. Club Space Enhancements: Club spaces which need to be evaluated include, but are not limited to: BNY Mellon East and West Club, Yahoo Club, United Club, FII Club, 501 Club, Citrix Owners Club, Entry Gates, and Perimeter fences.	330,000	16,500	346,500
Security		**Enhance Stadium Security Access Control (2020/21 Carryover)** Install card readers on manual doors to increase access control features and security. Based on operational demands, doors have been identified via staff request and event activity in order to improve operational awareness and enhance the access control abilities by automating the doors. This also increases security to areas deemed by staff to hold sensitive or high value assets. The access control enhancements include Vertx/Mercury upgrade, EvoE400/Mercury upgrade, and various doors with access control upgrade or enhancement requirements.	235,000	11,750	246,750
Site		**Security Fencing - Main Lot (2020/21 Carryover)** Remove and replace approximately 1,000 linear feet of 4-foot high security fencing in Main Lot per request of City. The removal of existing fence and the installation of the new fence is included in a permit package that is currently under review at the City Planning and Building Departments as part of a larger project in the Main Parking Lot.	150,000	7,500	157,500
Site		**Stationary Electric Pressure Washers (2020/21 Carryover)** Install one (1) to two (2) demo stations on the 300 concourse. If these are effective, we would look to replace all gas-powered pressure washers with electrically powered ones.	49,524	2,476	52,000
Site		**Asphalt (2018/19 Carryover)** The project will evaluate the current pavement status and provide asphalt overlay and/or seal coat at the visitor parking on Tasman, Gold 4 & 5 parking lots and South Access Road. Design services will be engaged to evaluate the current condition of pavement and recommend the correct application. Proper overlay and crack fill seals the pavement and prevents the infiltration of water which prevents pavemt failure.	170,952	8,548	179,500
Site		**Stadium Event Power Upgrades & Switchgear Electrical (2019/20 Carryover)** The project will study, design, install and enhance remote visibility to the 12KV PMSG (primary switch gear) to main electrical panel using the Schneider Power Monitoring Expert system. The project will establish capability to monitor and report the Switch Gear Event Mode Status through the building Schneider Power Monitoring Expert (PME) system for remote monitoring. The plans and specifications required will include any electrical and communication wiring, as well as any controls upgrades necessary to complete the project.	35,238	1,762	37,000
Site		**Bridge - Pedestrian (2018/19 Carryover)** The project will seal walkways and paint bridges to enhance public safety access areas and extended the useful life of the bridges. Project originally approved in FY2018/19 but was not compelted.	30,000	1,500	31,500
		Subtotal Carryover CapEx Construction Costs	**$ 5,017,189**	**$ 250,861**	**$ 5,268,050**

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover (Cont.)

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
Audio/Visual		**Radio Booth Cabling (2019/20 Carryover)** The project will install fiber optic cabling to increase the low voltage cabling backbone. This installation will accommodate the expanding requests received for booth usage during stadium events and will help the stadium keep up with emerging trends. The project will install fiber optic between multiple booths located on the 800 level suite tower location and the broadcast patch panel (Room 01.69.08) near the loading dock on the exterior south end of the stadium. Fiber design shall include TAC-12 and DT-12, or better. Design will consider new fiber termination panels in each booth. Design shall investigate and determine if additional conduit and raceway is necessary during the installation phase.	$ 562,857	$ 28,143	$ 591,000
Audio/Visual		**Crestron Control & Building Operating System Upgrades (2019/20 Carryover)** Project shall evaluate and recommend a Crestron Control system upgrade and/or installation options to monitor HVAC, Lighting, Electrical, and Fire Alarms. The comprehensive system shall enable all of these items to interface with one another for stadium engineers to see a real time view of the building's systems.	3,810	191	4,001
Furniture, Fixtures & Equipment		**Guest Service Booths (2018/19 Carryover)** Add two additional guest services booths on the main concourse for better enhanced customer service touchpoints. New booths will provide increased operational space for guest service representatives on game day.	70,000	3,500	73,500
Furniture, Fixtures & Equipment		**Replace Furniture for BNY Field Clubs, United, Levi's 501 & Yahoo clubs and Special Event spaces (2019/20 Carryover)** Purchase replacement furniture for clubs (BNY, United, Levi's 501 and Yahoo) and special event spaces to enhance areas and meet client expectations. These spaces are amongst the most utilized in the entire stadium. The current furniture has been in place since the building opened in 2014 and is aging due to normal wear and tear as a result of numerous events in the stadium over the last eight years.	1,543,810	77,191	1,621,001
Food and Beverage		**Beverage Distribution System (2020/21 Carryover)** Equipment to assist with the distribution of beer and sodas throughout the stadium concession areas and bars. This project includes general renewal and replacement of beverage distribution system lines, CO2 and glycol dispensing equipment.	50,000	2,500	52,500
Food and Beverage		**CO2 Monitoring & Sensors for Code Compliance (2020/21 Carryover)** The project will design and install remote CO2 monitoring equipment utilizing the existing Automatic Logic Controller (ALC) system. The current CO2 monitoring has a local alarm three stage alarm, but is not connected to any Building Management System for remote monitoring. A recent CO2 assessment was performed that found the system the current monitoring system is compliant with all requirements, but the assessment recommended this remote monitoring upgrade as a best practice for safety. This project will evaluate, recommend and design remote CO2 monitoring system CO2 monitoring for enhanced safety for stadium staff per Authorities having jurisdiction. All Beer Cooler locations and Concession Soda Box Locations shall be monitored by the remote monitoring system.	192,381	9,619	202,000
Food and Beverage		**Main Kitchen Equipment (2016/17 Carryover)** General renewal and replacement of kitchen servce equipment in the Main Kitchen. Project will include any necessary design, permit, purchase and installation of aging kitchen equipment that is near or at the end of life. Project originally approved in FY2016/17 but was not completed.	350,000	17,500	367,500
HVAC/Mechanical		**Cooling Towers (2020/21 Carryover)** General renewal and replacement of stadium cooling tower internal parts and systems. This includes, but is not limited to, motors, fans, fill, controls, and piping which support the mechanical cooling functions for the HVAC system.	43,810	2,191	46,001
HVAC/Mechanical		**Variable Frequency Drive(s) (2020/21 Carryover)** General renewal and replacement of Variable Frequency Drives (VFD) units for cooling tower, boilers and other mechanical equipment due to life expectancy issues. These system support the mechanical heating and cooling functions for the stadium.	126,667	6,333	133,000

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover (Cont.)

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
HVAC/Mechanical		**Install New Kitchen Exhaust Fans Throughout the Building (2019/20 Carryover)** Install variable frequency drive (VFD) Units on kitchen exhaust fans for soft start (slow ramp up) capabilities. Kitchen exhaust fans currently operate 100 percent of the time. Installing VFD units will modulate the power and save energy whenever the fan is in use. Soft start extends the life of the equipment and saves energy.	266,667	13,333	280,000
Information Technology		**Financial Management Information System Project (2020/21 Carryover)** Procure a new cloud-based financial management system for the Stadium Authority that would allow greater visibility in to Non-NFL Events and Shared Stadium Expenses. The management company that handles Non-NFL events would use the financial management system for all transactions related to Non-NFL events and Shared Stadium Expenses, as well as store supporting documentation for the transactions (Including invoices). The costs include software license/subscription, hosting fee and a consultant for implementation and process improvement. There will be ongoing software license costs and possibility for additional staff time for implementation. *Subject to subsequent court rulings on cost allocation.	75,000	3,750	78,750
Public Safety - Fire	x	**Mass Casualty Incident (MCI) Trailer (2020/21 Carryover)** The fire department currently has equipment to treat 25 patients during a large-scale emergency. The MCI Trailer would allow the first responders to treat between 500-1000 people during a large-scale emergency by allowing quick access to on-board equipment and supplies.	120,000	6,000	126,000
Public Safety - Police	x	**Kawasaki Mule (2021/22 Carryover)** Purchase new Kawasaki Mule for Explosive Ordinance Disposal (EOD) team. Cost includes unfitting the Kawasaki Mule with Police labels and markings, lighting and locking storage boxes. The EOD team does not currently have a dedicated vehicle and are currently walking with canines and EOD gear during response calls for suspicious packages and drone payloads. The EOD team is first on scene sweeping the stadium for safety issues and the last to leave. Shifts can extend past 10 hours. Purchase of a vehicle would reduce fatigue for officers and canines and reduce response time.	25,000	1,250	26,250
Public Safety - Police	x	**Kawasaki Mule (2021/22 Carryover)** Purchase new Kawasaki Mule for Special Response Team (SRT). Cost includes unfitting the Kawasaki Mule with Police labels and markings, lighting, equipment storage boxes and Type 3 IME box that is approved by the U.S. Bureau of Alcohol Tobacco and Firearms (ATF) to transport/store breacher explosives. The SRT equipment is currently in a standard size vehicle that upon deployment would not easily maneuver the stadium or crowds of attendees; the team would be required to go to the vehicle to retrieve the required equipment extending response time. The vehicle may also be deployed to City issues and the equipment would not be readily available for use. The SRT does not currently have a dedicated vehicle. Purchase of a vehicle would allow the SRT to mobilize needed equipment and will reduce response time.	20,000	1,000	21,000
Public Safety - Police	x	**Onsite Conex Storage (2021/22 Carryover)** Locking onsite Conex Storage container to store 3 Police Kawasaki Mules, including the requested EOD and SRT mule purchase. The Conex Storage container will be housed in a parking lot dedicated for police parking with the secured footprint of the Stadium.	4,000	200	4,200
Public Safety - Police	x	**2-Way CAD/24-7 Link (2020/21 Carryover)** All stadium personnel operate on the 24/7 dispatch system. SCPD and SCFD operate on the CAD system. When public safety personnel are sent on calls, the call must be generated by hand in both systems. This causes extra work for dispatchers, however, more importantly this creates delays in reporting and responses to public safety incidents. A 2-way link would allow both systems to "talk" to each other and automatically create incidents in each other's system. Additionally, without this link, we cannot log officers on which creates an officer safety issue as well as an issue when it comes to management of personnel.	82,000	4,100	86,100

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover (Cont.)

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
Public Safety - Police	x	**Pedestrian Safety Fencing (2019/20 Carryover)** Raised fencing is requested for installation on Tasman Drive from Centennial Boulevard to Calle Del Sol. This is approximately 0.4 miles and would be adjacent to the VTA/Light Rail tracks. This fencing is required to guarantee the safety of patrons as pedestrians on Tasman Drive. Currently, pedestrians regularly jump temporary construction barriers and cross eastbound Tasman Drive and cross live/active VTA light rail tracks. In addition, during events the traffic flow is reversed and pedestrians will not expect cars coming from that direction. This poses a clear danger for pedestrians and mobile personnel are not always available to prevent this regular attempt by pedestrians. Raised fencing will guarantee this dangerous situation stops. The cost is an estimate based on the Fencing on Tasman project.	100,000	5,000	105,000
Public Safety - Police	x	**GPS Software for Tracking Personnel (2019/20 Carryover)** Live tracking of law enforcement personnel is critical in providing an accurate picture of public safety coverage. This technology and software will allow the Command Post to know where our personnel are at all times and make necessary assignment adjustments on the go. It is desired that the software also be capable of retaining data for historical analysis. The requested funding of $25,000 is the initial purchase price for approximately 100 devices and the software. There is a monthly operating cost of $30/month each; $36,000 total annually.	25,000	1,250	26,250
Public Safety - Police	x	**Fencing on Tasman & Lafayette(2019/20 Carryover)** Fencing to prevent stadium event pedestrian traffic from crossing unsafely between Lafayette St. and the Tasman St. overcrossing.	70,000	3,500	73,500
Public Safety - Police	x	**Radios (2020/21 Carryover)** New radios are required for equipping additional staff in our public safety deployment. These radios allow for communication to the command post and between public safety partners working our events. Without these critical radios, personnel would not be able to function in their capacity and as expected to provide public safety services including emergency response. The department is currently waiting on Silicon Valley Regional Interoperability Authority to upgrade their radio infrastructure to complete these new radio purchases. There is a yearly operating cost; requesting quote.	79,000	3,950	82,950
Public Safety - Police	x	**Radio Chargers (2020/21 Carryover)** Our radio equipment is critical and, therefore, their serviceability must be maintained. Each new radio will require a charging port. These three charging stations each have a 6-radio capacity and three are needed to maintain radios at their peak power and usability. Having these three charging stations will ensure all radios are ready for use by public safety without the risk of personnel being without this crucial equipment in a functional state.	3,000	150	3,150
Public Safety - Police	x	**Dispatch Monitors (2020/21 Carryover)** Our public safety dispatchers utilize several screens at their work stations in order to facilitate their duties. The necessary upgrading of our latest public safety communications center's CAD and associated software will require larger screen area to effectively manage the new information. These 16 replacement 22" larger monitors are needed to optimize the use and intended application of the latest public safety dispatching software. The larger screens are required to view the additional windows from the CAD system and are expected to last five years. The prior monitors were purchased six years ago and are 19" monitors. The cost includes estimated installation for three workstations.	8,000	400	8,400
Public Safety - Police	x	**Staff Scheduling Software (2019/20 Carryover)** The Stadium requires SEOs to operate safely. Notifying and communicating with our SEOs is critical in properly planning our staffing needs. We currently use an out of date version of "Game Day Staffing."	16,250	813	17,063
Public Safety - Public Works	x	**Street Signage (2017/18 Carryover)** This item was brought before the SCSA Board and approved in the 2017/18 budget. Working with the Dept. of Public Works, the Executive Director's office and the Chief of Police's office to identify appropriate locations on surrounding city streets (Great America Parkway, Tasman Drive, etc.) to place signage to better protect, inform and serve patrons visitng Levi's Stadium, non-event day traffic, community even advisories and emergency public safety and traffic advisories.	1,000,000	50,000	1,050,000
Security		**Software Upgrade to Genetec 5.8 (2020/21 Carryover)** Upgrade to Genetecs newest firmware version 5.8. This would improve overall system performance and stability, and add new features that will help in operator training and utilization of software. Customizable live dashboards assist in monitoring alarms and events in real-time.	35,000	1,750	36,750

Santa Clara Stadium Authority
2022/23 CapEx Budget Carryover (Cont.)

Item Type	SCSA Requested	Description	Cost	Remaining Contingency	Total Cost
Security		**Video Analytics (2020/21 Carryover)** Add video analytics to assist with video investigations. Video investigations take several hours/days to complete using traditional playback methods. Adding video analytics will greatly decrease man-hours spent in video review process, as well as aid in investigations using newer technology.	35,000	1,750	36,750
Security		**Parking Lot Camera Upgrades (2020/21 Carryover)** Replace Great America parking lot cameras with technologically advanced multi- lens panoramic/360/multi-directional cameras. New camera technology would provide better overall coverage of the main parking lot. Sun baked cameras with fixed angles have created gaps in coverage. With more video incident request coming from ingress/egress incidents, new technology would assist in these investigations. Install cameras in Gold lot 4/5 where there is very limited coverage.	40,000	2,000	42,000
Security		**Bowl Camera Upgrade/Refurbishment (2020/21 Carryover)** The project will replace or refurbish several seating bowl cameras. The bowl cameras have become sun baked and provide poor/obscured coverage of bowl seating. Maintenance has become an issue due to the cost and time required to erect scaffolding to reach camera boxes each time the cameras require maintenance. The project will evaluate the opportunity to re-engineer the camera housing by relocating housing closer to stadium infrastructure, if possible.	135,000	6,750	141,750
Security		**License Plate Reader at Vehicle Entry Gates (2020/21 Carryover)** Add six (6) License Plate Reader cameras on entry/exit lanes of all vehicle gates (Post 1,2, and 3) to document and track vehicles entering and exiting the stadium. The LPR cameras provide additional visibility of all parties entering and existing that stadium.	45,000	2,250	47,250
Security		**Install Stadium Camera Booths Card Readers (2019/20 Carryover)** Install card reader for north and south camera booths to secure the spaces that enter into/from general public access areas.	84,000	4,200	88,200
Security		**Drone Detection (Antenna System) (2021/22 Carryover)** Drone intrusions are happening more frequently. We need a detection and deterrent system in place for the Security of our venue and events. This technology will assist Stadium Security and Law Enforcement in identifying any threats and to take measures to mitigate the threat.	55,000	2,750	57,750
Vertical Transport		**Elevator Door Replacement (2019/20 Carryover)** The project replace the vestibule door frame, doors, hardware and equipment at the 200 level elevator lobby doors in the stadium. The current door system does not allow the necessary door swing radius to nagivate larger janitorial and operational equipment into the elevator lobby. The current door system was damaged due to the limitations in design and thus must be completely replaced to restore and establish ultimate operational function.	20,000	1,000	21,000
		Subtotal Carryover CapEx Equipment Costs	**$ 5,286,252**	**$ 264,314**	**$ 5,550,566**
		Total Carryover CapEx Project Costs	**$ 10,303,441**	**$ 515,175**	**$ 10,818,616**