

## Capital Improvement Program

Budgeted Projects Descriptions - New and Modified  
2021/22 & 2022/23

CY Ref No.	Funded Projects by Category	Description
<b>Airport</b>		
1	AIRPORT HANGAR TAXIWAY ASPHALT	The Hangar Taxiway Asphalt Project will consist of a crack seal, slurry coat, and minor repair of approximately 50,000 sq. ft. of pavement between Parflight hangar rows. The asphalt was installed in late 1990's and has had only minor repair and has deteriorated over the last 25 years from age and weather.
<b>Municipal Buildings and Facilities</b>		
4	CORP YARD SECURITY CAMERAS	This project entails the installation of security cameras at various areas of the City of Riverside Corporation Yard. The camera system consists of 111 cameras throughout the exterior of the Corporation Yard and interior areas of Fleet Maintenance, Fleet Fire Facility and Special Transportation maintenance garages, with five years of preventative maintenance and warranty coverage included.
5	EASTSIDE LIBRARY	The Jesus S. Duran Eastside Library, the 3rd busiest library in the city, delivers service to the community in an undersized, 10,816 sq. ft. leased facility not configured for its operational needs. This phase of the project will determine the most suitable location(s) for a new Jesus S. Duran Eastside Library of approximately 15,000 sq. ft. in size for presentation to the Board of Library Trustees and the City Council for their consideration.
6	FIRE STATION 10 BAY DOOR REPLACEMENT	The apparatus bay door at the Arlington Heights Fire Station is 10 feet tall. Engine 10 is scheduled to be replaced with a newer apparatus whose height dimension is 10 feet, 4 inches tall. The apparatus door opening will be enlarged to accommodate the new larger vehicle, and the door will be replaced. This project is currently in the planning stage.
7	FIRE STATION 11 DORM IMPROVEMENTS	The project consists of demolishing the open dormitory style sleeping quarters, which currently consists of six individual beds and nightstands, and constructing five private sleeping quarters which can each accommodate one single bed, nightstand, lockers and privacy door. Each room will have its own independent ceiling light, wall power outlet and heating and air conditioning ventilation.
8	FLEET MAINTENANCE FACILITY CANOPY	Installation of a canopy on the south exterior of the General Services Fleet Maintenance facility located at the Corporation Yard.
9	FLEET MAINTENANCE PLYMOVENT EXHAUST SYSTEM	This project will install an upgraded diesel exhaust system in multiple fire station apparatus bays. The new system will include hoses that connect directly to the fire vehicles that collect the exhaust gases and then use a fan system to remove it from the building apparatus bays.
<b>Innovation and Technology</b>		
12	VOICE OVER IP (VOIP) TELECOMMUNICATIONS SYSTEM UPGRADES	This project adds phone call encryption, system upgrades, replaces the call center manager core that is near end of life, adds system high availability, and implements an improved system for inter-departmental usage chargebacks for phone system usage.
<b>Public Parking</b>		
13	GARAGE LED LIGHTING UPGRADE	On March 21, 2017, City Council approved parking rate increases that would be used to fund facility enhancements, including upgrading to LED lighting in all City-owned parking garages.
15	REPLACE GARAGES 1 & 2	Garages 1 and 2 are over 50 years old and reaching the end of their useful lives. Due to building codes, enlarging the garages is not an option. Replacing them requires the acquisition of additional land and demolition of the existing garages.
<b>Parks, Recreation and Community Services</b>		
17	BOBBY BONDS PARK ARTIFICIAL TURF REFURBISHMENT	Removal and replacement of 85,675 SF of existing artificial turf. Panel seams to be hand sewn and field to be restriped for both full team football and soccer games as well as 7-man mini soccer games. Life expectancy is approximately 10 years. Regular maintenance sweeping of the infill/turf should be completed every 4-6 weeks. The existing field was deteriorating and becoming a safety hazard. Renovation of the field will improve user safety and playability by maintaining a uniform and consistent play field that increases traction, rotation & slip resistance, surface abrasion, stability, and impact-attenuation.
18	FAIRMOUNT PARK GOLF COURSE RENOVATIONS	Renovation of the golf course including the purchase of new maintenance equipment, and purchase/installation of new irrigation system equipment for the course and driving range. LED Lighting Improvements/Upgrades at Golf Course Driving Range. Will improve playability of course and driving range and improve visibility of the driving range for extended use in the evenings by the public, while also minimizing irrigation repairs needed and easing maintenance efforts.
20	FAIRMOUNT PARK ROSE GARDEN IMPROVEMENTS	Fairmount Park - Phase I - ADA and Gazebo Improvements (\$250,000) including Turf Replacement with ADA Decomposed Granite Walking Paths. Phase II - Landscape and Irrigation Water Conservation Improvements (\$175,000) including Grading, Drainage, Planting, Upgraded Controller and Drip Irrigation, and Furnishing Improvements. This project will refurbish & enhance existing facilities, expand accessibility for disabled users, and provide water conservation improvements by removing turf, installing water efficient drip irrigation, and installing a smart controller to substantially reduce the overall use of water.
21	GAGE CANAL TRAIL IMPROVEMENTS	Includes multiple phases of development of approximately 6.5 miles of the Gage Canal for recreational trail use as well as commuters using active transportation modes such as bicycles, skates, and scooters. The trail will have solar lighting and trees will line the corridor to provide shade and to sequester carbon for greenhouse gas reduction benefits. Other support amenities include seating, bike racks, map boards, and signs. Interpretive material will be included on the map boards to highlight the historic nature of the Gage Canal and its role in the citrus industry in the Inland Empire Region.
22	MOUNT RUBIDOUX PARK WALL EROSION REPAIRS	Mount Rubidoux Park - Erosion repairs to correct high surface runoff which eroded native embankment supporting a retaining wall and the asphalt roadway / grouted armoring protecting the road. This will benefit the public by providing safe pedestrian access and removing fall hazards.
23	MOUNT RUBIDOUX TRAIL LANDSCAPE IMPROVEMENTS	Installation of native plants behind rock retaining wall at base of trail on Carlson Park side. This project will provide additional erosion control and beautification to an existing City amenity.
24	SANATA ANA RIVER GATEWAY PROJECT	Multiple projects along the Santa Ana River, including (1) acquisition of 4 acres at 5200 Tequesquite Avenue in the City of Riverside in Riverside County, and (2) the preparation of design, engineering and other planning documentation needed for environmental review for 9 projects along 4.7 miles

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		of the Santa Ana River Parkway, from Fairmount Park to Martha McLean Anza Narrows Park. This project will expand on the parkland within the City as well as provide master plan documents for future parks and amenities when additional funding becomes available.
25	SYCAMORE CANYON WILDERNESS PARK TRAILHEAD	Design, CEQA, and construction for trailhead parking area for Sycamore Canyon Park. \$30,000 provided by SoCal Gas during their 2018 project, for new water domestic water service. This project will provide additional parking and access to trails and amenities within the Sycamore Canyon Wilderness Park.
26	TRAILS MASTER PLAN	The existing Trails Master Plan was completed in 1996 and should be updated every 10 years or so to adjust for Riverside's population and built environment growth and changes. The update will include an inventory of trails, analysis, community outreach, site assessments, and route network planning, and standard trail design updates.
<b>Electric</b>		
29	BIOGAS TO ENERGY	RPU desires to collaborate with the Public Works Department on a biogas-to-energy project by purchasing the biogas from the Regional Water Quality Control Plant (RWQCP) and using it as a fuel to run a set of microturbines to produce renewable electricity and generate renewable energy credits. The project is expected to produce tangible benefits to RPU, Public Works, the City, and the Riverside community while helping both departments to meet State and local requirements. The initial capacity of the biogas-to-energy project would be 2.2 megawatts (MW), with a future expansion potential up to 3.6 MW. The project will be interconnected to RPU's distribution system at 12 kV, providing power to the RPU distribution system.
37	GENERATING STATION	This project includes power plant facility upgrades and equipment replacements as a result of routine annual inspections. Replacement of major components and upgrades are necessary to provide reliable power. Priorities are determined by condition-based assessments and impact to plant's overall reliability.
<b>Railroad</b>		
79	MAGNOLIA/UNION PACIFIC GRADE SEPARATION	This location is along the Union Pacific (UP) and the project will reduce traffic congestion by eliminating the at-grade street intersection with the existing railroad lines. The construction of a grade separation will allow for an uninterrupted flow of vehicular traffic either above or below the railroad lines. Work includes the construction of an underpass for Magnolia Avenue and the UP railroad tracks, construction of temporary shoofly tracks, grading, retaining walls, and a multi-track concrete bridge structure to provide a four-lane roadway beneath the tracks.
<b>Sewer</b>		
83	MAGNOLIA AVE FORCEMAIN REHABILITATION	This project is to replace portions of the existing 30" diameter sewer forcemain on Magnolia from Pierce St to Banbury Drive.
98	WQCP CHLORINE CONTACT BASIN #2 AND #3 REHABILITATION	This project will provide modifications to CCB-2 and CCB-3 by providing a new ammonia analyzer, probes, Associated equipment, concrete walls, sidegates, 54-inch BFW, structural concrete and electrical work.
104	WQCP REHAB OF THE BIOSOLIDS EQUIPMENT AND PIPING	This project will replace the main dewatering centrifuge and install larger diameter piping to the sludge silos
105	WQCP REHAB OF THE MBR PROCESSING FACILITIES	This project is for the rehabilitation of the MBR Process Facility, Aeration Basin Diffusers, RAS Pump VFD's and RAS Box Lining.
<b>Storm Drain</b>		
109	14th ST UNDERPASS STORM DRAIN	This Project proposes to modify the existing 14th street underpass storm drain pump station and install an emergency portable pump in order to assist with the main pump system to alleviate storm water inundation at the underpass during a storm event. The work includes the addition of a retaining wall, concrete flat work, driveway, curb, gutter, and underground piping.
<b>Transportation</b>		
111	ACTIVE TRANSPORTATION PROGRAM CYCLE V*	This project will complete improvements in the neighborhoods surrounding the 'Five Points' intersection. Anticipated project components include the installation of new sidewalk segments, bicycle lane enhancements, high visibility, and diagonal crosswalks, and trail improvements along the Arlington Channel.
118	INDIANA WIDENING AT PIERCE	The Alford Unified School District (AUSD) intends to construct a new high school at the intersection of Indiana Avenue and Pierce Street. As a part of the project, AUSD will be constructing curb, gutter and sidewalk on the south side of Indiana Avenue between 400 feet westerly of Capriole Road and Sayward Circle, along the northwesterly side of Sayward Circle between Indiana Avenue and Inwood Drive, and at the terminus of Rainforest Drive. Additional improvements will include installation of traffic signals at the intersection of Indiana Avenue and Pierce Street and storm drain facilities in Pierce Street between Indiana Avenue and the Arlington Channel. AUSD will fully fund these improvements.
119	LARCHWOOD PLACE RECONSTRUCTION - BROCKTON AVE TO END OF STREET	Project to repair 1290' of concrete on Larchwood to Westerly Brockton Avenue to remove existing concrete pavement, remove invasive trees, reconstruct concrete driveways, curb & gutters, pedestrian ramp and construct storm drain improvements.
126	MISCELLANEOUS BRIDGE REPAIR	This project proposes to structurally analyze the existing bridge structures to recommend rehabilitate and/or repair overpasses as well as underpasses around the City to ensure safe passage.
132	OPEN STREET PLANS	Open streets events invite pedestrians and bicyclists to experience a street that has been closed to vehicular traffic for a day. The events typically include vendors, food trucks, music, and art throughout the closure, and are carried out in partnership with the businesses fronting the event

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		footprint. Key intersections remain as 'crossing points' for vehicles to keep the disruption to local traffic at a minimum. Riverside's events would be modeled after the successful 'CicLAvia' open streets events popularized by the City of Los Angeles.
133	ORANGE STREET WIDENING IMPROVEMENT PROJECT	This project will construct approximately 1550 LF of curb and gutter and rehabilitation of asphalt concrete pavement as well repairs of driveway and precast RCB culvert in Orange Street from Chase Road to Nash Street.
142	TRAFFIC SIGNAL POLE REPLACEMENT & RELOCATION	Replacement of aging 'slip-base' style poles and foundations, relocation and replacement of several poles routinely damaged by large vehicles completing turns. Locations include: Magnolia/Van Buren-Southwest Corner; Harrison/Magnolia-Northeast Corner; Hole/Magnolia-Southwest Corner; Magnolia/Mall-Southwest Corner; Hole/Tyler-Northeast & Southwest Corner; Mall N./Tyler; Mall S./Tyler- Southeast Corner; Magnolia/Tyler-All 4 Corners; Alessandro/San Geronio-Northeast corner; Brockton + Ramona.
143	TYLER WIDENING - WELLS TO HOLE	This Project will widen approximately one mile of Tyler Street between Hole and Wells Avenues to accommodate four travel lanes with a raised center median. Improvements include constructing a new concrete curb, gutter, and sidewalk, a raised and landscaped center median, storm drain modifications, streetlight installation, traffic signal modifications, and utility relocations.