

Capital Improvement Program

Planned Projects Summary

Fiscal Year 2023/24

2023/24 Ref No.	Funded Projects by Category	Reviewed by Planning Commission? (Yes/No)
	Airport	
1	AIRPORT TAXIWAY A REHABILITATION	Yes
	Electric	
2	ADVANCED DISTRIBUTION MANAGEMENT SYSTEM	Yes
3	ADVANCED METERING INFRASTRUCTURE	Yes
4	CABLE REPLACEMENT	Yes
5	CITYWIDE COMMUNICATIONS	Yes
6	DISTRIBUTION AUTOMATION	Yes
7	DISTRIBUTION LINE EXTENSIONS	Yes
8	ENTERPRISE OPERATION DATA MANAGEMENT SYSTEM	Yes
9	GENERAL ORDER 165 UPGRADES/LINE REBUILDS/RELOCATION - OVERHEAD	Yes
10	GENERATING STATION	Yes
11	LAND MOBILE RADIO	Yes
12	LINE REBUILDS	Yes
13	MAJOR 4-12 KV CONVERSION	Yes
14	MAJOR FEEDERS	Yes
15	MAJOR OVERHEAD / UNDERGROUND CONVERSIONS	Yes
16	MAJOR STREETLIGHT PROJECTS	Yes
17	MAJOR TRANSMISSION LINE PROJECTS	Yes
18	METERS	Yes
19	MOBILE APPLICATIONS	Yes
20	NEIGHBORHOOD STREETLIGHT RETROFIT	Yes
21	NETWORK COMMUNICATION SYSTEM	Yes
22	OPERATIONAL TECHNOLOGY GOVERNANCE	Yes
23	OUTAGE MANAGEMENT SYSTEM	Yes
24	SERVICES	Yes
25	SOUTHERN CALIFORNIA EDISON (SCE) CONDEMNATION COSTS	Yes
26	STREET LIGHTING	Yes
27	SUBSTATION BUS & UPGRADES	Yes
28	SUBSTATION TRANSFORMER ADDITION	Yes
29	SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)	Yes
30	SYSTEM SUBSTATION MODIFICATIONS	Yes
31	TRANSFORMERS	Yes
32	WORK, ASSET, & INVENTORY MANAGEMENT SYSTEMS	Yes
	Municipal Buildings and Facilities	
33	ANALOG SIMULCAST COMMUNICATION SYSTEM	No
34	ARLANZA LIBRARY ROOF REPAIRS	No
35	ARLINGTON LIBRARY ROOF REPAIRS	No
36	CITY ATTORNEY'S OFFICE OFFICE RENOVATIONS	No
37	CITY BUILDINGS DEFERRED MAINTENANCE	Yes
38	CITY HALL TRANSMISSION SWITCH	No
39	CONVENTION CENTER CHILLER	No
40	EASTSIDE LIBRARY	Yes
41	GENERATOR REPLACEMENT/REPAIRS - PUBLIC SAFETY FACILITIES	No
42	HERITAGE HOUSE MAJOR MAINTENANCE	No
43	MUSEUM EXPANSION & REHABILITATION	Yes
44	ORANGE TERRACE LIBRARY HVAC	No
	Parks, Recreation and Community Services	
45	BORDWELL PARK HVAC REPLACEMENTS	No

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46	BORDWELL PARK PLAYGROUND SURFACE COATING	No
47	BOURNS YOUTH INNOVATION CENTER FLOORING	No
48	CAESAR CHAVEZ ART CENTER	No
49	GAGE CANAL TRAIL FITNESS STATIONS	No
50	MARCY LIBRARY OFFICE RENOVATIONS	No
51	MARTHA MCLEAN PARK VEHICULAR ACCESS BARIERS	No
52	PARKS DEFERRED MAINTENANCE	No
53	WARD 3 ADA IMPROVEMENTS	No
	Public Parking	
54	GARAGE LED LIGHTING UPGRADE	Yes
	Sewer	
55	DEXTER WASTEWATER	Yes
56	FAIRGROUNDS WASTEWATER	Yes
57	PIERCE STREET SANITARY SEWER PUMP STATION STUDY	Yes
58	PRIORITY PIPELINE ASSESSMENT & REPAIR	Yes
59	SEWER MAIN REPLACEMENT - KMART LOT	Yes
60	SEWER MAIN REPLACEMENT - PALM & RUBIDOUX	Yes
61	SEWER MAIN REPLACEMENT - PALM AVENUE	Yes
62	SEWER MAIN REPLACEMENT - RUBIDOUX AVENUE	Yes
63	SEWER MAIN REPLACEMENT - RUTLAND AVENUE	Yes
64	SEWER MAIN REPLACEMENT - SANTA ANA RIVER TRAIL	Yes
65	SEWER MAIN REPLACEMENT - WEST RUTLAND AVENUE	Yes
66	SEWER PIPE REPLACEMENT - ARLINGTON VALLEY CHANNEL	Yes
67	SEWER PIPE REPLACEMENT - GOLDEN AVENUE	Yes
68	SEWER PIPE REPLACEMENT - MORRIS STREET	Yes
69	WATER QUALITY CONTROL PLANT - 3D GIS ASSET MANAGEMENT	Yes
70	WATER QUALITY CONTROL PLANT - ACTIVATED TREATMENT TRAIN REHABILITATION	Yes
71	WATER QUALITY CONTROL PLANT - DAFT REHABILITATION	Yes
72	WATER QUALITY CONTROL PLANT - HEADWORKS AREA REHABILITATION	Yes
73	WATER QUALITY CONTROL PLANT - MEMBRANE BIOREACTOR TANK WALL REHAB	Yes
74	WATER QUALITY CONTROL PLANT - PLANT II SLUDGE PUMPS I & II REHABILITATION	Yes
75	WATER QUALITY CONTROL PLANT - SCADA INFRASTRUCTURE REPLACEMENT	Yes
76	WATER QUALITY CONTROL PLANT - SECURITY UPGRADES PHASE III	Yes
77	WATER QUALITY CONTROL PLANT - SWITCHGEAR REPLACEMENT	Yes
78	WATER QUALITY CONTROL PLANT - UPGRADE FLOW METERS TO ELECTROMAGNETIC METER	Yes
79	WATER QUALITY CONTROL PLANT - WAREHOUSE BUILDING REPLACEMENT	Yes
80	WATER QUALITY CONTROL PLANT - WI-FI PHASE III	Yes
81	WOOD ROAD SANITARY SEWER PUMP STATION GRAVITY SYSTEM STUDY	Yes
	Storm Drain	
82	MASTER DRAINAGE PLAN - LINE D STORM DRAIN	No
83	MASTER DRAINAGE PLAN - LINE E1 STORM DRAIN	No
84	MISCELLANEOUS STORM DRAIN CONSTRUCTION	Yes
	Transportation	
85	ARTERIAL INTERCONNECT MAINTENANCE & REPLACEMENT	Yes
86	CDBG STREET IMPROVEMENTS - MATCHING FUNDS	Yes
87	CONTROLLER ASSEMBLY REPLACEMENT	Yes
88	CURB & GUTTER REPAIRS	Yes
89	LED SIGNAL LENS REPLACEMENTS	Yes
90	MAJOR STREETS REHABILITATION	Yes

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91	MINOR STREET PRESERVATION	Yes
92	MINOR STREET REHABILITATION	Yes
93	MISCELLANEOUS BRIDGE REPAIR	Yes
94	MISCELLANEOUS SIGNAL REVISIONS	Yes
95	MISCELLANEOUS STREET CONSTRUCTION	Yes
96	MISCELLANEOUS TRAFFIC PROJECTS	Yes
97	NEW TRAFFIC SIGNAL INSTALLATIONS	Yes
98	PAVEMENT REHABILITATION & IMPROVEMENTS	Yes
99	PEDESTRIAN RAMPS	Yes
100	RMRA REHABILITATION & TRAFFIC IMPROVEMENTS	Yes
101	RUSTIN AVENUE SIDEWALK IMPROVEMENTS	No
102	SIDEWALK REPAIR PROGRAM	Yes
103	SIDEWALK/TRAIL CONSTRUCTION	Yes
104	TRAFFIC DETECTION REPLACEMENT PROGRAM	Yes
105	TRAFFIC MANAGEMENT CENTER	Yes
106	TRAFFIC SIGNAL COMMUNICATION EQUIPMENT	Yes
107	TRAFFIC SIGNAL PREEMPTION DEVICE REPLACEMENT	Yes
108	VEHICLE MILES TRAVELED MITIGATION STUDY	No
	Water	
109	ADVANCED METERING INFRASTRUCTURE	Yes
110	DISTRIBUTION AUTOMATION/RELIABILITY	Yes
111	DISTRIBUTION SYSTEM FACILITIES REPLACEMENTS	Yes
112	FACILITY REHABILITATION PROGRAM	Yes
113	HYDRANT CHECK VALVES	Yes
114	MAIN REPLACEMENTS PROGRAM	Yes
115	METERS	Yes
116	OPERATIONAL TECHNOLOGY GOVERNANCE	Yes
117	POTABLE/IRRIGATION WELL REPLACEMENTS	Yes
118	SCADA UPGRADE & SYSTEM AUTOMATION	Yes
119	SYSTEM EXPANSION	Yes
120	TRANSMISSION MAINS	Yes
121	WATER STOCK	Yes
122	WORK, ASSET, & INVENTORY MANAGEMENT SYSTEMS	Yes

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2023/2024 Ref No.	Funded Projects By Category	Project Description
Municipal Buildings and Facilities		
33	ANALOG SIMULCAST COMMUNICATION SYSTEM	This project is for the purposes of upgrading and install new analog radio equipment for emergency services in existing transmitting locations throughout the City. The current system is at the end of its useful life and is in need of replacement so that there will be no lapse in coverage for emergency services throughout the City.
34	ARLANZA LIBRARY ROOF REPAIRS	This project is for the purposes of repairing the library roof. This project involves a complete roof inspection and evaluation to determine the needs of the roof in order to extend its useful life. Major components of the roof repair will likely be seam repairs, roof drain replacements, areas that have shown the potential for failures, and other worn areas that are nearing the end of their useful life.
35	ARLINGTON LIBRARY ROOF REPAIRS	This project is for the purposes of repairing the library roof. This project involves a complete roof inspection and evaluation to determine the needs of the roof in order to extend its useful life. Major components of the roof repair will likely be seam repairs, roof drain replacements, areas that have shown the potential for failures, and other worn areas that are nearing the end of their useful life.

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36	CITY ATTORNEY'S OFFICE OFFICE RENOVATIONS	This project is for the office wide renovation and modernization of the City Attorney's Office. This project involves transforming the existing office library into a multi-purpose room, transforming the existing copy room to into a trial preparation room, and transforming the existing conference room into an office space. In addition, the project addresses critical infrastructure needs, including making necessary repairs throughout the office to address safety hazards and modernizing the work environment to upgrade/modify existing workspaces to ensure safe, adequate, and appropriate facilities to meet the current operational needs of the office.
38	CITY HALL TRANSMISSION SWITCH	This project is for the removal and replacement of the power generator switch for City Hall. The purpose of the switch is to allow for a seamless power switchover during outages for computer servers and other public safety needs of City Hall.
39	CONVENTION CENTER CHILLER	This project is for the replacement of one Daikin Water-Cooled Chiller for the Riverside Convention Center. Installation will be performed in-house by General Services staff. There are two chillers at the Convention Center, however, one chiller has been inoperable since 2017 and unable to be repaired, resulting in excessive wear and tear on the second chiller, with no back up chiller in the event of equipment failure. As the Convention Center cannot be without proper ventilation or the ability to cool all spaces within the facility to maintain a safe and comfortable environment for revenue generating meetings and events, the Convention Center has been renting a temporary back-up chiller, pending replacement of the inoperable chiller.

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41	GENERATOR REPLACEMENT/REPAIRS - PUBLIC SAFETY FACILITIES	This project is for the replacement of outdated generators, transfer switches, ancillary equipment, and electrical components. This project will remove and replace any structural components, finishes and install factory weatherproof housings to protect the new equipment. The replacements will take place at Fire Stations 4, 7, 8, 9, and 10. The generator at the Magnolia Police Station will be refurbished in order to bring it up to proper working order.
42	HERITAGE HOUSE MAJOR MAINTENANCE	Heritage House is a restored Queen Anne Victorian home on Magnolia Avenue. The house was originally built in 1891 and represents a typical orange growers' home when the citrus industry boomed in Riverside. The house has become in dire need of repairs that will be undertaken with supervision of City staff. The repairs scheduled to include fencing, security enhancements, exterior lighting, heating/ventilation/air conditioning replacement, exterior wood repairs, ADA accessible elevator, exterior wiring, period lighting, and painting (interior and exterior). The repairs will restore this historical venue back to its original state for the purposes of showcasing it.
44	ORANGE TERRACE LIBRARY HVAC	This project is for repairing and replacing portions of the library's heating, ventilation, and air conditioning (HVAC) systems. The project will evaluate the operational condition of the entire HVAC system and determine what is needed for replacement and/or repair. Potential areas that will require replacement or repairs are compressors, condenser units, electrical wiring and switches, and other environmental needs in order to bring the system into regulatory compliance with all pollution regulations.
Parks, Recreation and Community Services		

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2023/2024 Ref No.	Funded Projects By Category	Project Description
45	BORDWELL PARK HVAC REPLACEMENTS	This project is for the replacement of seven heating, ventilation, and air conditioning (HVAC) systems at Bordwell Park. The existing HVAC units use refrigerant that is no longer manufactured but is required to keep the air conditioning system operating efficiently and compliant with current environmental regulations. The upgraded systems will allow for Bordwell Park buildings to be utilized as cooling centers in extreme heat conditions and continue to operate safely for those youth groups that utilize the buildings for pre-school and other childcare activities.
46	BORDWELL PARK PLAYGROUND SURFACE COATING	This project is for the application of roll coating to the playground surface at Bordwell Park. The roll coat strengthens the surface, adds ultraviolet protection, brighten the look of colors, while also helping prevent cracks, holes, and granulation of the surface. The surface coating will also extend the useful life of the playground.
47	BOURNS YOUTH INNOVATION CENTER FLOORING	This project will prepare the subfloor and install moisture barrier in preparation for new flooring. The moisture mitigation work is required to qualify for the manufacturer's warranty on the new flooring. After completion, new flooring will be installed in the Youth Innovation Center.
48	CAESAR CHAVEZ ART CENTER	This project is for the renovation of the 45,000 square foot Cesar Chavez Community Center into an Academy for the Arts Community Center. Improvements within the community center are to include LED lighting, sound barriers, electrical upgrades, Wi-Fi hot spots, Bluetooth audio system and storage.

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49	GAGE CANAL TRAIL FITNESS STATIONS	This project is for the installation of exercise stations along the 2-mile active transportation and recreational greenery of the Gage Canal Trail (Phase 1). This trail will provide a dedicated off-street trail and bike path connection between Palmyrita Avenue, in the Hunter Business Park area, and Blaine Street, at the UC Riverside Sports Complex. The addition of exercise stations will enhance the functionality of the trail and provide opportunities for physical fitness and wellness activities.
50	MARCY LIBRARY OFFICE RENOVATIONS	This project is for the reconfiguration and renovation of the existing Parks & Recreation offices on the second floor of the Marcy Library. The project will add more modern and upgraded office space and cubicles for additional staff.
51	MARTHA MCLEAN PARK VEHICULAR ACCESS BARIERS	This project's purpose is to add additional security measures by limiting the vehicular that traffic that is allowed to enter Martha McLean Anza Narrows Park. The main addition will be vehicular access gates that will prevent unauthorized vehicles from entering and exiting the park and accessing the adjacent Santa Ana River Trail system.
52	PARKS DEFERRED MAINTENANCE	This project was created to updated playground improvements, along with heating/ventilations/air conditioning, flooring, and parking lot repairs and various City facilities based on needs-based prioritization schedule. The facilities will be ranked with the highest needs and the funding, (which \$10 million was allocated from the American Rescue Plan Act funding) will be directed to those facilities. The funding will be spread throughout all City wards, focusing on the highest needs within each ward.
53	WARD 3 ADA IMPROVEMENTS	This project is for the design and construction of ADA accessibility improvements throughout Ward 3 Parks, including landscape and irrigation modifications to address priority barriers.

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Storm Drain		
82	MASTER DRAINAGE PLAN - LINE D STORM DRAIN	This project will construct approximately 4,150 linear feet of new 60" and 78" storm drain pipes from the intersection of 3rd Street and Kansas Streets to 4th Street, and west on 4th Street to Commerce Street and south on Commerce Street to Mission Inn Avenue.
83	MASTER DRAINAGE PLAN - LINE E1 STORM DRAIN	This project will construct approximately 4,200 linear feet of new storm drain pipes between John Street and Harrison Street on Dufferin Avenue, heading west to John Street. The line would then head north on John Street to Victoria Avenue, then head east to connect to the existing City storm drain. The Reinforced concrete pipe diameter size varies from 18" to 78".
Transportation		
101	RUSTIN AVENUE SIDEWALK IMPROVEMENTS	This project will construct the missing segments of concrete sidewalk on the east side of Rustin Avenue, from mid-block to Spruce Street.
108	VEHICLE MILES TRAVELED MITIGATION STUDY	The City of Riverside does not have a mitigation program for projects to participate and contribute their fair share to reducing the project's Vehicle Miles Traveled (VMT) impacts. The City of Riverside seeks to create a VMT fees, bank & mitigation program to help streamline the development process and facilitate project mitigation in City of Riverside. The VMT Mitigation Program will assess and pilot a possible VMT "banking", "fee", or "exchange" framework that would allow developers and institutions whose projects would lead to VMT increases to offset such increase through payment of fees toward, or direct implementation of, projects that will lessen VMT. The development of the VMT Mitigation Program will include public input from local stakeholders and community outreach to gain more insight on the challenges and opportunities associated with the program.