



REPORT TO CITY COUNCIL

Approved by:

Keith Helmuth, City Engineer

Arnoldo Rodriguez, City Manager

Council Meeting of: August 2, 2023

Agenda Number: A-1

SUBJECT:

Workshop - Continuation of Presentation of the Draft Fiscal Year (FY) 2023/24 to FY 2027/28 Capital Improvement Program (CIP) - Fire, Parks, Sewer and Water

RECOMMENDATION:

Consider the information presented and provide input and direction on the 5-year CIP for fire, parks, sewer and water projects

SUMMARY:

This is the second of two workshops covering the draft CIP for FY 2023/24 to FY 2027/28. This presentation focuses on fire, parks, sewer and water projects.

Preparation and approval of the CIP is an annual process. The CIP for FY 2023/24 to FY 2027/28:

- Lists the proposed projects for funding of design, right of way costs, and construction
- Updates the status of proposed projects to be funded in the four years after FY 23/24
- The CIP must be submitted to the Planning Commission for determination of conformity of those projects not previously conformed with the City's General Plan pursuant to Government Code Section 65401
- The projects in FY 2023/24 are included in the City's FY 2023/24 Budget

DISCUSSION:

The CIP is a planning document for capital improvement projects that covers a rolling five-year period. Critical projects are identified and defined so that resources can be assigned to implement the projects. The CIP also provides a comprehensive presentation of all funding sources that support capital projects and many of the operational programs supported by these same funding sources.

This past year, the City considered increases to the sewer, water, storm drainage, and solid waste utility charges based on operational and capital needs to maintain the system and meet the current and proposed needs of the community. The Utility Rate Studies included 5 to 10 years of capital projects for each category and any known funding sources, such as impact fees or the American Rescue Plan Act (ARPA) funds. Following a Proposition 218 process, the City successfully adjusted the fees for sewer, water, and solid waste.

PROJECT SELECTION PROCESS:

Projects are included in the CIP for a variety of reasons. Some of the more common include:

- They are identified along with targeted completion dates in adopted master plans and technical studies.
- They are necessary to support City growth.
- They developed from Community input to Council or staff.

The CIP will generally focus on those projects where funding is available or anticipated to be so within the five-year window. Because there is a perennial need for more capital improvements than can be funded, not all potential projects are included in years beyond the next fiscal year in the CIP unless there is a reasonable assumption that funding will be identified. Funding source limitations play a significant role in determining which projects can be constructed and the projected construction timeline.

Most sources, whether Federal, State, or local grants and/or local development impact fees, can only be used for projects meeting certain criteria. Prioritization of many projects is therefore impacted by their respective funding sources.

PROJECT PRIORITIZING PROCESS:

Updating the CIP is a fluid process that ties closely to related funding sources and staff resources. The prioritization of projects is based on Council direction and shared departmental feedback of projects from Engineering, Public Works, Parks & Community Services, Transit, Grants, Fire & Police Departments, and Airport.

Project delivery is also influenced by unexpected or unforeseen circumstances within specific projects or other demands created by other planned or unplanned projects. As an example, City project managers may be designing a road or street improvement when their services are needed to complete grant applications, address an emergency repair, or to accommodate the continuing uptick in private development activity. Occasionally, a project may be delayed to accommodate other CIP projects in the same vicinity. For example, the pavement improvement planned for Clinton Street as part of R-000081 is being held back by planned sewer and water improvements that were recently funded by CDBG.

PROJECT DELIVERY:

In October of 2022, the City entered into ten on-call engineering service agreements to provide engineering services as needed for the City. These contracts are also available for other departments to assist in their capital project needs. To date, 12 task orders have been issued related to 15 CIP projects totaling \$1,230,000 in fees, well below the \$3,000,000 cap per year. Having the on-call agreements in place has allowed staff to accelerate delivery of many projects with tight deadlines.

PROJECTS:

Key projects in the CIP covered in this workshop are identified below by project type listed in Table 1.

Table 1: Project Type List	
1.	Public Facilities
2.	Parks
3.	Sewer
4.	Water
5.	RDA Successor Agency

1. PUBLIC FACILITIES

Fire

- Fire Station 56 Upgrades & Improvements (FD-00004)
- Fire Station 57 Upgrades & Improvements (FD-00005)

Police

- Police Station Parking Lot (PD-00001)

2. PARKS PROJECTS

Projects completed or underway include:

- Demolition of Structures at India Park (Project PK-00064)
- Fresno River Trail Cleanup (Project PK-00076)
- McNally Park Rehabilitation (Project PK-00073)

Projects near design completion with anticipated construction FY 2023/24:

- James Taubert Park (Olive Park Project No. PK-00067)
- Lions Town and County Park
 - Restrooms

Three projects received Community Development Block Grant (CDBG) funds:

- McNally Park Rehabilitation (Project PK-00073)

- Centennial Park Pool Complex Amenities (Project PK-00065)
- Frank Bergon Center (Project PK-00077)

3. SEWER PROJECTS

The emergency repair of the Avenue 13 trunk main collapse at Granada Drive became the top priority project for FY 2022/23. Progress continued on design for the larger CIP project to line the entire pipeline from Granada Drive west to the wastewater treatment plant (WWTP)(Project SS-14). The City was also successful in securing additional funding for that project such that both phases 1 and 2 can be constructed now. The project should be out to bid this fall. Phase 3 is outside of the five year CIP.

Staff is focused on delivering ARPA funded projects that have a deadline for expenditure or encumbrance of December 2024:

- Fairgrounds Lift Station Improvements (Project SS-6)
- Schnoor Trunk Main Improvements from the Fairgrounds lift station to 4th Street (Project S-12)
- 2018 Sewer Main Repair/Rehab Priority Lines (Projects SS-8 and SS-9)
- Five Projects in Table 2 were added to CIP for the WWTP. Through the on-call contract, AMCE was hired to prioritize the projects and prepare a Request for Proposals for the preparation of design and specifications for these improvements.

Table 2: WWTP Projects in five-year CIP		
Project		Costs
WWTP23-01	2 New Centrifuge Units	\$1,268,000
WWTP23-02	Headworks and Pipeline CIPP lining	\$1,200,000
WWTP23-03	Gravity Belt Sludge Thickener	\$778,000
WWTP23-04	WWTP Perimeter Fencing	\$348,000
WWTP23-05	Waste Gas Flare Unit	\$663,000

4. WATER PROJECTS

The focus for FY 2023/24 is on delivering projects with ARPA funds:

- Cook Tank Exterior Painting and Seismic Retrofit (Project W-34)
- Cook Tank Interior Recoating (Project W-22)
- Several pipeline Replacement Projects (Projects W-3,4,39,40,41,and 43)
- The New Northeast Water Storage Tank (Project W-T-001, W-PS-001, W-37)
- Continued installation of water meters (Project W-32)

The new well on Granada Drive north of Cleveland Avenue, Well 37 (Project W-GW-01), is funded primarily with impact fees. Activities in FY 2023/24 included testing of the well and

rehabilitation of the well casing. The contract for equipping the well to bring in on line will be advertised for construction in FY 2023/24.

5. RDA SUCCESSOR AGENCY

The FY 2023/24 Recognized Obligation Payment Schedule (ROPS) includes the following projects:

- RDA 16-01 Adell Street Utility Project
- RDA 16-07 Adelaide Subdivision
- RDA 17-02 Yosemite Lot Development

GENERAL PLAN CONFORMITY:

Prior to the City Council's adoption of the annual CIP update, the California Government Code requires a determination that the CIP is in conformance with the City's General Plan. This determination is made by the Planning Commission. At a future meeting, upon presentation of the entire CIP, Staff will recommend Council's direction that it be submitted to the Planning Commission.

FINANCIAL IMPACT:

Funding for the projects in the CIP comes from a variety of sources and typically does not rely on the General Fund.

ALTERNATIVES:

Given the breadth of the projects contained in the CIP, the number of possible alternatives is significant. Council has the authority to adjust all aspects of the project priorities and schedules.

ATTACHMENTS:

1. Draft Capital Improvement Program FY 2023/24 to 2027/28 Project List (Full CIP with project details will be delivered under separate cover)

Attachment 1

Draft Capital Improvement Program
FY 2023/24 to 2027/28 Project List

Capital Improvement Pr

Projects By Department

Department	Project #	'23/'24	'24/'25	'25/'26	'26/'27	'27/'28	Total
Airport							
AIP-0028 T-Hangar Development Phase 1	AIP-0028		0			1,071,000	1,071,000
AIP-0029 Tee Hangar Development Const-II	AIP-0029	0	0	0	0	0	0
AIP-0031 Apron & Taxiway Drainage	AIP-0031	1,087,000					1,087,000
AIP-0034 Commercial Hangar Develop Extend-III	AIP-0034		0				0
AIP-0040 RUNWAY 12-30 MILL AND FILL	AIP-0040	297,000	3,213,000				3,510,000
AIP-0042 Taxiway Mill & Fill	AIP-0042	297,000					297,000
AIP-0043 Airport Layout Plan	AIP-0043			125,000			125,000
Airport Layout Plan Narrative	AIP-0045	110,000					110,000
Airport Total		1,791,000	3,213,000	125,000	0	1,071,000	6,200,000
Community Development							
CD-00001 City Hall Relocation & Expansion	CD-00001					500,000	500,000
Community Development Total						500,000	500,000

Capital Improvement Pr

Projects By Department

Department	Project #	'23/'24	'24/'25	'25/'26	'26/'27	'27/'28	Total
Engineering							
ALY-0001 Torres Way Alley Paving	ALY-0001	271,000					271,000
ALY-0003 2021 CMAQ Alley Paving Project	ALY-0003	823,900					823,900
B-000002 Westberry Bridge Construction	B-000002	600,000	100,000	110,000	200,000		1,010,000
B-000004 BPMP Rehab/Repair of 3 Bridges	B-000004	230,000					230,000
B-000005 Granada Pedestrian Bridge	B-000005	230,000	180,000	2,090,000			2,500,000
B-000006 CLARK STREET BRIDGE	B-000006	70,000	583,000				653,000
CD-00002 Engineering Front Counter ADA Upgrades	CD-00002	25,000					25,000
ENG A Federal/State-Local Match	ENG A		80,000	80,000	80,000	80,000	320,000
ENG F CIP Engineering	ENG F	581,360	593,000	611,000	629,000	648,000	3,062,360
ENG-000C Traffic Warrants	ENG-000C	25,000	25,000	25,000	25,000	25,000	125,000
ENG-000G Micro-Paver Distress Survey	ENG-000G	150,000			100,000		250,000
MUP-UDII Master Utility Plan Update, II	MUP-UDII		1,050,000				1,050,000
R-000010 Olive Ave Widening-Gateway to Knox	R-000010	6,918,000					6,918,000
R-000031 Misc. Transportation Projects/Planning	R-000031	184,840	188,000	194,000	200,000	206,000	972,840
R-000032 UPPR Crossing - Street Approach	R-000032	80,000	80,000	80,000	80,000	80,000	400,000
R-000037 Raymond Rd Shoulder-n/o Cleveland	R-000037	208,600					208,600
R-000041 Concrete Projects - Share Program	R-000041	20,000	20,000	20,000	20,000	20,000	100,000
R-000046 Lake St Widening-Fourth to Cleveland	R-000046		400,000	400,000	7,200,000		8,000,000
R-000050 Pine St Reconstr-Howard to Fourth St	R-000050		50,000	540,000			590,000
R-000054 Cleveland Ave Widen-Schnoor to SR99	R-000054		360,000		4,000,000		4,360,000
R-000057 Lake-Fourth-Central Intersection	R-000057	1,157,000	15,500				1,172,500
R-000058 Schnoor Ave Sidewalk-Sunset to River	R-000058	269,800					269,800
R-000060 Storey Rd Shoulder Paving	R-000060	405,450					405,450
R-000064 ADA Walkability Sidewalks Program	R-000064	40,000	80,000	80,000	80,000	80,000	360,000
R-000067 Pecan Ave Shoulder Paving	R-000067	597,770					597,770
R-000072 Ave 17/Sharon Blvd Improvements	R-000072	5,310,910					5,310,910
R-000079 RMRA Seals/Overlays 2021-22	R-000079	2,300,000					2,300,000
R-000080 RMRA Seals/Overlays 2022-23	R-000080	2,100,000					2,100,000
R-000081 2022-23 City Streets 3R & ADA Project	R-000081	1,487,000					1,487,000
R-000082 Almond Ave Extension - Pine to Stadium	R-000082	345,000	200,000	6,100,000			6,645,000
R-000087 Almond/Pine/Stadium Traffic Study	R-000087	120,000					120,000
R-000093 Washington School Sidewalks CMAQ	R-000093	423,050					423,050
R-000094 Sidewalk Improvements Var Locations	R-000094	2,262,500					2,262,500
R-000096 Caltrans Downtown Madera CAPM Project	R-000096		3,000,000				3,000,000
R-000097 CLINTON AVE SEWER & WATER IMPROVE	R-000097	1,040,000					1,040,000
R-000098 - RMRA Seals/Overlays 2023-24	R-000098	1,595,479					1,595,479
R-000099 - FY24 STREET REHAB AND RECON PROJE	R-000099	1,200,000	1,200,000				2,400,000
S-000012 Schnoor Ave Trunk Sewer Rehab	S-000012	100,000	1,080,000				1,180,000
S-000995 Road 28 Sewer Loan Repayment	S-000995	4,000	4,000	4,000	311,676	311,676	635,352
S-000996 Southeast Quad Sewer Improvement	S-000996			455,000			455,000
S-000997 Northeast Quad Sewer Improvement	S-000997				208,602		208,602
S-000998 Northwest Quad Sewer Improvement	S-000998				352,000		352,000
S-000999 Reimbursements - Sewer Construction	S-000999			100,000			100,000
SD-00017 G St Storm Drain Improvements	SD-00017		118,410	51,590	1,361,500		1,531,500

Capital Improvement Pr

Projects By Department

Department	Project #	'23/'24	'24/'25	'25/'26	'26/'27	'27/'28	Total
SD-00018 Sunset Avenue Pipeline	SD-00018	431,500	3,162,800				3,594,300
SD-00021 HOWARD ROAD STORM DRAIN PIPE	SD-00021		927,600	7,219,250			8,146,850
SD-000997 NW Quad Storm Drain Improvement	SD-000997				7,400,000		7,400,000
SD-000998 SE Quad Storm Drain Improvements	SD-000998				17,500,000		17,500,000
SD-13-PX Retention Basin Land Acquisition	SD-13-PX	70,000	40,000	40,000	40,000		190,000
SD-14-P11 Granada Dr/Ave 12.5 Retention Basin	SD-14-P11	100,000					100,000
SD-15-P7 Ellis St/Krohn St Retention Basin	SD-15-P7	100,000					100,000
SS-00000 Engineering Support for Sewer Projects	SS-00000	28,500	28,500	28,500	28,500	28,500	142,500
SS-00006 Fairgrounds Liftstation-VFD	SS-00006	200,000	1,480,000				1,680,000
SS-00008 2018 Sewer Manhole Project	SS-00008	150,000					150,000
SS-00009 2018 Sewer Repairs	SS-00009	270,000	2,632,000				2,902,000
SS-00010 Airport Lift Station Pumps Replacement	SS-00010	18,000	162,000				180,000
SS-00011 Mainberry Sewer - Howard to Sunset	SS-00011	105,000	440,000				545,000
SS-00012 Doubletree Sewer - Westberry to Liberty	SS-00012	175,000					175,000
SS-00013 Pecan Ave Parallel Sewer Main	SS-00013			3,850,061			3,850,061
SS-00014 Avenue 13 Sewer Trunk Main Rehabilitation	SS-00014	8,600,000	10,000	10,000	3,350,000		11,970,000
SS-00015 SEWER LIFT STATION R&R	SS-00015	170,000					170,000
S-STDY-1 Sewer System Assess/Rehab Phase 2	S-STDY-1	140,563					140,563
S-STDY-2 Sewer Asset Mgmt Software	S-STDY-2		75,000				75,000
S-VI-002 Sewer Main Video Inspection Phase 2	S-VI-002	695,000	150,000	150,000	150,000	150,000	1,295,000
TS-00022 4th St Traffic Signal Interconnect	TS-00022	13,300					13,300
TS-00023 HOPYQ Intersection Traffic Signals	TS-00023	203,000					203,000
TS-00024 Cleveland/Granada Dr Traffic Signal	TS-00024	539,000					539,000
TS-00030 Miscellaneous Traffic Safety Items	TS-00030	20,000	20,000	20,000	20,000	20,000	100,000
TS-00032 D St/South St Traffic Signal	TS-00032	620,000					620,000
TS-00034 Granada Dr Pedestrian Improvements	TS-00034	129,760					129,760
TS-00035 LAKE & SHERWOOD TRAFFIC SIGNAL	TS-00035	662,000					662,000
W-00000 Engineering Support for Water Projects	W-00000	28,500	28,500	28,500	28,500	28,500	142,500
W-00003 Water Main Upgrades - Locations 1-12	W-00003	230,000	835,000				1,065,000
W-00004 Water Main Upgrades - Locations 13-23	W-00004	250,000	2,450,000				2,700,000
W-00006 H St-Water Main Upgrades	W-00006	40,000	450,000				490,000
W-00008 10th St-Water Main Upgrades	W-00008	40,000	1,090,000				1,130,000
W-00009 Gateway-Riverside River Crossing	W-00009	440,000					440,000
W-00026 Water Tower Demolition	W-00026	695,000					695,000
W-00031 Manual Read Water Meter Replacements/AMR	W-00031	1,184,500	990,000	235,000			2,409,500
W-00032 2018-19 New Water Meter Installations	W-00032	1,763,000					1,763,000
W-00033 Residential AMR Water Meter Replacements	W-00033	604,000	1,040,000	1,040,000	575,000		3,259,000
W-00037 Northeast Water Transmission Main	W-00037	430,000	3,025,200				3,455,200
W-00038 Well 27 Rehabilitation	W-00038	65,000	289,200				354,200
W-00039 2022 Year 2 Pipeline Replacements	W-00039	179,000	1,730,000				1,909,000
W-00040 2021 Year 1 Pipeline Replacements	W-00040	186,000	1,800,000				1,986,000
W-00041 2021 Leak Detection CIP	W-00041	134,000					134,000
W-00043 SR145 WATER MAIN REPLACEMENTS	W-00043	841,900					841,900
W-GW-001 Water Well 37-Install Pump	W-GW-001	1,570,000					1,570,000
W-GW-002 Water Well 35-Ellis w/o Chapin	W-GW-002				2,500,000		2,500,000
W-GW-0024 Sharon Blvd. S/O Ave 17 - Well	W-GW-0024	1,000,000					1,000,000

Capital Improvement Pr

Projects By Department

Department	Project #	'23/'24	'24/'25	'25/'26	'26/'27	'27/'28	Total
W-GW-003 Water Well 36- SR145/Indigo	W-GW-003	120,000		2,200,000			2,320,000
W-PNE-04 Lake St Water Main-Ellis to Ave 17	W-PNE-04	85,000	615,000				700,000
W-PS-001 Ave 17 & Lake Pump Station/Tank	W-PS-001	462,000	6,270,000				6,732,000
W-PSW-45 Almond Ave Water Main, Pine-Stadium	W-PSW-45	88,000	188,000				276,000
W-STDY-2 Water System Condition Assess/Rehab	W-STDY-2	296,000					296,000
W-STDY-3 Water Asset Mgmt Software	W-STDY-3		150,000				150,000
W-T-0001 Water Storage Tank Installation	W-T-0001	9,000,000					9,000,000
Engineering Total		64,348,182	39,485,710	25,761,901	46,439,778	1,677,676	177,713,247
Fire Department							
FD-00004 Fire station 56 Upgrades & Improvements	FD-00004	100,000					100,000
FD-00005 Fire station 57 Upgrades & Improvements	FD-00005	100,000					100,000
FD-00006 Fire station 58 Upgrades & Improvements	FD-00006	150,000					150,000
Fire Department Total		350,000					350,000
Parks & Community Services							
PK-00001 Ped/Bike Facilities	PK-00001	145,643	39,000	40,000	50,000	50,000	324,643
PK-00013 Sunrise Rotary Sports Complex	PK-00013	150,000			1,700,000		1,850,000
PK-00048 Tulare/Cleveland/Raymond Bike Path	PK-00048	19,325	315,000				334,325
PK-00056 Bike/Ped Path, FRT-Cleveland Ave	PK-00056		45,000		339,000		384,000
PK-00058 FRT-Granada to MID, North Bank	PK-00058		40,000		156,000		196,000
PK-00064 India Park	PK-00064				200,000		200,000
PK-00065 Centennial Park Pool Complex Ammenities	PK-00065	215,000					215,000
PK-00067 OLIVE PARK	PK-00067	167,000	1,723,000				1,890,000
PK-00068 North/West Land Acquisition	PK-00068		300,000				300,000
PK-00069 South/East Land Acquisition	PK-00069			300,000			300,000
PK-00070 Sunset Park Development	PK-00070		725,000				725,000
PK-00071 Town & Country Connectivity Project	PK-00071	915,712	10,900				926,612
PK-00072 Town & Country Park Rehabilitation	PK-00072	75,000	75,000	75,000			225,000
PK-00073 McNally Park Rehabilitation	PK-00073	304,653					304,653
PK-00074 Parkwood Park Rehabilitation	PK-00074	100,000					100,000
PK-00076 FRESNO RIVER TRAIL CLEANUP	PK-00076	391,070					391,070
PK-00077 - REHABILITATION AT FRANK BERGON CEN	PK-00077	148,386					148,386
PK-00078 REHABILITATION AT PAN AMERICAN CENT	PK-00078	100,000					100,000
Parks & Community Services Total		2,731,789	3,272,900	415,000	2,445,000	50,000	8,914,689
Police Department							
PD-00001 Police Station Parking Lot	PD-00001	919,000					919,000
Police Department Total		919,000					919,000

Capital Improvement Pr

Projects By Department

Department	Project #	'23/'24	'24/'25	'25/'26	'26/'27	'27/'28	Total
Public Works							
PW-2022: PUBLIC WORKS STREETS DEPT. ACTIVITY	PW-2022	2,116,500	2,180,000	2,245,500	1,532,400	1,579,000	9,653,400
RM-00001 Rtne Maint City Bridges Fresno RVR	RM-00001	50,000	80,000	80,000	80,000	80,000	370,000
W-000022 Water Tower Recoating	W-000022	683,200					683,200
W-000029 Downtown Valve Replacement	W-000029	40,000	350,000				390,000
W-000034 South St Water Tower Exterior Rehab	W-000034	1,410,300					1,410,300
W-000036 4th/Gateway Line and Valve	W-000036	40,000	440,000	440,000			920,000
W-000042 Chlorine Analyzers & Generators	W-000042	350,000	175,000	175,000			700,000
W-000044 WELL 16 DEMOLITION	W-000044	95,000					95,000
WWTP-0011 Water Treatment Plant Capacity Increase	WWTP-0011	200,000	3,560,000	2,340,000			6,100,000
WWTP23-01 - WWTP CENTRIFUGE UNITS	WWTP23-01	220,000	1,048,000				1,268,000
WWTP23-02 - HEADWORKS & PIPELINE CIPP LINING	WWTP23-02	150,000	1,050,000				1,200,000
WWTP23-03 - GRAVITY BELT THICKENER	WWTP23-03	130,000	648,000				778,000
WWTP23-04 - WWTP PERIMETER FENCING	WWTP23-04	20,000	164,000	164,000			348,000
WWTP23-05 - WWTP WASTE GAS FLARE UNIT (DIGE	WWTP23-05	115,000	548,000				663,000
Public Works Total		5,620,000	10,243,000	5,444,500	1,612,400	1,659,000	24,578,900
RDA Successor Agency							
RDA-16-01 Adell St Utility Project	RDA-16-01	50,000	1,735,000				1,785,000
RDA-16-07 Adelaide Subdivision	RDA-16-07			1,598,478			1,598,478
RDA-17-02 Yosemite Lot Development	RDA-17-02			550,970			550,970
RDA-18-02 Adell St Interconnect, Kennedy & Adell	RDA-18-02	265,000					265,000
RDA Successor Agency Total		315,000	1,735,000	2,149,448			4,199,448
Transit Program							
Trans-10 AHSC Transit Developments	Trans-10	796,000					796,000
TRANS-11 Transit Center Charging Station Project	TRANS-11		579,785				579,785
Transit Program Total		796,000	579,785				1,375,785
GRAND TOTAL		76,870,971	58,529,395	33,895,849	50,497,178	4,957,676	224,751,069