

FY2021 – FY2030
Capital Improvement
Program



Glendale
A R I Z O N A

CITY OF GLENDALE
FY2021-FY2030 CAPITAL IMPROVEMENT PROGRAM
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FY 2021-2030 Capital Improvement Program

CIP Summary by Project Type

Project Type	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
Airport	\$1,071,108	\$4,558,641	\$3,388,250	\$3,225,600	\$4,350,600	\$1,710,945	\$1,625,000	\$19,930,144
Arts	\$945,125	\$300,000	\$0	\$0	\$0	\$0	\$0	\$1,245,125
Drainage	\$0	\$880,300	\$6,630,290	\$6,208,840	\$5,113,940	\$500,240	\$6,037,045	\$25,370,655
Facility Maintenance	\$1,687,672	\$2,861,752	\$12,989,700	\$14,745,000	\$11,753,746	\$14,654,438	\$115,396,706	\$174,089,014
Landfill	\$6,727,416	\$4,331,400	\$11,569,300	\$5,002,350	\$4,108,350	\$836,400	\$17,270,300	\$49,845,516
Library	\$0	\$0	\$0	\$1,927,206	\$4,667,805	\$8,729,376	\$9,013,778	\$24,338,165
Parking Lots	\$0	\$0	\$0	\$0	\$0	\$0	\$5,869,249	\$5,869,249
Parks	\$624,435	\$2,028,881	\$17,383,410	\$13,052,763	\$12,119,333	\$10,760,863	\$60,901,824	\$116,871,509
Public Safety	\$1,177,165	\$7,532,000	\$1,412,000	\$24,139,115	\$23,607,336	\$12,429,003	\$67,841,175	\$138,137,794
Solid Waste	\$2,667,949	\$3,231,371	\$3,883,213	\$4,130,304	\$2,328,338	\$3,025,682	\$11,713,501	\$30,980,358
Streets	\$16,224,705	\$30,066,124	\$20,345,862	\$14,545,715	\$14,355,579	\$12,015,000	\$57,395,000	\$164,947,985
Transit	\$90,000	\$1,416,581	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$4,011,581
Wastewater	\$14,882,500	\$11,727,000	\$18,712,000	\$13,412,000	\$12,255,950	\$17,730,000	\$59,400,000	\$148,119,450
Water	\$47,801,700	\$12,500,000	\$32,205,000	\$25,400,000	\$19,830,000	\$21,970,000	\$157,583,225	\$317,289,925
Grand Total	\$93,899,775	\$81,434,050	\$128,789,025	\$126,058,893	\$114,765,977	\$104,636,947	\$571,461,803	\$1,221,046,470

FY 2021-2030 Capital Improvement Program

**All
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
1080-General Government Capital Prj	\$2,550,836	\$2,526,752	\$4,185,000	\$6,454,365	\$8,270,940	\$7,506,415	\$106,076,969	\$137,571,277
2060-Transportation Grants	\$70,000	\$1,468,363	\$0	\$0	\$0	\$0	\$0	\$1,538,363
2110-Arts Commission	\$945,125	\$300,000	\$0	\$0	\$0	\$0	\$0	\$1,245,125
2160-Other Grants	\$9,309	\$487,500	\$1,625,000	\$2,575,000	\$2,100,000	\$0	\$0	\$6,796,809
2190-Airport Capital Grant	\$1,000,000	\$4,293,550	\$3,063,250	\$2,900,600	\$4,025,600	\$1,385,945	\$0	\$16,668,945
4010-Streets Construction	\$9,544,259	\$5,225,450	\$0	\$0	\$0	\$0	\$0	\$14,769,709
4020-Hurf Streets Construction	\$2,521,066	\$5,351,694	\$3,525,000	\$3,525,000	\$3,525,000	\$3,525,000	\$17,625,000	\$39,597,760
4030-Transportation Capital Proj	\$2,532,010	\$18,601,516	\$16,302,547	\$13,115,715	\$12,930,579	\$10,590,000	\$42,810,000	\$116,882,367
4040-Public Safety Construction	\$269,539	\$7,532,000	\$970,000	\$22,098,490	\$20,250,136	\$9,836,328	\$60,541,395	\$121,497,888
4050-Parks Construction	\$143,194	\$1,485,756	\$17,383,410	\$13,052,763	\$12,119,333	\$10,760,863	\$46,400,000	\$101,345,319
4060-Government Facilities	\$44,463	\$0	\$4,816,700	\$6,072,000	\$2,580,746	\$6,981,438	\$25,065,090	\$45,560,437
4080-Cultural Facility	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
4090-Open Space/Trail Construction	\$0	\$176,795	\$0	\$0	\$0	\$0	\$11,629,200	\$11,805,995
4100-Library Construction	\$0	\$0	\$0	\$1,927,206	\$4,667,805	\$8,729,376	\$9,013,778	\$24,338,165
4110-Flood Control Construction	\$0	\$322,800	\$4,935,290	\$3,393,100	\$2,773,200	\$259,500	\$4,833,345	\$16,517,235
4240-DIF Citywide Parks	\$105,917	\$0	\$0	\$0	\$0	\$0	\$0	\$105,917
4290-DIF Citywide Open Space	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000

FY 2021-2030 Capital Improvement Program

**All
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
4320-DIF Parks and Rec Zone 1 East	\$127,789	\$66,330	\$0	\$0	\$0	\$0	\$0	\$194,119
4330-DIF Parks & Rec Zone 2 west 101	\$88,226	\$0	\$0	\$0	\$0	\$0	\$0	\$88,226
4410-DIF Streets Zone 1 East	\$0	\$630,970	\$2,613,315	\$0	\$0	\$0	\$0	\$3,244,285
4420-DIF Streets Zone 2 West 101	\$1,718,478	\$500,000	\$0	\$0	\$0	\$0	\$0	\$2,218,478
6020-Water	\$47,801,700	\$12,522,814	\$32,205,000	\$26,900,000	\$21,330,000	\$23,470,000	\$159,083,225	\$323,312,739
6030-Sewer	\$14,882,500	\$11,734,169	\$18,712,000	\$13,412,000	\$12,255,950	\$17,730,000	\$59,400,000	\$148,126,619
6110-Landfill	\$6,727,416	\$4,348,752	\$11,569,300	\$5,002,350	\$4,108,350	\$836,400	\$17,270,300	\$49,862,868
6120-Solid Waste	\$2,667,949	\$3,558,839	\$6,883,213	\$5,630,304	\$3,828,338	\$3,025,682	\$11,713,501	\$37,307,826
Grand Total	\$93,899,775	\$81,434,050	\$128,789,025	\$126,058,893	\$114,765,977	\$104,636,947	\$571,461,803	\$1,221,046,470

FY 2021-2030 Capital Improvement Program

**Airport
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPAP19075	AIRPORT EA FOR CHANNELIZATION	\$0	\$0	\$0	\$315,000	\$0	\$0	\$0	\$315,000
CIPAP19076	SOUTH APRON PHASE 1 PAVEMENT RECONS	\$0	\$3,343,550	\$0	\$0	\$0	\$0	\$0	\$3,343,550
CIPAP20001	SOUTH APRON PHASE 2 REHABILITATION	\$0	\$0	\$2,388,250	\$0	\$0	\$0	\$0	\$2,388,250
CIPAP20002	RUNWAY REHABILITATION	\$0	\$0	\$0	\$1,910,600	\$0	\$0	\$0	\$1,910,600
CIPAP20003	WEATHER REPORTING EQUIPMENT	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000
CIPAP20004	AIRPORT PLANNING STUDY	\$0	\$0	\$0	\$0	\$315,000	\$0	\$0	\$315,000
CIPAP20005	AIRFIELD LIGHTING PRESERVATION	\$0	\$0	\$0	\$0	\$1,910,600	\$0	\$0	\$1,910,600
CIPAP20018	TAXIWAY PAVEMENT REHAB & PRESERVE	\$1,000,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,500,000
CIPAP21005	AIRPORT BUILDING CONSTRUCTION STUDY	\$0	\$0	\$0	\$0	\$0	\$405,000	\$0	\$405,000
CIPAP21006	AIRPORT BLDG CONSTRUCT ENV. ASSESS	\$0	\$0	\$0	\$0	\$0	\$360,000	\$0	\$360,000
CIPAP21007	AIRPORT MASTER PLAN STUDY	\$0	\$0	\$0	\$0	\$0	\$620,945	\$0	\$620,945
CIPAP21009	AIRPORT SECURITY FENCING	\$0	\$0	\$0	\$675,000	\$0	\$0	\$0	\$675,000
CIPAP21010	SOUTHWEST APRON DESIGN / CONSTRUCT	\$0	\$0	\$225,000	\$0	\$1,800,000	\$0	\$0	\$2,025,000
CIPAP21011	AUTO PARKING REHABILITATION	\$0	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000
CIPAP21012	AIRSIDE PAVEMENT MAINTENANCE	\$0	\$115,091	\$175,000	\$175,000	\$175,000	\$175,000	\$875,000	\$1,690,091
CIPAP65078	AIRPORT MATCHING FUNDS	\$71,108	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$1,571,108
Grand Total		\$1,071,108	\$4,558,641	\$3,388,250	\$3,225,600	\$4,350,600	\$1,710,945	\$1,625,000	\$19,930,144

FY 2021-2030 Capital Improvement Program

**Airport
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
2190-Airport Capital Grant	\$1,000,000	\$4,293,550	\$3,063,250	\$2,900,600	\$4,025,600	\$1,385,945	\$0	\$16,668,945
4030-Transportation Capital Proj	\$71,108	\$265,091	\$325,000	\$325,000	\$325,000	\$325,000	\$1,625,000	\$3,261,199
Grand Total	\$1,071,108	\$4,558,641	\$3,388,250	\$3,225,600	\$4,350,600	\$1,710,945	\$1,625,000	\$19,930,144

AIRPORT EA FOR CHANNELIZATION

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP19075

Project Number: CIPAP19075

Description

This project is to conduct an Environmental Assessment for channelization of New River. This project also includes a Wildlife Hazard Management Plan (WHMP) for the airport.

Justification

This project will allow the airport to obtain additional land needed to meet Federal Aviation Administration design standards. A WHMP is a Federal mandate. Outside funding is to be leveraged for this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	2190-Airport Capital Grant			\$315,000				\$315,000
Grand Total				\$315,000				\$315,000

SOUTH APRON PHASE 1 PAVEMENT RECONS

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP19076

Project Number: CIPAP19076

Description

Full reconstruction of pavement in South Apron including intersections A4 and A6 totaling approximately 38,000 square yards.

Justification

Outside funding is to be leveraged for this project. In addition to FAA, this project is required under ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant	\$3,343,550						\$3,343,550
Grand Total		\$3,343,550						\$3,343,550

SOUTH APRON PHASE 2 REHABILITATION

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20001

Project Number: CIPAP20001

Description

Project to rehabilitate south apron by mill and overlay, totaling approximately 93,000 square yards, including Ramp-1 relocation.

Justification

The relocation of the apron intersection is to comply with FAA design standards. In addition to FAA, this project is required under ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant		\$2,388,250					\$2,388,250
Grand Total			\$2,388,250					\$2,388,250

RUNWAY REHABILITATION

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20002

Project Number: CIPAP20002

Description

Project is to rehabilitate the runway by adding a mill and overlay treatment to the pavement, approximately 80,000 square yards.

Justification

The Airport Pavement Maintenance Management Program indicates rehabilitation is necessary on the existing runway. Outside funding is to be leveraged for this project. Project required under FAA and ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant			\$1,910,600				\$1,910,600
Grand Total				\$1,910,600				\$1,910,600

WEATHER REPORTING EQUIPMENT

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20003

Project Number: CIPAP20003

Description

Project to replace existing surface observation equipment with Automated Weather Observing System to include wind information sensors at runway ends and improve the wind cones on the airport by relocating and raising existing wind cones.

Justification

Outside funding is to be leveraged for this project. Project required under FAA and ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	2190-Airport Capital Grant		\$450,000					\$450,000
Grand Total			\$450,000					\$450,000

AIRPORT PLANNING STUDY

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20004

Project Number: CIPAP20004

Description

Part 150 Airport Noise Compatibility Planning Update

Justification

Complete and update the Part 150 study that was completed in 1994. Updates are needed to coincide with recent master planning, forecasts, and Airport Layout Plan updates. No foreseen operational and maintenance costs are associated for this project. Outside funding is to be leveraged for this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	2190-Airport Capital Grant				\$315,000			\$315,000
Grand Total					\$315,000			\$315,000

AIRFIELD LIGHTING PRESERVATION

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20005

Project Number: CIPAP20005

Description

Replace runway edge lighting, taxiway edge lighting, airfield signs and navigational aids.

Justification

This project would replace all existing runway and taxiway edge lighting, airfield signs, navigational aids, regulators, and controls. All airfield lighting and signage is aged and in need of upgrade to LED technology.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	2190-Airport Capital Grant				\$1,910,600			\$1,910,600
Grand Total					\$1,910,600			\$1,910,600

TAXIWAY PAVEMENT REHAB & PRESERVE

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP20018

Project Number: CIPAP20018

Description

Mill and overlay of existing Taxiway Alpha totaling approximately 47,224 square yards.

Justification

Outside funding is intended to be leveraged for this project. Project required under FAA and ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	2190-Airport Capital Grant	\$1,000,000						\$1,000,000
CONSTRUCT	2190-Airport Capital Grant	\$500,000						\$500,000
Grand Total		\$1,500,000						\$1,500,000

AIRPORT BUILDING CONSTRUCTION STUDY

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21005

Project Number: CIPAP21005

Description

Conduct a site survey and site selection study for a new location for an Airport Traffic Control Tower (ATCT). Also incorporate the preliminary design needs for a new ATCT facility.

Justification

Airport Master Plan calls for a new Airport Traffic Control Tower and this will be the preliminary planning and environmental study to begin the process. Project required under FAA and ADOT grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	2190-Airport Capital Grant					\$405,000		\$405,000
Grand Total						\$405,000		\$405,000

AIRPORT BLDG CONSTRUCT ENV. ASSESS

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21006

Project Number: CIPAP21006

Description

Conduct Environment Assessment as the first step in the development of the east side areas of the airport to accommodate future demand.

Justification

The east side of the airport will be developed to accommodate future demand. The west side is nearly built out. This environmental assessment will enable future development at the airport.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	2190-Airport Capital Grant					\$360,000		\$360,000
Grand Total						\$360,000		\$360,000

AIRPORT MASTER PLAN STUDY

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21007

Project Number: CIPAP21007

Description

Update to Airport Master Plan.

Justification

Current Airport Master Plan was completed in 2007 and the Airport Layout Plan update was completed in 2017. This update will guide and enable east side development according to capacity needs.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	2190-Airport Capital Grant					\$620,945		\$620,945
Grand Total						\$620,945		\$620,945

AIRPORT SECURITY FENCING

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21009

Project Number: CIPAP21009

Description

Airfield Gate Improvements and Access Control System Upgrade. Project will upgrade all vehicle access gates and upgrade access control system.

Justification

Project to improve and modernize airfield vehicle access gates and upgrade the access control system to include network communications and video surveillance. This project is identified in the Airport Master Plan and would improve safety.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant			\$675,000				\$675,000
Grand Total				\$675,000				\$675,000

SOUTHWEST APRON DESIGN / CONSTRUCT

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21010

Project Number: CIPAP21010

Description

Project design and construction of southwest apron, taxi lane and access road to accommodate capacity needs.

Justification

Design and construction of new public apron, taxi lane, and infrastructure to accommodate expansion of aircraft storage to meet capacity needs. Project required under FAA and ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant		\$0		\$1,800,000			\$1,800,000
STUDY	2190-Airport Capital Grant		\$225,000		\$0			\$225,000
Grand Total			\$225,000		\$1,800,000			\$2,025,000

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M						\$31,286		\$31,286
Grand Total						\$31,286		\$31,286

AUTO PARKING REHABILITATION

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21011

Project Number: CIPAP21011

Description

Terminal and parking area rehabilitation including approximately 10,000 square yards of mill, overlay and re-stripping.

Justification

Perform mill and overlay in terminal parking areas. Project is required under FAA and ADOT Grant Assurances and Airport Design Standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2190-Airport Capital Grant	\$450,000						\$450,000
Grand Total		\$450,000						\$450,000

AIRSIDE PAVEMENT MAINTENANCE

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP21012

Project Number: CIPAP21012

Description

The proposed project is for the surface treatment of the center apron. It includes approximately 524,000 square feet of asphalt concrete aircraft apron pavement area and re-striping of the treated area.

Justification

The pavement was fully rehabilitated in 2014 but needs required pavement maintenance. The Airport’s Pavement Maintenance Management Plan calls for a surface treatment to be applied.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..	\$109,820	\$166,985	\$166,985	\$166,985	\$166,985	\$834,925	\$1,612,685
INTRNL CHG	4030-Transportation Capita..	\$4,173	\$6,345	\$6,345	\$6,345	\$6,345	\$31,725	\$61,278
PUBLIC ART	4030-Transportation Capita..	\$1,098	\$1,670	\$1,670	\$1,670	\$1,670	\$8,350	\$16,128
Grand Total		\$115,091	\$175,000	\$175,000	\$175,000	\$175,000	\$875,000	\$1,690,091

AIRPORT MATCHING FUNDS

Package Number
FY21-30CIP

Project Type
Airport

Project Number
CIPAP65078

Project Number: CIPAP65078

Description

This request is to provide for matching funds for Glendale Airport projects as identified in the Airport Capital Improvement Program (Fund 2190). Funding covers the local match for all airport capital costs.

Justification

This request allows for projects identified in the Airport Capital Improvement Program be completed with a local match funding and leverage Federal and State funds.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$71,108	\$0	\$0	\$0	\$0	\$0	\$71,108
CONSTRUCT	4030-Transportation Capita..	\$135,000	\$135,000	\$135,000	\$135,000	\$135,000	\$675,000	\$1,350,000
DESIGN	4030-Transportation Capita..	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	\$150,000
Grand Total		\$221,108	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$1,571,108

FY 2021-2030 Capital Improvement Program

Arts
Summary by Project

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPAT20035	MUNICIPAL ARTS PROGRAM	\$945,125	\$300,000						\$1,245,125
Grand Total		\$945,125	\$300,000						\$1,245,125

FY 2021-2030 Capital Improvement Program

Arts
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
2110-Arts Commission	\$945,125	\$300,000						\$1,245,125
Grand Total	\$945,125	\$300,000						\$1,245,125

MUNICIPAL ARTS PROGRAM

Package Number
FY21-30CIP

Project Type
Arts

Project Number
CIPAT20035

Project Number: CIPAT20035

Description

City Council Ordinance No. 1226 created a Municipal Art Fund which provides for the purchase of works of art for public places. This consists of commissioned, non-commissioned and the performing arts, all reviewed and recommended by the Glendale Arts Commission (via the Annual Arts Plan). These funds are used to implement the Annual Arts Plan and maintain and restore the City’s art portfolio (when necessary)

Justification

By City Council Ordinance No. 1226, a Municipal Art Fund is created which provides for the purchase of works of art for public places.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	2110-Arts Commission	\$945,125						\$945,125
NONCAPITAL	2110-Arts Commission	\$300,000						\$300,000
Grand Total		\$1,245,125						\$1,245,125

FY 2021-2030 Capital Improvement Program

**Drainage
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPDR19040	CAMELBACK ROAD, 51ST TO 58TH		\$0	\$3,104,290	\$0	\$0	\$0	\$0	\$3,104,290
CIPDR19078	83RD AVE, BETHANY HM TO CAMELBACK		\$0	\$0	\$0	\$0	\$259,500	\$2,870,000	\$3,129,500
CIPDR19079	59TH AVE & T-BIRD RD STORM DRAIN		\$0	\$0	\$0	\$0	\$0	\$1,963,345	\$1,963,345
CIPDR21019	DRAIN. IMP. GLENN DR., 59TH - 52ND		\$0	\$50,000	\$570,900	\$4,873,200	\$0	\$0	\$5,494,100
CIPDR21034	BETHANY HOME SD, 43RD TO 51ST AVE		\$622,800	\$3,406,000	\$5,397,200	\$0	\$0	\$0	\$9,426,000
CIPDR79004	LOCAL DRAINAGE PROBLEMS		\$257,500	\$70,000	\$240,740	\$240,740	\$240,740	\$1,203,700	\$2,253,420
Grand Total			\$880,300	\$6,630,290	\$6,208,840	\$5,113,940	\$500,240	\$6,037,045	\$25,370,655

FY 2021-2030 Capital Improvement Program

**Drainage
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
1080-General Government Capital Prj		\$70,000	\$70,000	\$240,740	\$240,740	\$240,740	\$1,203,700	\$2,065,920
2160-Other Grants		\$487,500	\$1,625,000	\$2,575,000	\$2,100,000	\$0	\$0	\$6,787,500
4110-Flood Control Construction		\$322,800	\$4,935,290	\$3,393,100	\$2,773,200	\$259,500	\$4,833,345	\$16,517,235
Grand Total		\$880,300	\$6,630,290	\$6,208,840	\$5,113,940	\$500,240	\$6,037,045	\$25,370,655

CAMELBACK ROAD, 51ST TO 58TH

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR19040

Project Number: CIPDR19040

Description

Installation of storm drain in Camelback Road from 51st to 58th Avenues.

Justification

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District of Maricopa County in July 2011. Amounts have been adjusted from the FY20 CIP Submission. Design is complete.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4110-Flood Control Constru..		\$2,750,000					\$2,750,000
CONTGNCY	4110-Flood Control Constru..		\$205,000					\$205,000
INTRNL CHG	4110-Flood Control Constru..		\$121,790					\$121,790
PUBLIC ART	4110-Flood Control Constru..		\$27,500					\$27,500
Grand Total			\$3,104,290					\$3,104,290

83RD AVE, BETHANY HM TO CAMELBACK

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR19078

Project Number: CIPDR19078

Description

Installation of storm drain in 83rd Avenue from Bethany Home Road to Camelback Road.

Justification

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District in July 2011. Amounts and years have been updated from the FY20 CIP submission.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4110-Flood Control Constru..					\$0	\$2,500,000	\$2,500,000
CONTGNCY	4110-Flood Control Constru..					\$0	\$250,000	\$250,000
DESIGN	4110-Flood Control Constru..					\$250,000	\$0	\$250,000
INTRNL CHG	4110-Flood Control Constru..					\$9,500	\$95,000	\$104,500
PUBLIC ART	4110-Flood Control Constru..					\$0	\$25,000	\$25,000
Grand Total						\$259,500	\$2,870,000	\$3,129,500

59TH AVE & T-BIRD RD STORM DRAIN

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR19079

Project Number: CIPDR19079

Description

Project will construct a storm drain in 59th Avenue between the Thunderbird Road intersection and the Arizona Canal Drainage Channel.

Justification

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District of Maricopa County in July 2011. Amounts and description are unchanged from the FY20 CIP submission.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4110-Flood Control Constru..						\$1,700,000	\$1,700,000
CONTGNCY	4110-Flood Control Constru..						\$116,000	\$116,000
DESIGN	4110-Flood Control Constru..						\$58,000	\$58,000
INTRNL CHG	4110-Flood Control Constru..						\$48,345	\$48,345
LAND	4110-Flood Control Constru..						\$24,000	\$24,000
PUBLIC ART	4110-Flood Control Constru..						\$17,000	\$17,000
Grand Total							\$1,963,345	\$1,963,345

DRAIN. IMP. GLENN DR., 59TH - 52ND

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR21019

Project Number: CIPDR21019

Description

This project will install storm drainage in Glenn Drive from 59th Avenue to 52nd Avenue, to correct flooding in Glenn Drive, nearby alleys, and in Murphy Park.

Justification

Maricopa County Flood Control District has agreed to contribute \$2,100,000 toward completion of this project. The total projected cost of the project is \$5,494,100.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2160-Other Grants		\$0	\$0	\$2,100,000			\$2,100,000
	4110-Flood Control Constru..		\$0	\$0	\$2,550,000			\$2,550,000
DESIGN	4110-Flood Control Constru..		\$0	\$550,000	\$0			\$550,000
INTRNL CHG	4110-Flood Control Constru..		\$0	\$20,900	\$176,700			\$197,600
PRE DESIGN	4110-Flood Control Constru..		\$50,000	\$0	\$0			\$50,000
PUBLIC ART	4110-Flood Control Constru..		\$0	\$0	\$46,500			\$46,500
Grand Total			\$50,000	\$570,900	\$4,873,200			\$5,494,100

BETHANY HOME SD, 43RD TO 51ST AVE

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR21034

Project Number: CIPDR21034

Description

Design and construction of storm drain pipe, inlets, catch basins and other appurtences in a half square mile area centered on Bethany Home Road between 43rd Avenue and 51st Ave.

Justification

This project is identified in the Storm Water Master plan adopted by the city in 2011. Maricopa County Flood Control District has budgeted to contribute \$4.5 million toward completion of the project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2160-Other Grants	\$0	\$1,375,000	\$2,575,000				\$3,950,000
	4110-Flood Control Constru..	\$0	\$1,375,000	\$2,575,000				\$3,950,000
DESIGN	2160-Other Grants	\$300,000	\$0	\$0				\$300,000
	4110-Flood Control Constru..	\$300,000	\$0	\$0				\$300,000
INTRNL CHG	4110-Flood Control Constru..	\$22,800	\$123,500	\$195,700				\$342,000
LAND	2160-Other Grants	\$0	\$250,000	\$0				\$250,000
	4110-Flood Control Constru..	\$0	\$250,000	\$0				\$250,000
PUBLIC ART	4110-Flood Control Constru..	\$0	\$32,500	\$51,500				\$84,000
Grand Total		\$622,800	\$3,406,000	\$5,397,200				\$9,426,000

LOCAL DRAINAGE PROBLEMS

Package Number
FY21-30CIP

Project Type
Drainage

Project Number
CIPDR79004

Project Number: CIPDR79004

Description

Construct localized storm drainage improvements to mitigate drainage and/or flooding issues.

Justification

This is an on-going program that typically addresses drainage issues in older neighborhoods and extends existing storm drain systems.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..	\$67,000	\$67,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$1,734,000
	2160-Other Grants	\$187,500	\$0	\$0	\$0	\$0	\$0	\$187,500
DESIGN	1080-General Government C..	\$0	\$0	\$30,000	\$30,000	\$30,000	\$150,000	\$240,000
INTRNL CHG	1080-General Government C..	\$2,500	\$2,500	\$8,740	\$8,740	\$8,740	\$43,700	\$74,920
PUBLIC ART	1080-General Government C..	\$500	\$500	\$2,000	\$2,000	\$2,000	\$10,000	\$17,000
Grand Total		\$257,500	\$70,000	\$240,740	\$240,740	\$240,740	\$1,203,700	\$2,253,420

FY 2021-2030 Capital Improvement Program

**Facility Maintenance
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPFC19016	GLENDAL OPERATIONS CAMPUS	\$0	\$200,000	\$9,000,000	\$9,000,000	\$4,500,000	\$3,000,000	\$1,500,000	\$27,200,000
CIPFC19037	UNDERGROUND STORAGE TANK REPLACE	\$0	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000
CIPFC19038	CITY HALL BUILDING REMODEL	\$0	\$0	\$316,700	\$1,572,000	\$2,130,746	\$6,981,438	\$3,919,266	\$14,920,150
CIPFC19061	ELECTRICAL SYSTEM RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$5,728,000	\$5,728,000
CIPFC19062	ELEVATOR SYSTEM RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$2,596,000	\$2,596,000
CIPFC19063	FIRE PROTECTION RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$2,896,000	\$2,896,000
CIPFC19064	SECURITY CAMERA IMPROVEMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$3,275,080	\$3,275,080
CIPFC19065	PLUMBING SYSTEM RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$3,008,760	\$3,008,760
CIPFC19068	ROOFING SYSTEM RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$10,956,000	\$10,956,000
CIPFC19071	HVAC REPAIR/REPLACEMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$13,878,000	\$13,878,000
CIPFC19072	SPACE PLANNING INTERIOR UPDATES	\$0	\$0	\$0	\$0	\$0	\$0	\$19,735,000	\$19,735,000
CIPFC19073	BUILDING EXT. SEALING/RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$6,266,400	\$6,266,400
CIPFC19074	COMMUNITY SERVICES RESOURCE CENTER	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100,000	\$17,100,000
CIPFC19093	FACILITIES ASSESSMENT	\$44,463	\$0	\$0	\$0	\$0	\$0	\$0	\$44,463
CIPFC20023	ADULT CENTER RENOVATION	\$0	\$0	\$0	\$0	\$0	\$0	\$1,173,200	\$1,173,200
CIPFC21002	FLEET AIR COMPRESSOR REPLACEMENT	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000
CIPFC70800	BUILDING MAINTENANCE RESERVE	\$500,000	\$1,000,000	\$1,500,000	\$2,000,000	\$2,500,000	\$2,500,000	\$12,500,000	\$22,500,000

FY 2021-2030 Capital Improvement Program

**Facility Maintenance
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPFC70801	CAMELBACK RANCH MAINTENANCE RESERVE	\$1,143,210	\$836,752	\$1,673,000	\$1,673,000	\$1,673,000	\$1,673,000	\$8,365,000	\$17,036,962
CIPPK70803	CAPITAL REPAIR-ARENA	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$5,000,000
Grand Total		\$1,687,672	\$2,861,752	\$12,989,700	\$14,745,000	\$11,753,746	\$14,654,438	\$115,396,706	\$174,089,014

FY 2021-2030 Capital Improvement Program

**Facility Maintenance
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
1080-General Government Capital Prj	\$1,643,210	\$2,456,752	\$3,673,000	\$4,173,000	\$4,673,000	\$4,673,000	\$91,704,240	\$112,996,202
4020-Hurf Streets Construction	\$0	\$12,059	\$0	\$0	\$0	\$0	\$0	\$12,059
4030-Transportation Capital Proj	\$0	\$18,138	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$6,018,138
4060-Government Facilities	\$44,463	\$0	\$4,816,700	\$6,072,000	\$2,580,746	\$6,981,438	\$22,192,466	\$42,687,813
6020-Water	\$0	\$22,814	\$0	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$6,022,814
6030-Sewer	\$0	\$7,169	\$0	\$0	\$0	\$0	\$0	\$7,169
6110-Landfill	\$0	\$17,352	\$0	\$0	\$0	\$0	\$0	\$17,352
6120-Solid Waste	\$0	\$327,468	\$3,000,000	\$1,500,000	\$1,500,000	\$0	\$0	\$6,327,468
Grand Total	\$1,687,672	\$2,861,752	\$12,989,700	\$14,745,000	\$11,753,746	\$14,654,438	\$115,396,706	\$174,089,014

GLENDALE OPERATIONS CAMPUS

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19016

Project Number: CIPFC19016

Description

This project is to replace/restore the buildings and functionality at the city’s optimally located operations campus. The campus is located between Grand and 67th Avenues, north of Glendale Avenue.
The campus provides the primary location for critical city services including Water Services (Systems Operations, Distribution, Storm Water, Warehouse and Meter Reading); Transportation (Transit, Traffic Operations {Signs & Markings, Street Maintenance, Right of Way Maintenance, Graffiti, Signals, Street Lights, Traffic Mitigation, Traffic Engineering, Ed..

Justification

The buildings and layout were constructed in 1976 and are inefficient, overprogrammed and unable to serve the current needs. The older building infrastructure is in poor condition. Aging infrastructure, security, and operational efficiency concerns must be addressed in order to continue to provide effective service to the community. The current location is centrally located and best situated to serve the city from one campus.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..	\$0	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$6,000,000
	4060-Government Facilities	\$0	\$4,500,000	\$4,500,000	\$0	\$0	\$0	\$9,000,000
	6020-Water	\$0	\$0	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$6,000,000
	6120-Solid Waste	\$0	\$3,000,000	\$1,500,000	\$1,500,000	\$0	\$0	\$6,000,000
DESIGN	6120-Solid Waste	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Grand Total		\$200,000	\$9,000,000	\$9,000,000	\$4,500,000	\$3,000,000	\$1,500,000	\$27,200,000

UNDERGROUND STORAGE TANK REPLACE

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19037

Project Number: CIPFC19037

Description

This project is for replacement of aging below-ground double-walled vaulted fuel storage tanks located at the Operations Complex, as well as associated piping. The tanks are tested at regular intervals, and are anticipated needing replacement in FY23-24.

Justification

Fuel sites are essential for the continued operation of the City. All city departments use this fuel site, including Public Safety vehicles, Solid Waste trucks, Transit buses, Water Services vehicles etc.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4060-Government Facilities				\$400,000			\$400,000
DESIGN	4060-Government Facilities				\$50,000			\$50,000
Grand Total					\$450,000			\$450,000

CITY HALL BUILDING REMODEL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19038

Project Number: CIPFC19038

Description

This project is to reinvest in the City Hall campus by recreating a fully updated, modernized environment to include a centralized customer service area, enhanced security, and accessible, vibrant and dynamic areas. Restoring the infrastructure and functionality will extend the center for multiple decades. The project will include a new exterior, rebuilding the interior floor by floor, replacing aged infrastructure, and improving the functionality to provide for better service to the community. The design will be refined via future council workshops and will involve multiple phases for continued operations.

Justification

The existing City Hall building was constructed in approximately 1984. The building no longer effectively serve the needs of the organization and the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4060-Government Facilities		\$0	\$1,500,000	\$1,400,000	\$5,754,000	\$2,877,000	\$11,531,000
CONTGNCY	4060-Government Facilities		\$29,000	\$0	\$225,846	\$513,546	\$316,470	\$1,084,862
DESIGN	4060-Government Facilities		\$287,700	\$0	\$287,700	\$287,700	\$287,700	\$1,150,800
EQUIPMENT	4060-Government Facilities		\$0	\$0	\$150,000	\$150,000	\$300,000	\$600,000
INTRNL CHG	4060-Government Facilities		\$0	\$57,000	\$53,200	\$218,652	\$109,326	\$438,178
PUBLIC ART	4060-Government Facilities		\$0	\$15,000	\$14,000	\$57,540	\$28,770	\$115,310
Grand Total			\$316,700	\$1,572,000	\$2,130,746	\$6,981,438	\$3,919,266	\$14,920,150

ELECTRICAL SYSTEM RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19061

Project Number: CIPFC19061

Description

This project funds renewal of electrical systems city-wide. Building assessments will identify priorities based on electrical system conditions and detail repair recommendations.

Justification

Programmatic repair/replacement of electrical systems and components will protect public health and safety, reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City's strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$4,750,000	\$4,750,000
DESIGN	1080-General Government C..						\$750,000	\$750,000
INTRNL CHG	1080-General Government C..						\$180,500	\$180,500
PUBLIC ART	1080-General Government C..						\$47,500	\$47,500
Grand Total							\$5,728,000	\$5,728,000

ELEVATOR SYSTEM RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19062

Project Number: CIPFC19062

Description

This project is to keep elevators, determined to be a Tier 1 infrastructure, in good working order. Elevators exist and require capital improvements in City Hall, Main Public Safety, Adult Center, Main Library, FS 157, FRAC, Airport, and Sine Building. Priorities are based upon building usage (Business critical are highest tier for this component), and identified need.

Justification

Programmatic repair/replacement of components for elevators will protect public health and safety, reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$2,000,000	\$2,000,000
DESIGN	1080-General Government C..						\$500,000	\$500,000
INTRNL CHG	1080-General Government C..						\$76,000	\$76,000
PUBLIC ART	1080-General Government C..						\$20,000	\$20,000
Grand Total							\$2,596,000	\$2,596,000

FIRE PROTECTION RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19063

Project Number: CIPFC19063

Description

This project is to keep fire protection systems, identified as a Tier 1 infrastructure, in good working order. Capital repairs are needed at GRPSTC and buildings on the Glendale Operations Campus. Priorities are based upon building usage (Mission critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components of fire protection systems will protect public health and safety, reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$2,000,000	\$2,000,000
CONTGNCY	1080-General Government C..						\$250,000	\$250,000
DESIGN	1080-General Government C..						\$550,000	\$550,000
INTRNL CHG	1080-General Government C..						\$76,000	\$76,000
PUBLIC ART	1080-General Government C..						\$20,000	\$20,000
Grand Total							\$2,896,000	\$2,896,000

SECURITY CAMERA IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19064

Project Number: CIPFC19064

Description

This project is to keep security camera systems, identified as a Tier 1 infrastructure, in good working order. Capital repairs are needed at multiple public safety buildings, City Hall, and buildings on the Glendale Operations Campus. Priorities are based upon building usage (Mission critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components of security systems will protect public health and safety, reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$2,710,000	\$2,710,000
CONTGNCY	1080-General Government C..						\$110,000	\$110,000
DESIGN	1080-General Government C..						\$325,000	\$325,000
INTRNL CHG	1080-General Government C..						\$102,980	\$102,980
PUBLIC ART	1080-General Government C..						\$27,100	\$27,100
Grand Total							\$3,275,080	\$3,275,080

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M							\$400,000	\$400,000
Grand Total							\$400,000	\$400,000

PLUMBING SYSTEM RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19065

Project Number: CIPFC19065

Description

This project is to keep plumbing systems, identified as a Tier 1 infrastructure, in good working order. Capital repairs are needed at City Court, Fire Station 153, and City Hall. Priorities are based upon building usage (Mission critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components for plumbing systems will reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$2,370,000	\$2,370,000
DESIGN	1080-General Government C..						\$525,000	\$525,000
INTRNL CHG	1080-General Government C..						\$23,700	\$23,700
PUBLIC ART	1080-General Government C..						\$90,060	\$90,060
Grand Total							\$3,008,760	\$3,008,760

ROOFING SYSTEM RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19068

Project Number: CIPFC19068

Description

This project is to keep roofing systems, identified as a Tier 1 infrastructure, in good working order. Capital repairs are needed at City Court, Fire Station 153, 154, 158, 159, Gateway, City Hall, Main Library and multiple buildings on the Glendale Operations Campus. Priorities are based upon building usage (Mission critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components of roofing systems will reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$9,500,000	\$9,500,000
DESIGN	1080-General Government C..						\$1,000,000	\$1,000,000
INTRNL CHG	1080-General Government C..						\$361,000	\$361,000
PUBLIC ART	1080-General Government C..						\$95,000	\$95,000
Grand Total							\$10,956,000	\$10,956,000

HVAC REPAIR/REPLACEMENTS

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19071

Project Number: CIPFC19071

Description

This project is to keep HVAC systems, identified as a Tier 1 infrastructure, in good working order. Capital repairs are needed at the Main Public Safety Building, Foothills, City Hall, and multiple buildings on the Glendale Operations Campus. Priorities are based upon building usage (Mission critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components of HVAC systems, including indoor air quality, will protect public health and safety, reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$11,000,000	\$11,000,000
CONTGNCY	1080-General Government C..						\$1,100,000	\$1,100,000
DESIGN	1080-General Government C..						\$1,250,000	\$1,250,000
INTRNL CHG	1080-General Government C..						\$418,000	\$418,000
PUBLIC ART	1080-General Government C..						\$110,000	\$110,000
Grand Total							\$13,878,000	\$13,878,000

SPACE PLANNING INTERIOR UPDATES

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19072

Project Number: CIPFC19072

Description

This project is to keep interior fixtures and finishes, identified as a Tier 3 infrastructure, in good working order. Capital replacements are needed at multiple locations. Priorities are based upon building usage (Business critical are highest tier for this component) and identified need.

Justification

Programmatic replacement of components of furnishings, fixtures, and interior aspects of buildings will reinforce the city’s brand and image, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$13,750,000	\$13,750,000
DESIGN	1080-General Government C..						\$5,325,000	\$5,325,000
INTRNL CHG	1080-General Government C..						\$522,500	\$522,500
PUBLIC ART	1080-General Government C..						\$137,500	\$137,500
Grand Total							\$19,735,000	\$19,735,000

BUILDING EXT. SEALING/RENEWAL

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19073

Project Number: CIPFC19073

Description

This project is to keep interior fixtures and finishes, identified as a Tier 2 infrastructure, in good working order. Capital replacements are needed at City Hall and multiple buildings on the Glendale Operations Campus. Priorities are based upon building usage (Business critical are highest tier for this component) and identified need.

Justification

Programmatic repair/replacement of components of exterior of buildings (including window seals and glazing) will reduce long term life cycle costs, and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$5,550,000	\$5,550,000
DESIGN	1080-General Government C..						\$450,000	\$450,000
INTRNL CHG	1080-General Government C..						\$210,900	\$210,900
PUBLIC ART	1080-General Government C..						\$55,500	\$55,500
Grand Total							\$6,266,400	\$6,266,400

COMMUNITY SERVICES RESOURCE CENTER

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19074

Project Number: CIPFC19074

Description

This project is to create a one-stop Community Services Resource Center to serve the disadvantaged within our community.

Justification

Centralizing services will allow more efficient distribution of resources to those who need it most.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4060-Government Facilities						\$15,000,000	\$15,000,000
DESIGN	4060-Government Facilities						\$1,700,000	\$1,700,000
INTRNL CHG	4060-Government Facilities						\$250,000	\$250,000
PUBLIC ART	4060-Government Facilities						\$150,000	\$150,000
Grand Total							\$17,100,000	\$17,100,000

FACILITIES ASSESSMENT

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC19093

Project Number: CIPFC19093

Description

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4060-Government Facilities	\$44,463						\$44,463
Grand Total		\$44,463						\$44,463

ADULT CENTER RENOVATION

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC20023

Project Number: CIPFC20023

Description

This project is to complete the build out of the second floor of the Adult Center. Future design will be determined as part of a needs assessment and may include additional programs for the center.

Justification

This project will improve customer service, asset management, and financial responsibility.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4060-Government Facilities						\$900,000	\$900,000
CONTGNCY	4060-Government Facilities						\$105,000	\$105,000
DESIGN	4060-Government Facilities						\$125,000	\$125,000
INTRNL CHG	4060-Government Facilities						\$34,200	\$34,200
PUBLIC ART	4060-Government Facilities						\$9,000	\$9,000
Grand Total							\$1,173,200	\$1,173,200

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M							\$947,700	\$947,700
Grand Total							\$947,700	\$947,700

FLEET AIR COMPRESSOR REPLACEMENT

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC21002

Project Number: CIPFC21002

Description

This project is needed to replace the failing air compressor system for shop operations.

Justification

The Fleet Maintenance Facility was constructed in 2004. The air compressor is past its useful life and needs replacement. A second compressor is necessary to provide redundancy to ensure continued shop operation.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	1080-General Government C..	\$120,000						\$120,000
	4020-Hurf Streets Construc..	\$12,059						\$12,059
	4030-Transportation Capita..	\$18,138						\$18,138
	6020-Water	\$22,814						\$22,814
	6030-Sewer	\$7,169						\$7,169
	6110-Landfill	\$17,352						\$17,352
	6120-Solid Waste	\$127,468						\$127,468
Grand Total		\$325,000						\$325,000

BUILDING MAINTENANCE RESERVE

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC70800

Project Number: CIPFC70800

Description

This project supports repair of major building components and systems such as HVAC, plumbing, electrical, roofing, interiors, elevators, and other building systems that have failed.

Justification

Repairing buildings will align resources with the City’s strategic priorities including- reducing long term life cycle costs, protecting public health and safety, and improving service delivery to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	1080-General Government C..	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
NONCAPITAL	1080-General Government C..	\$1,000,000	\$1,500,000	\$2,000,000	\$2,500,000	\$2,500,000	\$12,500,000	\$22,000,000
Grand Total		\$1,500,000	\$1,500,000	\$2,000,000	\$2,500,000	\$2,500,000	\$12,500,000	\$22,500,000

CAMELBACK RANCH MAINTENANCE RESERVE

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPFC70801

Project Number: CIPFC70801

Description

This project funds the capital repair and or replacement of contractually required components and systems such as HVAC, plumbing, electrical, roofing, interiors, elevators, and other building systems. Glendale’s Camelback Ranch is a premier public facility.

Justification

Programmatic replacement of capital systems and components of the complex will reduce overall lifecycle costs while aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	1080-General Government C..	\$1,143,210	\$0	\$0	\$0	\$0	\$0	\$1,143,210
NONCAPITAL	1080-General Government C..	\$836,752	\$1,673,000	\$1,673,000	\$1,673,000	\$1,673,000	\$8,365,000	\$15,893,752
Grand Total		\$1,979,962	\$1,673,000	\$1,673,000	\$1,673,000	\$1,673,000	\$8,365,000	\$17,036,962

CAPITAL REPAIR-ARENA

Package Number
FY21-30CIP

Project Type
Facility Maintenance

Project Number
CIPPK70803

Project Number: CIPPK70803

Description

This project funds the capital repair and or replacement of required components and systems such as HVAC, plumbing, electrical, roofing, interiors, elevators, and other building systems. Glendale’s Gila River Arena is a premier public facility.

Justification

Programmatic replacement of capital systems and components of the complex will reduce overall lifecycle costs while aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
NONCAPITAL	1080-General Government C..	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$5,000,000
Grand Total		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$5,000,000

FY 2021-2030 Capital Improvement Program

**Landfill
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPLF19019	LANDFILL COMPACTOR REPLACEMENT	\$0	\$600,000	\$1,400,000	\$0	\$0	\$0	\$2,100,000	\$4,100,000
CIPLF19024	BULLDOZER REPLACEMENTS AND REBUILDS	\$0	\$0	\$1,300,000	\$1,400,000	\$0	\$0	\$1,900,000	\$4,600,000
CIPLF19025	NORTH CELL LINER	\$0	\$157,200	\$7,474,000	\$157,200	\$0	\$0	\$3,030,000	\$10,818,400
CIPLF19090	LANDFILL MOTOR GRADER REPLACEMENT	\$0	\$0	\$0	\$0	\$550,000	\$0	\$0	\$550,000
CIPLF19091	LANDFILL SCRAPER EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000	\$1,900,000
CIPLF20009	CLOSED LANDFILL	\$53,618	\$0	\$0	\$0	\$0	\$0	\$0	\$53,618
CIPLF20040	SCALE HOUSE PEDESTRIAN LANDING	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
CIPLF21029	LANDFILL GPS SYSTEM EQUIPMENT	\$0	\$225,000	\$0	\$0	\$0	\$0	\$65,000	\$290,000
CIPLF21030	CLOSED LANDFILLS	\$0	\$786,000	\$0	\$0	\$0	\$0	\$0	\$786,000
CIPLF78503	LANDFILL CLOSURE (SOUTH)	\$92,315	\$353,500	\$505,000	\$126,250	\$126,250	\$151,500	\$606,000	\$1,960,815
CIPLF78505	LF PHASE CONSTRUCTION (NORTH)	\$4,600,000	\$100,000	\$100,000	\$2,423,000	\$2,827,000	\$100,000	\$4,442,000	\$14,592,000
CIPLF78506	LANDFILL 4x4 REPLACEMENT TRUCKS	\$32,000	\$0	\$39,000	\$0	\$0	\$0	\$411,800	\$482,800
CIPLF78512	FUEL TANKER REPLACEMENT	\$237,600	\$0	\$0	\$0	\$0	\$0	\$262,500	\$500,100
CIPLF78514	SOLID WASTE INSPECTION TRUCKS	\$52,626	\$65,000	\$65,500	\$33,000	\$0	\$0	\$70,000	\$286,126
CIPLF78522	LANDFILL WATER PULL/TRUCK	\$0	\$1,050,000	\$0	\$0	\$0	\$0	\$375,000	\$1,425,000
CIPLF78528	NORTHERN AVE IMPROVEMENTS (MCDOT)	\$247,725	\$0	\$0	\$0	\$0	\$0	\$0	\$247,725
CIPLF78532	AUXILIARY EQUIPMENT	\$33,712	\$440,000	\$0	\$66,000	\$0	\$0	\$40,000	\$579,712

FY 2021-2030 Capital Improvement Program

**Landfill
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPLF78534	STORMWATER CONTROLS	\$997,821	\$282,300	\$282,300	\$292,400	\$302,500	\$302,500	\$857,000	\$3,316,821
CIPLF78535	LANDFILL GAS EXTRACTION SYSTEM	\$280,000	\$272,400	\$403,500	\$504,500	\$302,600	\$282,400	\$1,211,000	\$3,256,400
Grand Total		\$6,727,416	\$4,331,400	\$11,569,300	\$5,002,350	\$4,108,350	\$836,400	\$17,270,300	\$49,845,516

FY 2021-2030 Capital Improvement Program

Landfill
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
6110-Landfill	\$6,727,416	\$4,331,400	\$11,569,300	\$5,002,350	\$4,108,350	\$836,400	\$17,270,300	\$49,845,516
Grand Total	\$6,727,416	\$4,331,400	\$11,569,300	\$5,002,350	\$4,108,350	\$836,400	\$17,270,300	\$49,845,516

LANDFILL COMPACTOR REPLACEMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF19019

Project Number: CIPLF19019

Description

This project provides funding for the rebuild and replacement of the landfill compactors.

Justification

Compactors are essential pieces of equipment used on a daily basis for the proper placement and compaction of solid waste to prepare and better utilize soil cover material within the landfill, meeting regulatory permit requirements of the landfill. The compactors are equipped with GPS systems which maximizes landfill compaction, improves safety, and effective airspace management.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill	\$600,000	\$1,400,000				\$2,100,000	\$4,100,000
Grand Total		\$600,000	\$1,400,000				\$2,100,000	\$4,100,000

BULLDOZER REPLACEMENTS AND REBUILDS

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF19024

Project Number: CIPLF19024

Description

This project provides for the rebuild and replacement of the landfill bulldozers. The D-8 bulldozer is scheduled for replacement in 2022. The D-9 is scheduled for replacement in 2023. Tracks for the D-6 will be replaced in 2023.

Justification

Bulldozers are essential pieces of equipment to ensure that waste is effectively and efficiently placed per the landfill design specifications. Bulldozers are utilized for a multitude of necessary landfill applications; landfill cell construction; soil placement, and establishing various haul roads for equipment and customer access. Bulldozers are critical tools to maximize landfill operation efficiency and to meet regulatory permit requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill		\$1,300,000	\$1,400,000			\$1,900,000	\$4,600,000
Grand Total			\$1,300,000	\$1,400,000			\$1,900,000	\$4,600,000

NORTH CELL LINER

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF19025

Project Number: CIPLF19025

Description

This project is for design and construction of the liner for the North Cell at the Glendale Municipal Landfill.

Justification

Landfill Liners are required per ADEQ’s regulatory review and permitting process. This liner provides a protective barrier to prevent potential groundwater contamination, and a permit requirement with the Arizona Department of Environmental Quality.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6110-Landfill	\$0	\$7,400,000	\$0			\$3,000,000	\$10,400,000
DESIGN	6110-Landfill	\$157,200	\$0	\$157,200			\$0	\$314,400
PUBLIC ART	6110-Landfill	\$0	\$74,000	\$0			\$30,000	\$104,000
Grand Total		\$157,200	\$7,474,000	\$157,200			\$3,030,000	\$10,818,400

LANDFILL MOTOR GRADER REPLACEMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF19090

Project Number: CIPLF19090

Description

This project is for the replacement of the motor grader that is expected to reach the end of its serviceable life in FY 2024. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund.

Justification

The motor grader is an essential piece of support equipment that is the primary asset used to establish and maintain the temporary roads on the active portion of the landfill. It is crucial the landfill roadways are maintained for both heavy equipment and customer vehicles to allow safe access to and from the landfill working face.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill				\$550,000			\$550,000
Grand Total					\$550,000			\$550,000

LANDFILL SCRAPER EQUIPMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF19091

Project Number: CIPLF19091

Description

This project provides for the rebuild and/or replacement of the landfill scraper.

Justification

The scraper is an essential piece of support equipment that excavates, transports, and stockpiles soil used for covering waste disposed of at the landfill. A replacement is scheduled between 2026 and 2030 depending on the existing scraper’s condition. The scraper effectively enables the City to meet the regulatory requirements of its permit.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill						\$1,900,000	\$1,900,000
Grand Total							\$1,900,000	\$1,900,000

CLOSED LANDFILL

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF20009

Project Number: CIPLF20009

Description

Closed landfills may need site maintenance from time to time (improvements to grading, drainage, fencing, landscaping and flare station maintenance, etc.). Part of this funding is for work at the closed landfill site located at 103rd Ave. and the Butler Dr. alignment. Funds will replace existing fencing on the south side of the site and provide drainage, grading, landscaping and access improvements.

Justification

Closed landfills may require maintenance from time to time. Improvements can include grading, drainage, fencing, landscaping, and flare station maintenance for example.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$53,618						\$53,618
Grand Total		\$53,618						\$53,618

SCALE HOUSE PEDESTRIAN LANDING

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF20040

Project Number: CIPLF20040

Description

A pedestrian landing is being constructed for the Scale House, so drivers can safely access the scale house building from the scale to complete transactions at the scale house service window.

Justification

The construction of the landing will mitigate the safety concern at the scale house.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$100,000						\$100,000
Grand Total		\$100,000						\$100,000

LANDFILL GPS SYSTEM EQUIPMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF21029

Project Number: CIPLF21029

Description

GPS systems are utilized on the landfill equipment to assist the operators in developing the landfill per engineering designs.

Justification

It is necessary to upgrade the current outdated GPS equipment that is no longer supported. The GPS equipment is critical for managing airspace efficiencies and operator safety. Efficiency and safety are realized by eliminating unnecessary operation of landfill equipment, allowing the operators to build the landfill by design the first time in a much safer manner.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill	\$225,000					\$65,000	\$290,000
Grand Total		\$225,000					\$65,000	\$290,000

CLOSED LANDFILLS

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF21030

Project Number: CIPLF21030

Description

This project funds closed landfills that require ongoing maintenance including: grading, drainage, fencing, landscaping, and gas management. Part of this funding is for work at the closed landfill site located at 103rd Ave. and the Butler Dr. alignment.

Justification

Closed landfills may require maintenance from time to time. Improvements can include grading, drainage, fencing, landscaping, and gas management.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6110-Landfill	\$750,000						\$750,000
DESIGN	6110-Landfill	\$28,500						\$28,500
PUBLIC ART	6110-Landfill	\$7,500						\$7,500
Grand Total		\$786,000						\$786,000

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$225,000
Grand Total			\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$225,000

LANDFILL CLOSURE (SOUTH)

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78503

Project Number: CIPLF78503

Description

Project provides for closure of the south area of the landfill as its permitted air space approaches capacity.

Justification

The south area of the landfill is required by federal and state law to be closed with a final cover system to include: a vegetative layer, compacted soil layer, gas wells and storm water control. Maintenance of the south area will be ongoing as the north cell is developed. Slope stability; stormwater retention, and erosion control are part of managing the landfill to maintain regulatory compliance.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$92,315	\$0	\$0	\$0	\$0	\$0	\$92,315
CONSTRUCT	6110-Landfill	\$350,000	\$500,000	\$125,000	\$125,000	\$150,000	\$600,000	\$1,850,000
PUBLIC ART	6110-Landfill	\$3,500	\$5,000	\$1,250	\$1,250	\$1,500	\$6,000	\$18,500
Grand Total		\$445,815	\$505,000	\$126,250	\$126,250	\$151,500	\$606,000	\$1,960,815

LF PHASE CONSTRUCTION (NORTH)

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78505

Project Number: CIPLF78505

Description

This project is for soil excavation and stockpiling for the North Cell phased construction at the Glendale Municipal Landfill.

Justification

This activity includes stockpiling of dirt as required for the construction of the North Cell and operation of the South Cell, haul roads, and embankments until final closure. Mandated per regulatory agency requirements for the continued development of the Glendale Municipal Landfill.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$4,600,000	\$0	\$0	\$0	\$0	\$0	\$4,600,000
CONSTRUCT	6110-Landfill	\$0	\$0	\$2,300,000	\$2,700,000	\$0	\$4,200,000	\$9,200,000
DESIGN	6110-Landfill	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$700,000
PUBLIC ART	6110-Landfill	\$0	\$0	\$23,000	\$27,000	\$0	\$42,000	\$92,000
Grand Total		\$4,700,000	\$100,000	\$2,423,000	\$2,827,000	\$100,000	\$4,442,000	\$14,592,000

LANDFILL 4x4 REPLACEMENT TRUCKS

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78506

Project Number: CIPLF78506

Description

This funding is for trucks that are used by key landfill staff to access the landfill site to monitor operations and perform regulatory inspections, to include: FY2022, replacement of one field truck, and six trucks between 2026 and 2030 include: 2 Field/Supv; a Mechanic Service; Inspector and crew utility trucks.

Justification

Trucks are critical to transport landfill personnel to locations throughout the landfill site to ensure operations and regulatory compliance is met. Service trucks are required for landfill systems and equipment services maintenance. Conditions of the landfill require the truck fleet to be replaced at minimum every seven to ten years.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$32,000	\$0				\$0	\$32,000
EQUIPMENT	6110-Landfill	\$0	\$39,000				\$411,800	\$450,800
Grand Total		\$32,000	\$39,000				\$411,800	\$482,800

FUEL TANKER REPLACEMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78512

Project Number: CIPLF78512

Description

This project will fund the replacement of the landfill fuel tanker truck.

Justification

The fuel tanker is an essential piece of support equipment that maximizes operational efficiencies and minimizes downtime by having a mobile source for diesel and gasoline refueling at the landfill working face. Particularly, for the large heavy equipment compactors and dozers that are too cumbersome to transport efficiently to the stationary diesel tank.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$237,600					\$0	\$237,600
EQUIPMENT	6110-Landfill	\$0					\$262,500	\$262,500
Grand Total		\$237,600					\$262,500	\$500,100

SOLID WASTE INSPECTION TRUCKS

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78514

Project Number: CIPLF78514

Description

This funding provides for the replacement of trucks in the Recycling Division. Currently, there are 7 half-ton extended cab pick-up trucks with lift gates in the Solid Waste Management fleet. Trucks will be replaced as follows: 2 in 2021; 2 in 2022; 1 in 2023, and 2 in 2026 thru 2030.

Justification

Trucks enable the inspectors to provide quality control by education and mandated inspections of solid waste containers in accordance with Maricopa County Regulations in order to have a refuse variance of collection and to improve the quality of recycled material.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$52,626	\$0	\$0			\$0	\$52,626
EQUIPMENT	6110-Landfill	\$65,000	\$65,500	\$33,000			\$70,000	\$233,500
Grand Total		\$117,626	\$65,500	\$33,000			\$70,000	\$286,126

LANDFILL WATER PULL/TRUCK

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78522

Project Number: CIPLF78522

Description

This project funds the replacement of the larger primary water truck in 2021. Increased budget reflects a recent quote based on a larger volume water pull, better suited for landfill growth.

Justification

The primary water truck is a critical piece of support equipment for reducing dust and maintaining compliance with the existing air quality permit. Upgrading this truck better prepares the operation for the north cell expansion.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6110-Landfill	\$1,050,000					\$375,000	\$1,425,000
Grand Total		\$1,050,000					\$375,000	\$1,425,000

NORTHERN AVE IMPROVEMENTS (MCDOT)

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78528

Project Number: CIPLF78528

Description

This project provides funding for block wall that will extend west along the landfill property at 115th Ave. & Northern. The relocation of approximately 20 existing cacti that are to be removed due to Northern Ave. Parkway project. There are currently forty cacti along the right-of-way that were sold to MCDOT. 20 of the cacti will be donated to the Northern Ave. project, 20 will be relocated Landfill property at Glendale’s expense.

Justification

This is part of MDCOT’s Northern Parkway Project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$247,725						\$247,725
Grand Total		\$247,725						\$247,725

AUXILIARY EQUIPMENT

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78532

Project Number: CIPLF78532

Description

This project funds the replacement of auxiliary equipment needed by the landfill. This includes light towers, air compressors, skid steers, and a lube trailer. FY2023 will include replacing a light tower and skid steer tractor. FY2026 includes replacing a forklift.

Justification

This funding is intended to replace equipment that has met or exceeded its serviceable life or is not economical to rebuild. This equipment performs a multitude of critical functions that are required to maintain landfill operations efficiently and effectively to meet the landfill regulatory permit requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$33,712		\$0			\$0	\$33,712
EQUIPMENT	6110-Landfill	\$440,000		\$66,000			\$40,000	\$546,000
Grand Total		\$473,712		\$66,000			\$40,000	\$579,712

STORMWATER CONTROLS

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78534

Project Number: CIPLF78534

Description

This project provides funding for stormwater controls for the Glendale Municipal Landfill include berms, culvert down drains, and channels required to stabilize the landfill footprint.

Justification

Construction and maintenance of these stormwater controls is mandated by the landfill’s regulatory permit with the Arizona Department of Environmental Quality.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$997,821	\$0	\$0	\$0	\$0	\$0	\$997,821
CONSTRUCT	6110-Landfill	\$230,000	\$230,000	\$240,000	\$250,000	\$250,000	\$700,000	\$1,900,000
DESIGN	6110-Landfill	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$150,000	\$400,000
PUBLIC ART	6110-Landfill	\$2,300	\$2,300	\$2,400	\$2,500	\$2,500	\$7,000	\$19,000
Grand Total		\$1,280,121	\$282,300	\$292,400	\$302,500	\$302,500	\$857,000	\$3,316,821

LANDFILL GAS EXTRACTION SYSTEM

Package Number
FY21-30CIP

Project Type
Landfill

Project Number
CIPLF78535

Project Number: CIPLF78535

Description

This project funds modifications to the Landfill Gas Extraction System (LGES) includes vertical wellheads, new laterals and horizontal collectors and are required to provide the collection of landfill gas created from the placement of trash.

Justification

Modifications and improvements to the LGES are required to meet the regulatory permit requirements for the landfill.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6110-Landfill	\$280,000	\$0	\$0	\$0	\$0	\$0	\$280,000
CONSTRUCT	6110-Landfill	\$240,000	\$350,000	\$450,000	\$260,000	\$240,000	\$1,100,000	\$2,640,000
DESIGN	6110-Landfill	\$30,000	\$50,000	\$50,000	\$40,000	\$40,000	\$100,000	\$310,000
PUBLIC ART	6110-Landfill	\$2,400	\$3,500	\$4,500	\$2,600	\$2,400	\$11,000	\$26,400
Grand Total		\$552,400	\$403,500	\$504,500	\$302,600	\$282,400	\$1,211,000	\$3,256,400

FY 2021-2030 Capital Improvement Program

**Library
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPLB19045	VELMA TEAGUE LIBRARY RENOVATION				\$642,318	\$3,801,805	\$975,341	\$0	\$5,419,464
CIPLB19046	MAIN LIBRARY RENOVATION				\$1,284,888	\$0	\$7,754,035	\$2,217,203	\$11,256,126
CIPLB19066	FOOTHILLS LIBRARY RENOVATION				\$0	\$866,000	\$0	\$6,796,575	\$7,662,575
Grand Total					\$1,927,206	\$4,667,805	\$8,729,376	\$9,013,778	\$24,338,165

FY 2021-2030 Capital Improvement Program

Library
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
4100-Library Construction				\$1,927,206	\$4,667,805	\$8,729,376	\$9,013,778	\$24,338,165
Grand Total				\$1,927,206	\$4,667,805	\$8,729,376	\$9,013,778	\$24,338,165

VELMA TEAGUE LIBRARY RENOVATION

Package Number
FY21-30CIP

Project Type
Library

Project Number
CIPLB19045

Project Number: CIPLB19045

Description

This project is to update the entire library including all building systems – electrical, plumbing, interior, exterior, and HVAC, as well as functionality improvements. Facility condition is being assessed in FY20, and results will refine the project.

Justification

This library was constructed in 1971 and needs updating to serve the programmatic needs of the community. It is anticipated that the assessment will indicate substantial building infrastructure needs.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4100-Library Construction			\$0	\$3,162,560	\$790,640		\$3,953,200
CONTGNCY	4100-Library Construction			\$0	\$325,000	\$85,000		\$410,000
DESIGN	4100-Library Construction			\$642,318	\$160,579	\$0		\$802,897
EQUIPMENT	4100-Library Construction			\$0	\$0	\$61,285		\$61,285
INTRNL CHG	4100-Library Construction			\$0	\$122,040	\$30,510		\$152,550
PUBLIC ART	4100-Library Construction			\$0	\$31,626	\$7,906		\$39,532
Grand Total				\$642,318	\$3,801,805	\$975,341		\$5,419,464

MAIN LIBRARY RENOVATION

Package Number
FY21-30CIP

Project Type
Library

Project Number
CIPLB19046

Project Number: CIPLB19046

Description

This project is to renew all building systems, including interior renewal and functional remodeling, roofing (skylights), HVAC, ADA, and plumbing. Equipment and technology updates are also included. Facility condition is being assessed in FY20 and the results will refine the project.

Justification

The library was built in 1997. This project is necessary to extend the life of the structure, to improve library services, community experience, and improve the lives of the people we serve.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4100-Library Construction			\$0		\$6,424,440	\$1,606,110	\$8,030,550
CONTGNCY	4100-Library Construction			\$0		\$700,000	\$200,000	\$900,000
DESIGN	4100-Library Construction			\$1,284,888		\$321,222	\$0	\$1,606,110
EQUIPMENT	4100-Library Construction			\$0		\$0	\$334,000	\$334,000
INTRNL CHG	4100-Library Construction			\$0		\$244,129	\$61,032	\$305,161
PUBLIC ART	4100-Library Construction			\$0		\$64,244	\$16,061	\$80,305
Grand Total				\$1,284,888		\$7,754,035	\$2,217,203	\$11,256,126

FOOTHILLS LIBRARY RENOVATION

Package Number
FY21-30CIP

Project Type
Library

Project Number
CIPLB19066

Project Number: CIPLB19066

Description

Renovation and updating of Foothills Library to major building systems, and modernization of the functions, technology, and equipment. Costs will be refined as assessment is conducted.

Justification

The library was built in 1997. This project is necessary to extend the life of the structure, to improve library services, community experience, and improve the lives of the people we serve.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4100-Library Construction				\$0		\$5,412,500	\$5,412,500
CONTGNCY	4100-Library Construction				\$0		\$811,875	\$811,875
DESIGN	4100-Library Construction				\$866,000		\$216,500	\$1,082,500
EQUIPMENT	4100-Library Construction				\$0		\$95,900	\$95,900
INTRNL CHG	4100-Library Construction				\$0		\$205,675	\$205,675
PUBLIC ART	4100-Library Construction				\$0		\$54,125	\$54,125
Grand Total					\$866,000		\$6,796,575	\$7,662,575

FY 2021-2030 Capital Improvement Program

Parking Lots
Summary by Project

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPPL19059	RENEW PARKING GARAGES / LOTS							\$5,869,249	\$5,869,249
Grand Total								\$5,869,249	\$5,869,249

FY 2021-2030 Capital Improvement Program

Parking Lots
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
1080-General Government Capital Prj							\$5,869,249	\$5,869,249
Grand Total							\$5,869,249	\$5,869,249

RENEW PARKING GARAGES / LOTS

Package Number
FY21-30CIP

Project Type
Parking Lots

Project Number
CIPPL19059

Project Number: CIPPL19059

Description

This project is to repair the existing parking garages and parking lots across the city. Parking garages and lots associated with business-critical buildings are the highest priority. Repairs to the City Hall parking garage are programmed for FY2021. Other priority parking lots in need of capital repairs include Fire Station 157, Gateway Public Safety, Foothills Public Safety, and GRPSTC. Assessments of parks are still ongoing, and results will determine priorities.

Justification

Programmatic repair/renewal of parking lots will reduce long term life cycle costs, reduce safety concerns, improve the city’s brand/image and enable provision of service delivery to the community, aligning resources with the City’s strategic priorities and the Building Asset Philosophy.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	1080-General Government C..						\$4,970,000	\$4,970,000
CONTGNCY	1080-General Government C..						\$135,689	\$135,689
DESIGN	1080-General Government C..						\$525,000	\$525,000
INTRNL CHG	1080-General Government C..						\$188,860	\$188,860
PUBLIC ART	1080-General Government C..						\$49,700	\$49,700
Grand Total							\$5,869,249	\$5,869,249

FY 2021-2030 Capital Improvement Program

**Parks
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPPK19005	PARKS MASTER PLAN UPDATE	\$29,914	\$0	\$0	\$0	\$0	\$0	\$0	\$29,914
CIPPK19008	SAHUARO RANCH PARK IMPROVEMENTS	\$9,309	\$0	\$0	\$0	\$0	\$0	\$0	\$9,309
CIPPK19032	PARK GROUND AND IRRIGATION	\$0	\$127,286	\$1,060,716	\$933,430	\$0	\$0	\$0	\$2,121,432
CIPPK19033	PARK LIGHTING	\$0	\$98,470	\$820,583	\$820,583	\$820,583	\$722,113	\$0	\$3,282,332
CIPPK19034	PARK INFRASTRUCTURE IMPROVEMENTS	\$0	\$0	\$10,500,000	\$10,500,000	\$10,500,000	\$9,240,000	\$0	\$40,740,000
CIPPK19035	PARK PLAY STRUCTURES	\$0	\$0	\$798,750	\$798,750	\$798,750	\$798,750	\$0	\$3,195,000
CIPPK19036	HEROES REGIONAL PARK LAKE	\$126,669	\$0	\$4,203,361	\$0	\$0	\$0	\$0	\$4,330,030
CIPPK19077	THUNDERBIRD CONSV. PARK IMPS	\$0	\$0	\$0	\$0	\$0	\$0	\$11,629,200	\$11,629,200
CIPPK19094	PARKS ASSESSMENT	\$16,525	\$0	\$0	\$0	\$0	\$0	\$0	\$16,525
CIPPK20031	O'NEIL PARK SPLASH PAD	\$0	\$1,260,000	\$0	\$0	\$0	\$0	\$0	\$1,260,000
CIPPK21033	HEROES REGIONAL PARK BUILD OUT	\$0	\$0	\$0	\$0	\$0	\$0	\$46,400,000	\$46,400,000
CIPPK70546	SAHUARO RANCH PARK MASTER PLAN	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
CIPPK72808	THUNDERBIRD PARK IMPROVEMENTS	\$150,000	\$176,795	\$0	\$0	\$0	\$0	\$0	\$326,795
CIPPK73475	CITYWIDE PARK IMPROVEMENTS	\$105,917	\$0	\$0	\$0	\$0	\$0	\$0	\$105,917
CIPPK73576	FOOTHILLS PARK PICKLEBALL COURTS	\$127,789	\$66,330	\$0	\$0	\$0	\$0	\$0	\$194,119
CIPPK73625	NEW RIVER TRAIL ZONE 2 WEST	\$58,312	\$0	\$0	\$0	\$0	\$0	\$0	\$58,312
CIPPK77516	AMPHITHEATER RENOVATIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$2,872,624	\$2,872,624

FY 2021-2030 Capital Improvement Program

Parks
Summary by Project

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
Grand Total		\$624,435	\$2,028,881	\$17,383,410	\$13,052,763	\$12,119,333	\$10,760,863	\$60,901,824	\$116,871,509

FY 2021-2030 Capital Improvement Program

**Parks
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
2160-Other Grants	\$9,309	\$0	\$0	\$0	\$0	\$0	\$0	\$9,309
4050-Parks Construction	\$143,194	\$1,485,756	\$17,383,410	\$13,052,763	\$12,119,333	\$10,760,863	\$46,400,000	\$101,345,319
4060-Government Facilities	\$0	\$0	\$0	\$0	\$0	\$0	\$2,872,624	\$2,872,624
4080-Cultural Facility	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
4090-Open Space/Trail Construction	\$0	\$176,795	\$0	\$0	\$0	\$0	\$11,629,200	\$11,805,995
4240-DIF Citywide Parks	\$105,917	\$0	\$0	\$0	\$0	\$0	\$0	\$105,917
4290-DIF Citywide Open Space	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
4320-DIF Parks and Rec Zone 1 East	\$127,789	\$66,330	\$0	\$0	\$0	\$0	\$0	\$194,119
4330-DIF Parks & Rec Zone 2 west 101	\$88,226	\$0	\$0	\$0	\$0	\$0	\$0	\$88,226
Grand Total	\$624,435	\$2,028,881	\$17,383,410	\$13,052,763	\$12,119,333	\$10,760,863	\$60,901,824	\$116,871,509

PARKS MASTER PLAN UPDATE

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19005

Project Number: CIPPK19005

Description

This project funding source is Development Impact Fees (DIF) which are designed to cover a city’s increased costs for providing new or expanded infrastructure. The project is for the replacement of the existing Parks and Recreation master plan that is 26 years old. The plan update will incorporate and update the existing Thunderbird Conservation Park Master Plan and the Open Space and Trails master plans.

Justification

The current Parks and Recreation Master Plan was originally approved in 2002 and updated in 2011.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4330-DIF Parks &Rec Zone 2..	\$29,914						\$29,914
Grand Total		\$29,914						\$29,914

SAHUARO RANCH PARK IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19008

Project Number: CIPPK19008

Description

This project will continue the replacement of aging amenities in the historic area’s 13 original buildings and adjacent areas. A separate assessment of the current historic infrastructure will be completed to determine criteria for replacement. Staff will continue to make potential safety items the highest priority and address as much of the replacement items until funding is depleted.

Justification

Replacement and renovation of historic infrastructure to address priority items identified in the assessment recommendations.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	2160-Other Grants	\$9,309						\$9,309
Grand Total		\$9,309						\$9,309

PARK GROUND AND IRRIGATION

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19032

Project Number: CIPPK19032

Description

This is phase one of replacing aging irrigation in selected parks. Items could include controllers, valves, main line and lateral pipe, spray head, drip and rain/flow sensors. The system will be operated with Bluetooth and satellite based technology.

Justification

Replacement of aging infrastructure in parks as per the current Parks and Recreation Master Plan and what was most important to residents; “maintain and improve what we have”.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4050-Parks Construction	\$0	\$779,258	\$779,258				\$1,558,516
CONTGNCY	4050-Parks Construction	\$0	\$106,072	\$106,072				\$212,144
DESIGN	4050-Parks Construction	\$127,286	\$127,286	\$0				\$254,572
INTRNL CHG	4050-Parks Construction	\$0	\$40,307	\$40,307				\$80,614
PUBLIC ART	4050-Parks Construction	\$0	\$7,793	\$7,793				\$15,586
Grand Total		\$127,286	\$1,060,716	\$933,430				\$2,121,432

PARK LIGHTING

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19033

Project Number: CIPPK19033

Description

This is phase one of replacing aging lighting in selected parks. Items could include security, site parking, field lighting and electrical service section, panels, wiring and conduit.

Justification

Replacement of aging infrastructure in parks as per the current Parks and Recreation Master Plan and what was most important to residents; “maintain and improve what we have”.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4050-Parks Construction	\$0	\$602,844	\$602,844	\$602,844	\$602,844		\$2,411,376
CONTGNCY	4050-Parks Construction	\$0	\$82,058	\$82,058	\$82,058	\$82,058		\$328,232
DESIGN	4050-Parks Construction	\$98,470	\$98,470	\$98,470	\$98,470	\$0		\$393,880
INTRNL CHG	4050-Parks Construction	\$0	\$31,183	\$31,183	\$31,183	\$31,183		\$124,732
PUBLIC ART	4050-Parks Construction	\$0	\$6,028	\$6,028	\$6,028	\$6,028		\$24,112
Grand Total		\$98,470	\$820,583	\$820,583	\$820,583	\$722,113		\$3,282,332

PARK INFRASTRUCTURE IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19034

Project Number: CIPPK19034

Description

This is phase one of replacing aging infrastructure in selected parks. Items could include restrooms, ramadas, sidewalks, grills, drinking fountains, picnic tables, parking lots, courts, ballfields, irrigation and shade.

Justification

Replacement of aging amenities in parks as per the current Parks and Recreation Master Plan and what was most important to residents; “maintain and improve what we have”.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4050-Parks Construction		\$7,713,861	\$7,713,861	\$7,713,861	\$7,713,861		\$30,855,444
CONTGNCY	4050-Parks Construction		\$1,050,000	\$1,050,000	\$1,050,000	\$1,050,000		\$4,200,000
DESIGN	4050-Parks Construction		\$1,260,000	\$1,260,000	\$1,260,000	\$0		\$3,780,000
INTRNL CHG	4050-Parks Construction		\$399,000	\$399,000	\$399,000	\$399,000		\$1,596,000
PUBLIC ART	4050-Parks Construction		\$77,139	\$77,139	\$77,139	\$77,139		\$308,556
Grand Total			\$10,500,000	\$10,500,000	\$10,500,000	\$9,240,000		\$40,740,000

PARK PLAY STRUCTURES

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19035

Project Number: CIPPK19035

Description

This is phase one of replacing aging play structures in selected parks. Items could include playgrounds, spring toys, swings, containment/safety surfacing and shade.

Justification

Replacement of aging amenities in parks as per the current Parks and Recreation Master Plan and what was most important to residents; “maintain and improve what we have”.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONTGNCY	4050-Parks Construction		\$79,875	\$79,875	\$79,875	\$79,875		\$319,500
EQUIPMENT	4050-Parks Construction		\$718,875	\$718,875	\$718,875	\$718,875		\$2,875,500
Grand Total			\$798,750	\$798,750	\$798,750	\$798,750		\$3,195,000

HEROES REGIONAL PARK LAKE

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19036

Project Number: CIPPK19036

Description

This project is for the construction of an urban lake at Heroes Regional Park. The originally approved concept is for an urban lake sized to provide the necessary pumping and irrigation system needs for the proposed turf and landscaping throughout the park and provide storage capacity. The lake would be part of the Urban Fishing Program. An analysis of current lake requirements is underway to determine phasing the design and construction.

Justification

This project is for the phased design and construction of the Heroes Regional Park Lake per the originally approved 2005 Design Concept Report.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4050-Parks Construction	\$126,669	\$0					\$126,669
CONSTRUCT	4050-Parks Construction	\$0	\$3,587,423					\$3,587,423
CONTGNCY	4050-Parks Construction	\$0	\$420,336					\$420,336
INTRNL CHG	4050-Parks Construction	\$0	\$159,728					\$159,728
PUBLIC ART	4050-Parks Construction	\$0	\$35,874					\$35,874
Grand Total		\$126,669	\$4,203,361					\$4,330,030

THUNDERBIRD CONSV. PARK IMPS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19077

Project Number: CIPPK19077

Description

This project addresses key items developed through public input for the 2011 Glendale Parks and Recreation Master Plan Update. This request is for replacement of aging infrastructure at Thunderbird Conservation Park including repair of existing trails, and replacement/addition of restrooms, ramadas, parking spaces, and roadways.

Justification

This project meets important elements of the master plan including Care of Infrastructure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4090-Open Space/Trail Cons..						\$8,442,248	\$8,442,248
CONTGNCY	4090-Open Space/Trail Cons..						\$1,162,920	\$1,162,920
DESIGN	4090-Open Space/Trail Cons..						\$1,497,700	\$1,497,700
INTRNL CHG	4090-Open Space/Trail Cons..						\$441,910	\$441,910
PUBLIC ART	4090-Open Space/Trail Cons..						\$84,422	\$84,422
Grand Total							\$11,629,200	\$11,629,200

PARKS ASSESSMENT

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK19094

Project Number: CIPPK19094

Description

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4050-Parks Construction	\$16,525						\$16,525
Grand Total		\$16,525						\$16,525

O'NEIL PARK SPLASH PAD

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK20031

Project Number: CIPPK20031

Description

This project is the design and construction of a new splashpad at O'Neil Park. The project will include the splashpad area, safety surfacing, spray amenities, associated plumbing and pumps, site utilities, seat benches, walkway and shade.

Justification

This project is being developed per City Council direction and will replace previous aquatics facilities for the park service area and adjacent neighborhoods.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4050-Parks Construction	\$1,260,000						\$1,260,000
Grand Total		\$1,260,000						\$1,260,000

HEROES REGIONAL PARK BUILD OUT

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK21033

Project Number: CIPPK21033

Description

This project is for the build out of the remaining amenities at Heroes Regional Park per the previously approved design concept plan to include: recreation and aquatics center, lighted soccer and baseball/softball fields, turf and irrigation system, parking, walkways, fencing, security lighting and related park amenities.

Justification

This project is for the completion of the improvements at Heroes Regional Park per the originally approved 2005 design Concept Report.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4050-Parks Construction						\$38,000,000	\$38,000,000
CONTGNCY	4050-Parks Construction						\$3,500,000	\$3,500,000
DESIGN	4050-Parks Construction						\$3,000,000	\$3,000,000
INTRNL CHG	4050-Parks Construction						\$1,500,000	\$1,500,000
PUBLIC ART	4050-Parks Construction						\$400,000	\$400,000
Grand Total							\$46,400,000	\$46,400,000

SAHUARO RANCH PARK MASTER PLAN

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK70546

Project Number: CIPPK70546

Description

This project will include developing a master plan for the 17 acre, historic area of Sahuaro Ranch Park which includes 13 original buildings, a rose garden, barnyard and historic orchards. The historic area has been a cultural asset that celebrates the city’s historic beginnings. Listed on the National Registry of Historic Places and known as the “Showplace of the Valley,” the Sahuaro Ranch Historic Area offers activities, exhibits and guided tours—keeping the history of early settlement in the Valley alive.

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONTGNCY	4080-Cultural Facility	\$25,000						\$25,000
STUDY	4080-Cultural Facility	\$275,000						\$275,000
Grand Total		\$300,000						\$300,000

THUNDERBIRD PARK IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK72808

Project Number: CIPPK72808

Description

This project is for trail improvements at Thunderbird Park per completed study. The improvements will accommodate increased use and demand at the park using current trail improvement standards and best practices.

Justification

This project addresses aging amenities in parks as per the current Parks and Recreation Master Plan and what was most important to residents; “maintain and improve what we have”.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4290-DIF Citywide Open Spa..	\$150,000						\$150,000
CONSTRUCT	4090-Open Space/Trail Cons..	\$150,888						\$150,888
CONTGNCY	4090-Open Space/Trail Cons..	\$17,680						\$17,680
INTRNL CHG	4090-Open Space/Trail Cons..	\$6,718						\$6,718
PUBLIC ART	4090-Open Space/Trail Cons..	\$1,509						\$1,509
Grand Total		\$326,795						\$326,795

CITYWIDE PARK IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK73475

Project Number: CIPPK73475

Description

“This project funding source is Development Impact Fees (DIF) which are designed to cover a city’s increased costs for providing new or expanded infrastructure. The project would include the construction of additional amenities at DIF eligible parks. This project meets the 2011 Parks and Recreation Master Plan’s primary action plan goals of ““Develop and improve shade structures and amenities in parks”” and ““Revitalize conditions of neighborhood parks””.

Justification

Construction of addition amenities due to increased demand and growth and as recommended in the current Parks and Recreation master plan.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4240-DIF Citywide Parks	\$105,917						\$105,917
Grand Total		\$105,917						\$105,917

FOOTHILLS PARK PICKLEBALL COURTS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK73576

Project Number: CIPPK73576

Description

This project is for the construction of new pickleball courts at Foothills Park to accommodate increased interest and demand in the community.

Justification

This project addresses aging amenities in parks as per the current Parks and Recreation Master Plan key strategy of “Maintain and enhance park and recreation facilities and programs to promote community interaction, healthy lifestyles and safety.”

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4320-DIF Parks and Rec Zon..	\$127,789						\$127,789
CONSTRUCT	4320-DIF Parks and Rec Zon..	\$56,614						\$56,614
CONTGNCY	4320-DIF Parks and Rec Zon..	\$6,630						\$6,630
INTRNL CHG	4320-DIF Parks and Rec Zon..	\$2,520						\$2,520
PUBLIC ART	4320-DIF Parks and Rec Zon..	\$566						\$566
Grand Total		\$194,119						\$194,119

NEW RIVER TRAIL ZONE 2 WEST

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK73625

Project Number: CIPPK73625

Description

This project funding source is Development Impact Fees (DIF) which are designed to cover a city's increased costs for providing new or expanded infrastructure. The New River Trail system is an important link to a region-wide multi-use trail system that connects Glendale with adjacent regional trail systems. This project is to develop a trail map and sign design that identifies City of Glendale segments within the larger trail network and guides users through the system.

Justification

This project will address increased usage and help direct users in a recently expanded trail system that now connects to adjacent trail networks.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4330-DIF Parks &Rec Zone 2..	\$58,312						\$58,312
Grand Total		\$58,312						\$58,312

AMPHITHEATER RENOVATIONS

Package Number
FY21-30CIP

Project Type
Parks

Project Number
CIPPK77516

Project Number: CIPPK77516

Description

Renovations of the E Lowell Rogers Amphitheater at City Hall. Design is slated for FY23. Construction in FY2024. Construction includes renovation of basement of Council Changers. O&M does not include personnel or maintenance of audio-visual equip.

Justification

The Amphitheater does not adequately serve as a performance venue. Much of the equipment & systems are in poor condition & must be replaced. The public experience is poor & does not meet modern accessibility standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4060-Government Facilities						\$2,542,434	\$2,542,434
DESIGN	4060-Government Facilities						\$202,000	\$202,000
INTRNL CHG	4060-Government Facilities						\$101,484	\$101,484
PUBLIC ART	4060-Government Facilities						\$26,706	\$26,706
Grand Total							\$2,872,624	\$2,872,624

FY 2021-2030 Capital Improvement Program

**Public Safety
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPPS19028	CITY PROSECUTOR REMODEL	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
CIPPS19029	REPL./REM. FIRE STATION #153	\$0	\$0	\$470,000	\$4,720,000	\$0	\$0	\$0	\$5,190,000
CIPPS19030	NEW POLICE EVIDENCE STORAGE	\$0	\$0	\$100,000	\$9,500,000	\$0	\$0	\$0	\$9,600,000
CIPPS19031	CITY COURT REMODEL	\$0	\$0	\$400,000	\$3,600,000	\$0	\$0	\$0	\$4,000,000
CIPPS19041	MAIN PUBLIC SAFETY BLDG REMODEL	\$0	\$0	\$0	\$878,490	\$17,025,136	\$0	\$0	\$17,903,626
CIPPS19042	FOOTHILLS POLICE STATION REMODEL	\$0	\$0	\$0	\$100,000	\$0	\$320,000	\$3,295,748	\$3,715,748
CIPPS19043	GATEWAY POLICE STATION REMODEL	\$0	\$0	\$0	\$100,000	\$330,000	\$4,596,328	\$0	\$5,026,328
CIPPS19044	RENOVATE FIRE STATION #154	\$0	\$0	\$0	\$200,000	\$2,425,000	\$0	\$0	\$2,625,000
CIPPS19049	FIRE STATION - WESTERN AREA	\$0	\$0	\$0	\$0	\$0	\$0	\$12,662,463	\$12,662,463
CIPPS19050	REPL./REM. FIRE STATION #155	\$0	\$0	\$0	\$0	\$470,000	\$4,720,000	\$0	\$5,190,000
CIPPS19051	RENOVATE FIRE STATION #156	\$0	\$0	\$0	\$0	\$0	\$200,000	\$2,425,000	\$2,625,000
CIPPS19052	RENOVATE FIRE STATION #157	\$0	\$0	\$0	\$0	\$0	\$0	\$2,825,000	\$2,825,000
CIPPS19053	POLICE STATION -WEST AREA	\$0	\$0	\$0	\$0	\$0	\$0	\$2,095,184	\$2,095,184
CIPPS19054	CITY COURT BUILDING	\$0	\$0	\$0	\$0	\$0	\$0	\$37,238,000	\$37,238,000
CIPPS20033	PUBLIC SAFETY BUILDING REMODELS	\$196,483	\$7,532,000	\$0	\$0	\$0	\$0	\$0	\$7,728,483
CIPPS70810	TDMA UPGRADE FOR RWC	\$93,626	\$0	\$0	\$0	\$0	\$0	\$0	\$93,626
CIPPS70814	FIRE APPARATUS REPLACEMENT	\$814,000	\$0	\$442,000	\$2,040,625	\$3,357,200	\$2,592,675	\$7,299,780	\$16,546,280

FY 2021-2030 Capital Improvement Program

**Public Safety
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPPS75039	REMODEL FIRE STATION #152	\$73,056	\$0	\$0	\$0	\$0	\$0	\$0	\$73,056
Grand Total		\$1,177,165	\$7,532,000	\$1,412,000	\$24,139,115	\$23,607,336	\$12,429,003	\$67,841,175	\$138,137,794

FY 2021-2030 Capital Improvement Program

**Public Safety
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
1080-General Government Capital Prj	\$907,626	\$0	\$442,000	\$2,040,625	\$3,357,200	\$2,592,675	\$7,299,780	\$16,639,906
4040-Public Safety Construction	\$269,539	\$7,532,000	\$970,000	\$22,098,490	\$20,250,136	\$9,836,328	\$60,541,395	\$121,497,888
Grand Total	\$1,177,165	\$7,532,000	\$1,412,000	\$24,139,115	\$23,607,336	\$12,429,003	\$67,841,175	\$138,137,794

CITY PROSECUTOR REMODEL

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19028

Project Number: CIPPS19028

Description

This project is to provide new space for the City Prosecutor to replace the existing trailers that are deteriorated and past their useful life. (This project may be deleted with remodel of the Sine Bldg. to accommodate the Prosecutor’s Office as part of the Public Safety Building Remodels project).

Justification

The trailers the Prosecutors are currently housed in are in poor condition and are past their useful life. New space must be provided to continue to provide this critical citizen service.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..			\$2,570,400				\$2,570,400
CONTGNCY	4040-Public Safety Constru..			\$42,960				\$42,960
DESIGN	4040-Public Safety Constru..			\$257,040				\$257,040
INTRNL CHG	4040-Public Safety Constru..			\$102,600				\$102,600
PUBLIC ART	4040-Public Safety Constru..			\$27,000				\$27,000
Grand Total				\$3,000,000				\$3,000,000

REPL./REM. FIRE STATION #153

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19029

Project Number: CIPPS19029

Description

Project is to replace existing FS 153 (59th Ave & Thunderbird) which is nearing the end of its useful life. The new station will include systems (exhaust, laundry, change out area, etc.) to protect firefighters’ health & safety to improve the functionality of the station. Costs will be refined based on design construction estimates.

Justification

The station was constructed in 1974 and components are beyond their useful life. The station house, driveways, and equipment bays require replacement to allow the fire department to continue to provide safe and efficient service to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..		\$0	\$4,493,440				\$4,493,440
DESIGN	4040-Public Safety Constru..		\$470,000	\$0				\$470,000
INTRNL CHG	4040-Public Safety Constru..		\$0	\$179,360				\$179,360
PUBLIC ART	4040-Public Safety Constru..		\$0	\$47,200				\$47,200
Grand Total			\$470,000	\$4,720,000				\$5,190,000

NEW POLICE EVIDENCE STORAGE

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19030

Project Number: CIPPS19030

Description

This project is to design and construct a 30,000 square feet secure warehouse facility for police evidence, property storage and management. This project location and timing will be determined in FY21.

Justification

Police evidence, property storage and management regulatory requirements are increasingly complex and sophisticated. The police department has outgrown their existing capacity and require additional space to meet regulatory requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..		\$0	\$9,044,000				\$9,044,000
DESIGN	4040-Public Safety Constru..		\$100,000	\$0				\$100,000
INTRNL CHG	4040-Public Safety Constru..		\$0	\$361,000				\$361,000
PUBLIC ART	4040-Public Safety Constru..		\$0	\$95,000				\$95,000
Grand Total			\$100,000	\$9,500,000				\$9,600,000

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	\$2,700,000
Grand Total			\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	\$2,700,000

CITY COURT REMODEL

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19031

Project Number: CIPPS19031

Description

This project is to provide needed functionality and infrastructure renewals. Scope includes security upgrades, replacement of fire alarm system, chilled water for HVAC, condensate drain & hot water piping, ceilings & flooring, construct storage addition, furniture, fixtures & roof. Scope may change as portions are programmed in FY21 under Public Safety Building Remodels.

Justification

Constructed in approximately 1989, the building presents functional constraints including security, document storage space, circulation, and court function.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..		\$0	\$3,427,200				\$3,427,200
DESIGN	4040-Public Safety Constru..		\$384,800	\$0				\$384,800
INTRNL CHG	4040-Public Safety Constru..		\$15,200	\$136,800				\$152,000
PUBLIC ART	4040-Public Safety Constru..		\$0	\$36,000				\$36,000
Grand Total			\$400,000	\$3,600,000				\$4,000,000

MAIN PUBLIC SAFETY BLDG REMODEL

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19041

Project Number: CIPPS19041

Description

This project is for design and construction of a complete renovation of the main public safety building to include infrastructure needs as well as functionality. Infrastructure needs identified in the building assessment include HVAC, roof, plumbing, and electrical. Renovation would also include updated security and fire protection systems.

Justification

Components of the building have exceeded their useful life. This location requires significant infrastructure and functionality modernization to meet the business needs of the department.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..			\$0	\$16,207,930			\$16,207,930
DESIGN	4040-Public Safety Constru..			\$878,490	\$0			\$878,490
INTRNL CHG	4040-Public Safety Constru..			\$0	\$646,955			\$646,955
PUBLIC ART	4040-Public Safety Constru..			\$0	\$170,251			\$170,251
Grand Total				\$878,490	\$17,025,136			\$17,903,626

FOOTHILLS POLICE STATION REMODEL

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19042

Project Number: CIPPS19042

Description

This project is for design and construction of a complete renovation of the Foothills police substation to include infrastructure needs as well as functionality. Infrastructure needs identified in the building assessment include roof, exterior finishes, plumbing fixtures and parking. Renovation would also include updated security. Fire protection systems would be re-assessed and replaced if needed. Parking is an identified deficiency and will be evaluated/ fixed in FY20 as part of Public Safety Building Remodel Project. If additional land is necessary, acquisition costs are not included in these estimates.

Justification

The Foothills police substation requires significant infrastructure and functionality modernization to meet the business needs of the police department.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..			\$0		\$0	\$3,137,553	\$3,137,553
DESIGN	4040-Public Safety Constru..			\$100,000		\$320,000	\$0	\$420,000
INTRNL CHG	4040-Public Safety Constru..			\$0		\$0	\$125,238	\$125,238
PUBLIC ART	4040-Public Safety Constru..			\$0		\$0	\$32,957	\$32,957
Grand Total				\$100,000		\$320,000	\$3,295,748	\$3,715,748

GATEWAY POLICE STATION REMODEL

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19043

Project Number: CIPPS19043

Description

This project is for design and construction of a complete renovation of the Gateway police substation to include infrastructure needs as well as functionality. Infrastructure needs identified in the building assessment include roof, and parking. Renovation would also include updated security. Fire protection systems would be re-assessed and replaced if needed. Parking is an identified deficiency and will be evaluated/ fixed in FY20 as part of Public Safety Building Remodel Project. If additional land is necessary, acquisition costs are not included in these estimates.

Justification

The Gateway substation requires significant infrastructure and modernization to meet the business needs of the police department including additional space for parking to continue meeting the needs of the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..			\$0	\$0	\$4,375,705		\$4,375,705
DESIGN	4040-Public Safety Constru..			\$100,000	\$330,000	\$0		\$430,000
INTRNL CHG	4040-Public Safety Constru..			\$0	\$0	\$174,660		\$174,660
PUBLIC ART	4040-Public Safety Constru..			\$0	\$0	\$45,963		\$45,963
Grand Total				\$100,000	\$330,000	\$4,596,328		\$5,026,328

RENOVATE FIRE STATION #154

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19044

Project Number: CIPPS19044

Description

Project is to remodel FS 154 (43rd Ave & Peoria) as infrastructure components have reached the end of their useful life. Renovation will include systems (laundry, change out area, etc.) to protect firefighters health & safety, and functional improvements. Infrastructure needs identified in the building assessment include roof, exterior siding, parking and driveways. Renovation would also include updated security, fire protection systems and plumbing.

Justification

The station was constructed in 1982 and components are beyond their useful life. The station house, drives, and equipment bays require replacement to allow the fire department to continue to provide safe and efficient service to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..			\$0	\$2,308,600			\$2,308,600
DESIGN	4040-Public Safety Constru..			\$200,000	\$0			\$200,000
INTRNL CHG	4040-Public Safety Constru..			\$0	\$92,150			\$92,150
PUBLIC ART	4040-Public Safety Constru..			\$0	\$24,250			\$24,250
Grand Total				\$200,000	\$2,425,000			\$2,625,000

FIRE STATION - WESTERN AREA

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19049

Project Number: CIPPS19049

Description

This project is for the design and construction of a 15,000 square feet, four bay fire station including furniture, fixtures and equipment, 18 personnel, and one engine. (\$156,000 in IT Infrastructure is for Finance Charges).

Justification

Future growth in the area is projected to require an additional station to serve the needs of the community. The station will include space for future expansion as growth demands.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..						\$5,226,000	\$5,226,000
CONTGNCY	4040-Public Safety Constru..						\$1,625,775	\$1,625,775
DESIGN	4040-Public Safety Constru..						\$1,407,000	\$1,407,000
EQUIPMENT	4040-Public Safety Constru..						\$1,601,040	\$1,601,040
INTRNL CHG	4040-Public Safety Constru..						\$198,588	\$198,588
IT INFRAST	4040-Public Safety Constru..						\$156,000	\$156,000
LAND	4040-Public Safety Constru..						\$2,395,800	\$2,395,800
PUBLIC ART	4040-Public Safety Constru..						\$52,260	\$52,260
Grand Total							\$12,662,463	\$12,662,463

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M							\$1,000,000	\$1,000,000
Grand Total							\$1,000,000	\$1,000,000

REPL./REM. FIRE STATION #155

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19050

Project Number: CIPPS19050

Description

Project is to remodel FS 155 (62nd Ave & Union Hills) as infrastructure components have reached the end of their useful life. Renovation will include systems (laundry, change out area, etc.) to protect firefighters health & safety, and functional improvements. Infrastructure needs identified in the building assessment include roof, interior finishes, plumbing, parking and driveways. Renovation would also include updated security, and fire protection systems (if needed).

Justification

The station was constructed in 1988 and components are beyond their useful life. The station house, driveways, and equipment bays require replacement to allow the fire department to continue to provide safe and efficient service to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..				\$0	\$4,493,440		\$4,493,440
DESIGN	4040-Public Safety Constru..				\$470,000	\$0		\$470,000
INTRNL CHG	4040-Public Safety Constru..				\$0	\$179,360		\$179,360
PUBLIC ART	4040-Public Safety Constru..				\$0	\$47,200		\$47,200
Grand Total					\$470,000	\$4,720,000		\$5,190,000

RENOVATE FIRE STATION #156

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19051

Project Number: CIPPS19051

Description

Project is to remodel FS 156 (68th Ave & Deer Valley) as infrastructure components have reached the end of their useful life. Renovation will include systems (laundry, change out area, etc.) to protect firefighters health & safety, and functional improvements. Infrastructure needs identified in the building assessment include roof, plumbing, parking and driveways. Renovation would also include updated security, and fire protection systems (if needed).

Justification

The station was constructed in 1998 and components are beyond their useful life. The station house, driveways, and equipment bays require replacement to allow the fire department to continue to provide safe and efficient service to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..					\$0	\$2,308,600	\$2,308,600
DESIGN	4040-Public Safety Constru..					\$200,000	\$0	\$200,000
INTRNL CHG	4040-Public Safety Constru..					\$0	\$92,150	\$92,150
PUBLIC ART	4040-Public Safety Constru..					\$0	\$24,250	\$24,250
Grand Total						\$200,000	\$2,425,000	\$2,625,000

RENOVATE FIRE STATION #157

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19052

Project Number: CIPPS19052

Description

Project is to remodel FS 157 (59th Ave and Brown) as infrastructure components have reached the end of their useful life. Renovation will include systems (laundry, change out area, etc.) to protect firefighters health & safety, and functional improvements. Infrastructure needs identified in the building assessment include kitchen casework, roof, interior finishes, parking and driveways. Renovation would also include updated security, and fire protection systems (if needed).

Justification

The station was constructed in 1997 and components are reaching the end of their useful life. The station house, driveways, and equipment bays require replacement to allow the fire department to continue to provide safe and efficient service to the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..						\$2,499,000	\$2,499,000
DESIGN	4040-Public Safety Constru..						\$200,000	\$200,000
INTRNL CHG	4040-Public Safety Constru..						\$99,750	\$99,750
PUBLIC ART	4040-Public Safety Constru..						\$26,250	\$26,250
Grand Total							\$2,825,000	\$2,825,000

POLICE STATION -WEST AREA

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19053

Project Number: CIPPS19053

Description

This project is for design & construction of a 4,000 sq. ft police substation in conjunction with the proposed west area fire station. The facility will include future expansion as growth demands. Estimates include furniture, fixtures, and equipment.

Justification

Future growth in the area is projected to require an additional station to serve the needs of the community.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..						\$1,858,000	\$1,858,000
DESIGN	4040-Public Safety Constru..						\$148,000	\$148,000
INTRNL CHG	4040-Public Safety Constru..						\$70,604	\$70,604
PUBLIC ART	4040-Public Safety Constru..						\$18,580	\$18,580
Grand Total							\$2,095,184	\$2,095,184

CITY COURT BUILDING

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS19054

Project Number: CIPPS19054

Description

This project is to complete the new court that was built to ground level in 2009 and stopped. Originally planned at ~90,000 SF, a master plan will evaluate a smaller design.

Justification

The existing Court building, constructed in approximately 1989, has reached the end of its useful life. Building no longer meets the functional needs of the Courts. Lacks adequate security, document storage space, circulation, & court function space.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4040-Public Safety Constru..						\$31,000,000	\$31,000,000
CONTGNCY	4040-Public Safety Constru..						\$3,100,000	\$3,100,000
DESIGN	4040-Public Safety Constru..						\$1,650,000	\$1,650,000
INTRNL CHG	4040-Public Safety Constru..						\$1,178,000	\$1,178,000
PUBLIC ART	4040-Public Safety Constru..						\$310,000	\$310,000
Grand Total							\$37,238,000	\$37,238,000

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M							\$4,972,839	\$4,972,839
Grand Total							\$4,972,839	\$4,972,839

PUBLIC SAFETY BUILDING REMODELS

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS20033

Project Number: CIPPS20033

Description

The \$800,000 in FY20 is for design of 2nd floor GRPSTC for Fire Admin, and design of Sine for Prosecutor, as well as construction of 2nd floor GRPSTC. Projects in FY21(\$7,532,000) include the remodel of Sine (up to \$1.25m); Court imminent needs (up to \$4m); and priority 2 and 3 deficiencies identified as part of Public Safety Buildings assessments. Planned projects include: exhaust venting/removal (all Fire Stations), parking assessments (Foothills, Gateway, FS 157), roof (Gateway), HVAC (Foothills), parking lot subsidence (FS 152), and generator replacement (FS 154). The exact list will depend on individual items costs.

Justification

Many components are at the end of their useful life and require work or replacement in order to provide useable buildings.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4040-Public Safety Constru..	\$196,483						\$196,483
CONSTRUCT	4040-Public Safety Constru..	\$7,170,464						\$7,170,464
INTRNL CHG	4040-Public Safety Constru..	\$286,216						\$286,216
PUBLIC ART	4040-Public Safety Constru..	\$75,320						\$75,320
Grand Total		\$7,728,483						\$7,728,483

TDMA UPGRADE FOR RWC

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS70810

Project Number: CIPPS70810

Description

This project is a multi-year funded project for the TDMA upgrade of the Regional Wireless Cooperative (RWC) communications system. The TDMA technology will allow the RWC to almost double its capacity without the addition of more frequencies. Frequencies are limited in quantity and difficult to obtain. As the valley increases its hosting of major events, the radio system will be taxed. The TDMA technology will ease this burden. While not yet Federally mandated, TDMA is an inevitable technology upgrade. The scope of work includes 100% of the TDMA costs to the city. Departments using the RWC include Police, Fire, Field Ops, and Water Services.

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	1080-General Government C..	\$93,626						\$93,626
Grand Total		\$93,626						\$93,626

FIRE APPARATUS REPLACEMENT

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS70814

Project Number: CIPPS70814

Description

This project is to provide for programmatic replacement of large Fire Department vehicles to ensure the department may provide essential services to the community. All vehicles have slightly different criteria, and are evaluated for replacement for Fire engines at 7 years/100k miles; and for fire ladder trucks at 10 years/100k miles. Current costs for these vehicles are: Ladder Tender - \$470,000; ladders - \$1,450,000; engines - \$711,000. Future years are programmed with a 5% annual increase.

Justification

Programmatic replacement of vehicles will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City’s strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	1080-General Government C..	\$814,000	\$0	\$0	\$0	\$0	\$0	\$814,000
EQUIPMENT	1080-General Government C..	\$0	\$442,000	\$2,040,625	\$3,357,200	\$2,592,675	\$7,299,780	\$15,732,280
Grand Total		\$814,000	\$442,000	\$2,040,625	\$3,357,200	\$2,592,675	\$7,299,780	\$16,546,280

REMODEL FIRE STATION #152

Package Number
FY21-30CIP

Project Type
Public Safety

Project Number
CIPPS75039

Project Number: CIPPS75039

Description

Fire Station 152, located at 69th Avenue and Bethany Home Road, was constructed in 1979. The 12,622 square foot facility is functionally obsolete to meet desired service levels and has several life-safety concerns including cracking floors in the restrooms, overcrowded electrical/data and utility rooms, sewer backups, and asbestos in the flooring. Renovation includes removing all walls, fixtures, appliances, electrical and plumbing, with a complete rebuild of all offices, work areas, and living quarters. The apparatus bays will not be affected during the renovations to ensure regular service delivery. Staff would be relocated to temporary quarters on site during the renovations to minimize the impact on operations.

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4040-Public Safety Constru..	\$73,056						\$73,056
Grand Total		\$73,056						\$73,056

FY 2021-2030 Capital Improvement Program

**Solid Waste
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPSW19026	SOLID WASTE SOFTWARE PROCESS IMP.	\$0	\$100,000	\$200,000	\$200,000	\$0	\$0	\$0	\$500,000
CIPSW19027	REPLACE STREET SWEEPERS	\$267,616	\$0	\$0	\$0	\$324,552	\$340,780	\$597,596	\$1,530,544
CIPSW78001	REPLACE ROLLOFF TRUCKS - COMMERCIAL	\$210,464	\$0	\$231,512	\$0	\$0	\$0	\$471,843	\$913,819
CIPSW78002	FRONTLOAD TRUCKS-COMMERCIAL	\$846,720	\$729,720	\$0	\$401,346	\$0	\$413,386	\$2,077,532	\$4,468,704
CIPSW78003	SIDELOAD TRUCKS-RESIDENTIAL	\$1,305,188	\$1,370,306	\$2,533,755	\$1,855,070	\$1,140,867	\$1,521,156	\$6,023,509	\$15,749,851
CIPSW78004	BULK TRASH EQUIP.-RESIDENTIAL	\$1,301	\$830,495	\$682,146	\$1,538,322	\$862,919	\$750,360	\$2,408,970	\$7,074,513
CIPSW78005	REPLACE PICKUPS / SERVICE TRUCKS	\$25,797	\$100,850	\$135,800	\$35,566	\$0	\$0	\$134,051	\$432,064
CIPSW78009	ALLEY GATING	\$10,863	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$310,863
Grand Total		\$2,667,949	\$3,231,371	\$3,883,213	\$4,130,304	\$2,328,338	\$3,025,682	\$11,713,501	\$30,980,358

FY 2021-2030 Capital Improvement Program

**Solid Waste
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
6120-Solid Waste	\$2,667,949	\$3,231,371	\$3,883,213	\$4,130,304	\$2,328,338	\$3,025,682	\$11,713,501	\$30,980,358
Grand Total	\$2,667,949	\$3,231,371	\$3,883,213	\$4,130,304	\$2,328,338	\$3,025,682	\$11,713,501	\$30,980,358

SOLID WASTE SOFTWARE PROCESS IMP.

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW19026

Project Number: CIPSW19026

Description

A Solid Waste (SW) process system City or Vendor hosted, improves routing efficiency & provides a comprehensive enterprise-level solution for SW operations. Included: system software, in-vehicle mobile devices, configuration/conversion/training & support.

Justification

This software project will be the driver for increasing operating efficiencies for a revenue generating enterprise. Funding in FY 2021 is for implementation; FY2022/FY2023 will be for upgrades.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6120-Solid Waste	\$100,000	\$200,000	\$200,000				\$500,000
Grand Total		\$100,000	\$200,000	\$200,000				\$500,000

REPLACE STREET SWEEPERS

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW19027

Project Number: CIPSW19027

Description

This project is to provide programmatic replacement of large Solid Waste vehicles to ensure the department may provide essential services to the community. SW has 6 street sweepers, each with a lifespan of 7 years requiring replacement over next 10 years. Updated costs include current quotes and inflation of 5% per year for established tariffs. Sweeper replacement plan: FY2024-1, FY 2025-1, 2026-2030-2. MAG grant funding will be considered, upon approval, purchase price will be reduced to 5.7% grant match funding requirement.

Justification

The equipment identified in this project are mandated by State and Federal as part of the PM10 nonattainment areas to improve air quality, reduce particulate emissions, and clear streets of road hazards and debris. Programmatic replacement of vehicles will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City's strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$267,616			\$0	\$0	\$0	\$267,616
EQUIPMENT	6120-Solid Waste	\$0			\$324,552	\$340,780	\$597,596	\$1,262,928
Grand Total		\$267,616			\$324,552	\$340,780	\$597,596	\$1,530,544

REPLACE ROLLOFF TRUCKS - COMMERCIAL

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78001

Project Number: CIPSW78001

Description

This project is to provide for programmatic replacement of large Solid Waste vehicles to ensure the department may provide essential services to the community. Solid Waste has 3 commercial roll-off trucks requiring replacement over next 10 years. Updated costs include current quotes and inflation of 5% per year for established tariffs. Truck replacement plan: FY2022-1, FY2026-2030-2.

Justification

The equipment identified in this project are mandated by State and City code and are utilized for the safe collection and disposal of solid waste. Programmatic replacement of vehicles will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City’s strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$210,464	\$0				\$0	\$210,464
EQUIPMENT	6120-Solid Waste	\$0	\$231,512				\$471,843	\$703,355
Grand Total		\$210,464	\$231,512				\$471,843	\$913,819

FRONTLOAD TRUCKS-COMMERCIAL

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78002

Project Number: CIPSW78002

Description

This project is to provide programmatic replacement of large Solid Waste vehicles/equipment to ensure the department may provide essential services to the community. SW has 7 front load trucks with a lifespan of 7 years and 1 front load bin delivery truck and trailer with a lifespan of 10 yrs. used for commercial and city services requiring replacement over next 10 years. Updated costs include current quotes and inflation of 5% per year for established tariffs. Truck replacement plan: FY21-(2), FY23-(1), FY26-30-(7).

Justification

The equipment identified in this project are used for safe collection and disposal of solid waste, mandated by State and City code. Assists in maintaining a safe and efficient operation for a revenue generating enterprise. Programmatic replacement of vehicles will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City’s strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$846,720		\$0		\$0	\$0	\$846,720
EQUIPMENT	6120-Solid Waste	\$729,720		\$401,346		\$413,386	\$2,077,532	\$3,621,984
Grand Total		\$1,576,440		\$401,346		\$413,386	\$2,077,532	\$4,468,704

SIDELOAD TRUCKS-RESIDENTIAL

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78003

Project Number: CIPSW78003

Description

This project is to provide for programmatic replacement of large Solid Waste vehicles to ensure the department may provide essential services to the community. SW has 26 side load trucks with a lifespan of 6 years requiring replacement over next 10 years. Updated costs include current quotes and inflation of 5% per year for established tariffs. Replacement plan for trucks: FY2021-(4), FY2022-(7), FY 2023-(5), FY 2024-(3), FY 2026-2030-(17).

Justification

The equipment identified in this project are mandated by State and City code and are utilized for the safe collection and disposal of solid waste. Programmatic replacement of vehicles will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City’s strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$1,305,188	\$0	\$0	\$0	\$0	\$0	\$1,305,188
EQUIPMENT	6120-Solid Waste	\$1,370,306	\$2,533,755	\$1,855,070	\$1,140,867	\$1,521,156	\$6,023,509	\$14,444,663
Grand Total		\$2,675,494	\$2,533,755	\$1,855,070	\$1,140,867	\$1,521,156	\$6,023,509	\$15,749,851

BULK TRASH EQUIP.-RESIDENTIAL

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78004

Project Number: CIPSW78004

Description

This project is to provide for programmatic replacement of large Solid Waste vehicles/equipment to ensure the department may provide essential services to the community. SW has 15 rear load trucks and 8 tractors both with a lifespan of 8 years requiring replacement over next 10 years. Two tractors scheduled for replacement in FY2020 were deferred to FY2021 and FY2023 to accommodate a higher priority in replacement of other solid waste equipment that were beyond their lifespan in addition to higher purchasing quotes received. Replacement plan for equipment: FY2021-2 trucks 1 tractor, FY2022-2 trucks, FY2023-4 trucks 1 tractor, FY2024-2 trucks 1 tractor, FY2026-2030-6 trucks and 3 tractors.

Justification

The equipment identified in this project are mandated by State and City code and are utilized for the safe collection and disposal of solid waste. Programmatic replacement of vehicles and equipment will reduce overall lifecycle costs, protect public health and safety while aligning resources with the City’s strategic priorities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$1,301	\$0	\$0	\$0	\$0	\$0	\$1,301
EQUIPMENT	6120-Solid Waste	\$830,495	\$682,146	\$1,538,322	\$862,919	\$750,360	\$2,408,970	\$7,073,212
Grand Total		\$831,796	\$682,146	\$1,538,322	\$862,919	\$750,360	\$2,408,970	\$7,074,513

REPLACE PICKUPS / SERVICE TRUCKS

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78005

Project Number: CIPSW78005

Description

This project is to provide for programmatic replacement of Solid Waste vehicles to ensure the department may provide essential services to the community. SW has 10 trucks used to support daily operations and provide timely customer service to the community. Costs include current quotes and inflation of 5% per year for established tariffs. Replacement plan for trucks: FY2021-3, FY2022-4, FY2023-1, FY2026-2030-4. FY22 costs are deferrals from FY20 due to elevated replacement needs and increased costs for other equipment.

Justification

These trucks are support units that assist in maintaining the safe and efficient operation for a revenue generating enterprise.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$25,797	\$0	\$0			\$0	\$25,797
EQUIPMENT	6120-Solid Waste	\$100,850	\$135,800	\$35,566			\$134,051	\$406,267
Grand Total		\$126,647	\$135,800	\$35,566			\$134,051	\$432,064

ALLEY GATING

Package Number
FY21-30CIP

Project Type
Solid Waste

Project Number
CIPSW78009

Project Number: CIPSW78009

Description

A program that manages health/safety issues including blocking of vehicular access and difficulty of enforcement due to illegal dumping in alleys. Program can be requested by affected residential residents or city departments. Program includes residential garbage service relocations/blue stake gate location/gate installation and access key/code.

Justification

Promotes and enhances the quality of life for Glendale residents residing near or adjacent to alley ways, providing a safer and cleaner environment. Project evaluation will occur in FY2023. Project includes pre-gated alley clean-up & citizen notification.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6120-Solid Waste	\$10,863	\$0	\$0				\$10,863
EQUIPMENT	6120-Solid Waste	\$100,000	\$100,000	\$100,000				\$300,000
Grand Total		\$110,863	\$100,000	\$100,000				\$310,863

FY 2021-2030 Capital Improvement Program

**Streets
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPST19006	PAVEMENT MANAGEMENT	\$400,000	\$10,200,000	\$10,200,000	\$10,200,000	\$10,200,000	\$10,200,000	\$51,000,000	\$102,400,000
CIPST19010	BALLPARK BOULEVARD	\$400,000	\$1,257,600	\$0	\$0	\$0	\$0	\$0	\$1,657,600
CIPST19048	CAPITAL BRIDGE REPAIR PROGRAM	\$266,397	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,766,397
CIPST20008	ST RECON CMLBK RD - 101 TO 91ST AVE	\$1,000,000	\$773,076	\$0	\$0	\$0	\$0	\$0	\$1,773,076
CIPST20012	FLASHING YELLOW ARROWS	\$0	\$0	\$604,770	\$0	\$0	\$0	\$0	\$604,770
CIPST20013	VEHICLE REPLACEMENT	\$600,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$5,600,000
CIPST20014	ST RECON BHR-43RD TO 51ST AVE	\$0	\$0	\$0	\$1,818,876	\$0	\$0	\$0	\$1,818,876
CIPST20016	ST RECON GLENDALE AVE-101-EL MIRAGE	\$4,708,802	\$8,190,935	\$492,742	\$0	\$0	\$0	\$0	\$13,392,479
CIPST20019	ST RECON CMLBK RD-51ST-59TH AVE	\$0	\$0	\$0	\$0	\$1,919,840	\$0	\$0	\$1,919,840
CIPST20021	ST RECON CMLBK RD-83RD-91ST AVE	\$150,000	\$2,890,545	\$0	\$0	\$0	\$0	\$0	\$3,040,545
CIPST20022	BIKE PROJECTS (MATCH)	\$130,000	\$130,000	\$0	\$0	\$0	\$130,000	\$650,000	\$1,040,000
CIPST21003	63RD & NORTHERN AVE TRAFFIC SIGNAL	\$0	\$579,210	\$0	\$0	\$0	\$0	\$0	\$579,210
CIPST21004	NORTHERN PARKWAY CABLE BARRIER 1	\$0	\$889,153	\$0	\$0	\$0	\$0	\$0	\$889,153
CIPST21014	75TH AVENUE ASPERA IMPROVEMENTS	\$0	\$525,000	\$0	\$0	\$0	\$0	\$0	\$525,000
CIPST21015	CENTRAL CORE SIDEWALK GAPS	\$0	\$0	\$0	\$411,444	\$188,878	\$0	\$0	\$600,322
CIPST21016	67TH AVENUE BIKE LANES	\$0	\$0	\$430,395	\$430,395	\$361,861	\$0	\$0	\$1,222,651
CIPST21017	STREET RECON BELL RD 51ST TO 59TH	\$0	\$0	\$2,279,810	\$0	\$0	\$0	\$0	\$2,279,810

FY 2021-2030 Capital Improvement Program

**Streets
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPST21018	ST RECON GLENDALE 101 TO 91ST	\$0	\$0	\$2,039,830	\$0	\$0	\$0	\$0	\$2,039,830
CIPST21021	67TH AND T-BIRD INTERSECT IMPROV.	\$0	\$630,970	\$2,613,315	\$0	\$0	\$0	\$0	\$3,244,285
CIPST65005	ITS UPGRADES	\$473,000	\$190,000	\$190,000	\$190,000	\$190,000	\$190,000	\$950,000	\$2,373,000
CIPST65016	NORTHERN PARKWAY	\$169,796	\$670,000	\$670,000	\$670,000	\$670,000	\$670,000	\$670,000	\$4,189,796
CIPST65063	NEW RIVER - MULTI-USE PATHWAY	\$716,709	\$0	\$0	\$0	\$0	\$0	\$0	\$716,709
CIPST65101	SIDEWALK AND CURB IMPROVEMENTS	\$85,000	\$0	\$0	\$0	\$0	\$0	\$0	\$85,000
CIPST67930	CARDINALS WAY, 83RD TO 91ST AVENUES	\$1,718,478	\$500,000	\$0	\$0	\$0	\$0	\$0	\$2,218,478
CIPST68125	STREET RECONSTRUCTION PROGRAM	\$3,685,457	\$0	\$0	\$0	\$0	\$0	\$0	\$3,685,457
CIPST68918	INFILL LIGHTING PROGRAM	\$530,000	\$529,240	\$0	\$0	\$0	\$0	\$0	\$1,059,240
CIPST68922	STREETLIGHT POLE PROGRAM	\$1,191,066	\$1,360,395	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000	\$3,226,461
Grand Total		\$16,224,705	\$30,066,124	\$20,345,862	\$14,545,715	\$14,355,579	\$12,015,000	\$57,395,000	\$164,947,985

FY 2021-2030 Capital Improvement Program

Streets
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
2060-Transportation Grants	\$0	\$1,468,363	\$0	\$0	\$0	\$0	\$0	\$1,468,363
4010-Streets Construction	\$9,544,259	\$5,225,450	\$0	\$0	\$0	\$0	\$0	\$14,769,709
4020-Hurf Streets Construction	\$2,521,066	\$5,339,635	\$3,525,000	\$3,525,000	\$3,525,000	\$3,525,000	\$17,625,000	\$39,585,701
4030-Transportation Capital Proj	\$2,440,902	\$16,901,706	\$14,207,547	\$11,020,715	\$10,830,579	\$8,490,000	\$39,770,000	\$103,661,449
4410-DIF Streets Zone 1 East	\$0	\$630,970	\$2,613,315	\$0	\$0	\$0	\$0	\$3,244,285
4420-DIF Streets Zone 2 West 101	\$1,718,478	\$500,000	\$0	\$0	\$0	\$0	\$0	\$2,218,478
Grand Total	\$16,224,705	\$30,066,124	\$20,345,862	\$14,545,715	\$14,355,579	\$12,015,000	\$57,395,000	\$164,947,985

PAVEMENT MANAGEMENT

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST19006

Project Number: CIPST19006

Description

Project provides for street pavement treatments. Specific activities included in this project involve surface preparation, repairs, and overlays as needed.

Justification

This project targets street segments that are in need of pavement treatments. Street rehabilitation is necessary to maximize the life of the city's residential, collector, and arterial street network.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4020-Hurf Streets Construc..	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	4030-Transportation Capita..	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
CONSTRUCT	4020-Hurf Streets Construc..	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000	\$30,000,000
	4030-Transportation Capita..	\$6,475,000	\$6,475,000	\$6,475,000	\$6,475,000	\$6,475,000	\$32,375,000	\$64,750,000
CONTGNCY	4020-Hurf Streets Construc..	\$56,000	\$56,000	\$56,000	\$56,000	\$56,000	\$280,000	\$560,000
	4030-Transportation Capita..	\$214,200	\$214,200	\$214,200	\$214,200	\$214,200	\$1,071,000	\$2,142,000
INTRNL CHG	4020-Hurf Streets Construc..	\$114,000	\$114,000	\$114,000	\$114,000	\$114,000	\$570,000	\$1,140,000
	4030-Transportation Capita..	\$246,050	\$246,050	\$246,050	\$246,050	\$246,050	\$1,230,250	\$2,460,500
PUBLIC ART	4020-Hurf Streets Construc..	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	\$300,000
	4030-Transportation Capita..	\$64,750	\$64,750	\$64,750	\$64,750	\$64,750	\$323,750	\$647,500
Grand Total		\$10,600,000	\$10,200,000	\$10,200,000	\$10,200,000	\$10,200,000	\$51,000,000	\$102,400,000

BALLPARK BOULEVARD

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST19010

Project Number: CIPST19010

Description

Project to design and construct Ballpark Boulevard. The project will connect the existing Ballpark Boulevard to Maryland Avenue at 99th Avenue. The roadway will be 36- foot wide and accommodate two travel lanes.

Justification

This project was identified as necessary for network connectivity in the region.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4020-Hurf Streets Construc..	\$300,000						\$300,000
	4030-Transportation Capita..	\$100,000						\$100,000
CONSTRUCT	4030-Transportation Capita..	\$1,200,000						\$1,200,000
INTRNL CHG	4030-Transportation Capita..	\$45,600						\$45,600
PUBLIC ART	4030-Transportation Capita..	\$12,000						\$12,000
Grand Total		\$1,657,600						\$1,657,600

CAPITAL BRIDGE REPAIR PROGRAM

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST19048

Project Number: CIPST19048

Description

This program is needed to maintain city bridges to meet Federal Highway Administration standards. There are approximately 43 bridges that are inspected by Arizona Department of Transportation (ADOT) semi-annually.

Justification

Under the National Bridge Inspection Program, administered by ADOT, the city is required to maintain its bridges to a satisfactory standard.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$266,397	\$0	\$0	\$0	\$0	\$0	\$266,397
CONSTRUCT	4030-Transportation Capita..	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$2,000,000
CONTGNCY	4030-Transportation Capita..	\$14,450	\$14,450	\$14,450	\$14,450	\$14,450	\$72,250	\$144,500
DESIGN	4030-Transportation Capita..	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$250,000
INTRNL CHG	4030-Transportation Capita..	\$8,550	\$8,550	\$8,550	\$8,550	\$8,550	\$42,750	\$85,500
PUBLIC ART	4030-Transportation Capita..	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$10,000	\$20,000
Grand Total		\$516,397	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,766,397

ST RECON CMLBK RD - 101 TO 91ST AVE

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20008

Project Number: CIPST20008

Description

Project to reconstruct street segment between Camelback Road Loop 101 to 91st Avenue and related improvements.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4010-Streets Construction	\$1,000,000						\$1,000,000
CONSTRUCT	4010-Streets Construction	\$773,076						\$773,076
Grand Total		\$1,773,076						\$1,773,076

FLASHING YELLOW ARROWS

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20012

Project Number: CIPST20012

Description

The project is to convert left-turn movements at existing signalized intersections to flashing yellow arrow operation with the purpose of improving safety. The project involves median modifications to provide better alignment.

Justification

According to national data, Flashing Yellow Arrows can reduce left-turn crashes by offering motorists more opportunities to make left turns. This project provides Glendale matching funds.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..		\$471,000					\$471,000
INTRNL CHG	4030-Transportation Capita..		\$105,901					\$105,901
PUBLIC ART	4030-Transportation Capita..		\$27,869					\$27,869
Grand Total			\$604,770					\$604,770

VEHICLE REPLACEMENT

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20013

Project Number: CIPST20013

Description

Replacement of existing vehicles that support transportation operations.

Justification

Replacing existing vehicles will enable efficiency and reduce maintenance costs. This includes vehicles and equipment in the Transportation Department.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4020-Hurf Streets Construc..	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
	4030-Transportation Capita..	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
EQUIPMENT	4020-Hurf Streets Construc..	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,500,000
	4030-Transportation Capita..	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,500,000
Grand Total		\$1,100,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$5,600,000

ST RECON BHR-43RD TO 51ST AVE

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20014

Project Number: CIPST20014

Description

Project to reconstruct street segment between Bethany Home Road from 51st Avenue to 43rd Avenue and related improvement.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..			\$1,472,000				\$1,472,000
CONTGNCY	4030-Transportation Capita..			\$159,823				\$159,823
DESIGN	4030-Transportation Capita..			\$73,600				\$73,600
INTRNL CHG	4030-Transportation Capita..			\$58,733				\$58,733
NONCAPITAL	4030-Transportation Capita..			\$40,000				\$40,000
PUBLIC ART	4030-Transportation Capita..			\$14,720				\$14,720
Grand Total				\$1,818,876				\$1,818,876

ST RECON GLENDALE AVE-101-EL MIRAGE

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20016

Project Number: CIPST20016

Description

Project to reconstruct street segment between Glendale Avenue from Loop 101 to El Mirage Road and related improvements.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4010-Streets Construction	\$4,708,802	\$0					\$4,708,802
CONSTRUCT	4010-Streets Construction	\$2,405,956	\$0					\$2,405,956
	4030-Transportation Capita..	\$4,964,979	\$492,742					\$5,457,721
CONTGNCY	4030-Transportation Capita..	\$280,000	\$0					\$280,000
INTRNL CHG	4030-Transportation Capita..	\$250,000	\$0					\$250,000
NONCAPITAL	4030-Transportation Capita..	\$150,000	\$0					\$150,000
PUBLIC ART	4030-Transportation Capita..	\$140,000	\$0					\$140,000
Grand Total		\$12,899,737	\$492,742					\$13,392,479

ST RECON CMLBK RD-51ST-59TH AVE

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20019

Project Number: CIPST20019

Description

Project to reconstruct street segment between Camelback Road from 59th Avenue to 51st Avenue and related improvements

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..				\$1,600,000			\$1,600,000
CONTGNCY	4030-Transportation Capita..				\$160,000			\$160,000
DESIGN	4030-Transportation Capita..				\$80,000			\$80,000
INTRNL CHG	4030-Transportation Capita..				\$63,840			\$63,840
PUBLIC ART	4030-Transportation Capita..				\$16,000			\$16,000
Grand Total					\$1,919,840			\$1,919,840

ST RECON CMLBK RD-83RD-91ST AVE

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20021

Project Number: CIPST20021

Description

Project to reconstruct street segment between Camelback Road from 91st Avenue to 83rd Road and related improvements.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4010-Streets Construction	\$150,000						\$150,000
CONSTRUCT	4010-Streets Construction	\$2,046,418						\$2,046,418
	4030-Transportation Capita..	\$474,127						\$474,127
CONTGNCY	4030-Transportation Capita..	\$250,000						\$250,000
INTRNL CHG	4030-Transportation Capita..	\$95,000						\$95,000
PUBLIC ART	4030-Transportation Capita..	\$25,000						\$25,000
Grand Total		\$3,040,545						\$3,040,545

BIKE PROJECTS (MATCH)

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST20022

Project Number: CIPST20022

Description

This funding provides matching funds for bicycle and pedestrian related projects.

Justification

This project enhances the quality of life for the residents and visitors by providing additional bicycle and pedestrian facilities.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$130,000				\$0	\$0	\$130,000
CONSTRUCT	4030-Transportation Capita..	\$130,000				\$130,000	\$650,000	\$910,000
Grand Total		\$260,000				\$130,000	\$650,000	\$1,040,000

63RD & NORTHERN AVE TRAFFIC SIGNAL

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21003

Project Number: CIPST21003

Description

This project includes the design and construction of a new traffic signal at the intersection of 63rd and Northern avenues.

Justification

A traffic signal warrant analysis was completed in 2019. The results indicate that the operations and safety of the intersection could be improved by installing a traffic signal. The City was awarded Roadway Safety Program (HURF-RSP) funds, by MAG.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2060-Transportation Grants	\$500,000						\$500,000
CONTGNCY	2060-Transportation Grants	\$20,000						\$20,000
INTRNL CHG	2060-Transportation Grants	\$24,210						\$24,210
PUBLIC ART	2060-Transportation Grants	\$5,000						\$5,000
RIGHTOFWAY	2060-Transportation Grants	\$30,000						\$30,000
Grand Total		\$579,210						\$579,210

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	\$90,000
Grand Total			\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	\$90,000

NORTHERN PARKWAY CABLE BARRIER 1

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21004

Project Number: CIPST21004

Description

Design and construct a median cable barrier along Northern Parkway between Sarival Avenue and the 143rd Avenue bridge over the railroad spur. The project will also address median soil erosion concerns.

Justification

Improve traffic safety along Northern Parkway between Sarival Avenue and 143rd Avenue. This project reduces City’s liabilities by eliminating cross-over crashes along this part of the Parkway. The City was awarded Roadway Safety Program (HURF-RSP) funds, by MAG.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	2060-Transportation Grants	\$783,162						\$783,162
CONTGNCY	2060-Transportation Grants	\$63,311						\$63,311
INTRNL CHG	2060-Transportation Grants	\$33,788						\$33,788
PUBLIC ART	2060-Transportation Grants	\$8,892						\$8,892
Grand Total		\$889,153						\$889,153

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$45,000	\$45,000	\$45,000	\$45,000	\$225,000	\$405,000
Grand Total			\$45,000	\$45,000	\$45,000	\$45,000	\$225,000	\$405,000

75TH AVENUE ASPERA IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21014

Project Number: CIPST21014

Description

Project includes median reconfiguration, street widening and wayfinding signage on Aspera Boulevard as well as restriping and signage on 75th Avenue and right-of-way acquisition.

Justification

This project derives from a development agreement to complete infrastructure improvements in this area to allow for better traffic flow and mitigate congestion in the vicinity of Aspera Boulevard and 75th Avenue.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..	\$477,099						\$477,099
INTRNL CHG	4030-Transportation Capita..	\$18,130						\$18,130
PUBLIC ART	4030-Transportation Capita..	\$4,771						\$4,771
RIGHTOFWAY	4030-Transportation Capita..	\$25,000						\$25,000
Grand Total		\$525,000						\$525,000

CENTRAL CORE SIDEWALK GAPS

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21015

Project Number: CIPST21015

Description

This project identifies matching funds for the installation of continuous sidewalks in the central core area.

Justification

Project addresses General Plan, identifying the need to improve sidewalks. The City was awarded \$2.1 M in Federal funding for the design and construction of this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..			\$0	\$125,194			\$125,194
INTRNL CHG	4030-Transportation Capita..			\$41,724	\$41,724			\$83,448
PRE DESIGN	4030-Transportation Capita..			\$281,220	\$0			\$281,220
PUBLIC ART	4030-Transportation Capita..			\$0	\$21,960			\$21,960
RIGHTOFWAY	4030-Transportation Capita..			\$88,500	\$0			\$88,500
Grand Total				\$411,444	\$188,878			\$600,322

67TH AVENUE BIKE LANES

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21016

Project Number: CIPST21016

Description

This project identifies matching funds for the installation of bike lanes on 67th avenue between Missouri Avenue and Cholla Street.

Justification

The city was awarded \$4.3M in Federal funding for the design and construction of this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..		\$0	\$0	\$258,905			\$258,905
DESIGN	4030-Transportation Capita..		\$372,861	\$372,861	\$0			\$745,722
INTRNL CHG	4030-Transportation Capita..		\$57,534	\$57,534	\$57,534			\$172,602
PUBLIC ART	4030-Transportation Capita..		\$0	\$0	\$45,422			\$45,422
Grand Total			\$430,395	\$430,395	\$361,861			\$1,222,651

STREET RECON BELL RD 51ST TO 59TH

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21017

Project Number: CIPST21017

Description

Project to surface reconstruct street segment between Bell Road from 51st Avenue to 59th Avenue and related improvements.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be surface reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..		\$1,900,000					\$1,900,000
CONTGNCY	4030-Transportation Capita..		\$190,000					\$190,000
DESIGN	4030-Transportation Capita..		\$95,000					\$95,000
INTRNL CHG	4030-Transportation Capita..		\$75,810					\$75,810
PUBLIC ART	4030-Transportation Capita..		\$19,000					\$19,000
Grand Total			\$2,279,810					\$2,279,810

ST RECON GLENDALE 101 TO 91ST

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21018

Project Number: CIPST21018

Description

Project to surface reconstruct street segment between Glendale Avenue from Loop 101 to 91st Avenue and related improvements.

Justification

This street segment has been identified in the Pavement Management Plan and Pavement Condition Inventory to be surface reconstructed due to poor pavement conditions.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..		\$1,700,000					\$1,700,000
CONTGNCY	4030-Transportation Capita..		\$170,000					\$170,000
DESIGN	4030-Transportation Capita..		\$85,000					\$85,000
INTRNL CHG	4030-Transportation Capita..		\$67,830					\$67,830
PUBLIC ART	4030-Transportation Capita..		\$17,000					\$17,000
Grand Total			\$2,039,830					\$2,039,830

67TH AND T-BIRD INTERSECT IMPROV.

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST21021

Project Number: CIPST21021

Description

This project includes modifications to the intersection of 67th Avenue and Thunderbird Road by designing and constructing an additional eastbound and westbound through lane in the immediate vicinity of the intersection

Justification

The intersection was part of a March 2017 Intersection Level of Service Analysis report. It was found that it operates at a level of service E during the morning peak traffic volume period. This is below the City standard of LOS D.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4410-DIF Streets Zone 1 East	\$0	\$2,021,625					\$2,021,625
CONTGNCY	4410-DIF Streets Zone 1 East	\$0	\$453,440					\$453,440
DESIGN	4410-DIF Streets Zone 1 East	\$181,370	\$0					\$181,370
INTRNL CHG	4410-DIF Streets Zone 1 East	\$0	\$118,030					\$118,030
PUBLIC ART	4410-DIF Streets Zone 1 East	\$0	\$20,220					\$20,220
RIGHTOFWAY	4410-DIF Streets Zone 1 East	\$449,600	\$0					\$449,600
Grand Total		\$630,970	\$2,613,315					\$3,244,285

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M				\$2,793	\$2,793	\$2,793	\$13,965	\$22,344
Grand Total				\$2,793	\$2,793	\$2,793	\$13,965	\$22,344

ITS UPGRADES

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST65005

Project Number: CIPST65005

Description

Project provides local match funds for Federally Funded Intelligent Transportation Systems (ITS) citywide.

Justification

An enhanced system with updated communications infrastructure, traffic cameras, message signs, and networking equipment will make the traffic signal system more responsive.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$473,000	\$0	\$0	\$0	\$0	\$0	\$473,000
CONSTRUCT	4030-Transportation Capita..	\$161,500	\$161,500	\$161,500	\$161,500	\$161,500	\$807,500	\$1,615,000
DESIGN	4030-Transportation Capita..	\$28,500	\$28,500	\$28,500	\$28,500	\$28,500	\$142,500	\$285,000
Grand Total		\$663,000	\$190,000	\$190,000	\$190,000	\$190,000	\$950,000	\$2,373,000

NORTHERN PARKWAY

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST65016

Project Number: CIPST65016

Description

Northern Parkway is a 12.5-mile partial access-controlled roadway between Sarival and Grand avenues. The current funded phase of the project is between Sarival and 87th avenues.

Justification

Per intergovernmental agreement, Glendale’s portion of local funding is \$37.9 million. To date, Glendale has expended approximately \$32.5 million towards this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$169,796	\$0	\$0	\$0	\$0	\$0	\$169,796
CONSTRUCT	4030-Transportation Capita..	\$670,000	\$670,000	\$670,000	\$670,000	\$670,000	\$670,000	\$4,020,000
Grand Total		\$839,796	\$670,000	\$670,000	\$670,000	\$670,000	\$670,000	\$4,189,796

NEW RIVER - MULTI-USE PATHWAY

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST65063

Project Number: CIPST65063

Description

This project is to construct a multi-use path from the Bethany Home Road alignment to Northern Avenue. The project will provide a safe and convenient off-street facility for bicyclists and pedestrians that is part of the regional West Valley Rivers Multi-modal Corridor Master Plan. This project has federal funds towards construction costs.

Justification

This funding is for pending potential settlement agreement costs.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$716,709						\$716,709
Grand Total		\$716,709						\$716,709

SIDEWALK AND CURB IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST65101

Project Number: CIPST65101

Description

The project is to install curb, gutter, and sidewalks, along north and south side of Orangewood Avenue between 67th and Grand avenues.

Justification

This project is in compliance with the Americans with Disabilities Act and enhances the quality of life for the residents and visitors. The City's Capital cost of the project are mitigated by leveraging outside agency funding.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4030-Transportation Capita..	\$85,000						\$85,000
Grand Total		\$85,000						\$85,000

CARDINALS WAY, 83RD TO 91ST AVENUES

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST67930

Project Number: CIPST67930

Description

This project is for right-of-way acquisition, design and construction of Cardinals Way north of center line.

Justification

This project is part of the Stone Haven development agreement, which was approved by City Council to complete this project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4420-DIF Streets Zone 2 We..	\$1,718,478						\$1,718,478
CONSTRUCT	4420-DIF Streets Zone 2 We..	\$500,000						\$500,000
Grand Total		\$2,218,478						\$2,218,478

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$112,516	\$112,516	\$112,516	\$112,516	\$562,580	\$1,012,644
Grand Total			\$112,516	\$112,516	\$112,516	\$112,516	\$562,580	\$1,012,644

STREET RECONSTRUCTION PROGRAM

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST68125

Project Number: CIPST68125

Description

Street reconstruction on various arterial and collector streets as identified on the Pavement Management Plan.

Justification

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4010-Streets Construction	\$3,685,457						\$3,685,457
Grand Total		\$3,685,457						\$3,685,457

INFILL LIGHTING PROGRAM

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST68918

Project Number: CIPST68918

Description

This project installs additional street lighting in areas determined to be inadequate due to a spacing of 350 feet or greater. Infill street lighting requests are initiated by residents or staff and require the approval of affected residents.

Justification

This project promotes or enhances the quality of life for the residents and visitors by providing well-lit areas in the city.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4020-Hurf Streets Construc..	\$530,000						\$530,000
CONSTRUCT	4020-Hurf Streets Construc..	\$505,000						\$505,000
INTRNL CHG	4020-Hurf Streets Construc..	\$19,190						\$19,190
PUBLIC ART	4020-Hurf Streets Construc..	\$5,050						\$5,050
Grand Total		\$1,059,240						\$1,059,240

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M			\$15,370	\$15,370	\$15,370	\$15,370	\$76,850	\$138,330
Grand Total			\$15,370	\$15,370	\$15,370	\$15,370	\$76,850	\$138,330

STREETLIGHT POLE PROGRAM

Package Number
FY21-30CIP

Project Type
Streets

Project Number
CIPST68922

Project Number: CIPST68922

Description

This project is to remove and replace existing streetlight poles that have been identified for replacement in the pole inspection program.

Justification

This project reduces safety concerns. This program is to mitigate safety hazards and provide better service.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	4020-Hurf Streets Construc..	\$1,191,066	\$0	\$0	\$0	\$0	\$0	\$1,191,066
CONSTRUCT	4020-Hurf Streets Construc..	\$1,346,926	\$74,257	\$74,257	\$74,257	\$74,257	\$371,287	\$2,015,241
PUBLIC ART	4020-Hurf Streets Construc..	\$13,469	\$743	\$743	\$743	\$743	\$3,713	\$20,154
Grand Total		\$2,551,461	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000	\$3,226,461

FY 2021-2030 Capital Improvement Program

**Transit
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPTR20007	BUS STOP ACCESS ENHANCEMENTS (MAG)	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000
CIPTR21013	NORTH GLENDALE PARK & RIDE PROJECT	\$0	\$1,151,581	\$0	\$0	\$0	\$0	\$0	\$1,151,581
CIPTR65022	TRANSP. PROG. ENGR. CONSULTANT	\$0	\$265,000	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$2,770,000
Grand Total		\$90,000	\$1,416,581	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$4,011,581

FY 2021-2030 Capital Improvement Program

Transit
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
2060-Transportation Grants	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$70,000
4030-Transportation Capital Proj	\$20,000	\$1,416,581	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$3,941,581
Grand Total	\$90,000	\$1,416,581	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$4,011,581

BUS STOP ACCESS ENHANCEMENTS (MAG)

Package Number
FY21-30CIP

Project Type
Transit

Project Number
CIPTR20007

Project Number: CIPTR20007

Description

Improvements to existing bus stops at various locations throughout the city to improve accessibility, including ADA ramps, bus stop pads (for wheelchair).

Justification

Funding to match Achieving Transit Accessibility Now (ATAN) funds. These funds will be used to enhance identified stops to make them accessible, thereby bringing them into compliance with ADA legislation. This project promotes or enhances the quality of life for the residents and visitors. The City's Capital cost of the project are intended to be mitigated by leveraging outside agency funding

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	2060-Transportation Grants	\$70,000						\$70,000
	4030-Transportation Capita..	\$20,000						\$20,000
Grand Total		\$90,000						\$90,000

NORTH GLENDALE PARK & RIDE PROJECT

Package Number
FY21-30CIP

Project Type
Transit

Project Number
CIPTR21013

Project Number: CIPTR21013

Description

This project will establish a permanent Park and Ride facility. There are currently two Express Routes that serve north Glendale. One of the routes will be re-routed to reduce revenue miles and lower operation and maintenance costs to the City.

Justification

In 2008, Valley Metro conducted a Park and Ride Reprioritization Study and identified the north area as a future need for a Park & Ride.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	4030-Transportation Capita..	\$885,883						\$885,883
DESIGN	4030-Transportation Capita..	\$165,000						\$165,000
INTRNL CHG	4030-Transportation Capita..	\$41,838						\$41,838
PUBLIC ART	4030-Transportation Capita..	\$8,860						\$8,860
STUDY	4030-Transportation Capita..	\$50,000						\$50,000
Grand Total		\$1,151,581						\$1,151,581

TRANSP. PROG. ENGR. CONSULTANT

Package Number
FY21-30CIP

Project Type
Transit

Project Number
CIPTR65022

Project Number: CIPTR65022

Description

Professional engineering for preparation of design concepts and administration of right-of-way purchase for roadway, bicycle, pedestrian and transit projects. Providing professional engineering recommendations on capital projects and operations and maintenance of completed projects.

Justification

Consulting services are necessary for studies and other transportation related services.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	4030-Transportation Capita..	\$265,000	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$2,770,000
Grand Total		\$265,000	\$270,000	\$270,000	\$275,000	\$275,000	\$1,415,000	\$2,770,000

FY 2021-2030 Capital Improvement Program

**Wastewater
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPWW19086	GLENDAL AVE SEWER LINE	\$0	\$500,000	\$3,500,000	\$1,000,000	\$0	\$0	\$0	\$5,000,000
CIPWW19087	ARROWHEAD SEWER LINES - PHASE 2	\$0	\$0	\$0	\$380,000	\$500,000	\$500,000	\$2,800,000	\$4,180,000
CIPWW19088	ARROWHEAD SEWER LINES - PHASE 3	\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$3,450,000	\$4,150,000
CIPWW20011	99TH AVENUE INTERCEPTOR	\$0	\$737,000	\$72,000	\$604,000	\$175,950	\$2,050,000	\$3,000,000	\$6,638,950
CIPWW20030	LUKE AFB WASTEWATER CONNECTION	\$565,700	\$5,000,000	\$4,950,000	\$0	\$0	\$0	\$0	\$10,515,700
CIPWW21026	WEST AREA WRF IMPROVEMENTS 2024	\$0	\$0	\$0	\$0	\$300,000	\$800,000	\$11,600,000	\$12,700,000
CIPWW21027	ARROWHEAD WRF IMPROVEMENTS 2023	\$0	\$0	\$0	\$200,000	\$1,100,000	\$1,100,000	\$10,200,000	\$12,600,000
CIPWW21028	UNDERGROUND STORAGE FACILITY PERMIT	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000
CIPWW60007	ARROWHEAD WRF IMPROVEMENTS 2017	\$1,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,050,000
CIPWW60016	WEST AREA WRF IMPROVEMENTS 2017	\$7,122,200	\$140,000	\$2,320,000	\$3,158,000	\$2,500,000	\$4,000,000	\$6,000,000	\$25,240,200
CIPWW63003	99TH AVE INTERCEPTOR LINE	\$306,400	\$0	\$0	\$0	\$0	\$0	\$0	\$306,400
CIPWW63006	ARROWHEAD SEWER LINES	\$400,000	\$100,000	\$1,000,000	\$1,000,000	\$400,000	\$0	\$0	\$2,900,000
CIPWW63010	91ST AVENUE WWTP IMPROVEMENTS	\$250,000	\$2,500,000	\$2,900,000	\$2,650,000	\$2,950,000	\$2,950,000	\$15,000,000	\$29,200,000
CIPWW63016	SEWER LINE REPLACEMENT	\$3,911,100	\$900,000	\$1,070,000	\$2,100,000	\$3,500,000	\$4,500,000	\$3,350,000	\$19,331,100
CIPWW63017	SEWER LINE EXTENSION	\$465,200	\$0	\$0	\$0	\$0	\$0	\$0	\$465,200
CIPWW63024	SEWER MANHOLE REHABILITATION	\$300,000	\$300,000	\$500,000	\$470,000	\$480,000	\$480,000	\$2,500,000	\$5,030,000
CIPWW63030	LIFT STATION REHABILITATION 2019	\$0	\$550,000	\$1,800,000	\$1,750,000	\$0	\$1,000,000	\$1,500,000	\$6,600,000

FY 2021-2030 Capital Improvement Program

**Wastewater
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPWW63031	WASTEWATER CAPITAL EQUIPMENT	\$214,900	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$1,214,900
CIPWW63032	WASTEWATER COLLECTION IMPROVEMENTS	\$297,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$797,000
Grand Total		\$14,882,500	\$11,727,000	\$18,712,000	\$13,412,000	\$12,255,950	\$17,730,000	\$59,400,000	\$148,119,450

FY 2021-2030 Capital Improvement Program

**Wastewater
Summary by Funding Source**

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
6030-Sewer	\$14,882,500	\$11,727,000	\$18,712,000	\$13,412,000	\$12,255,950	\$17,730,000	\$59,400,000	\$148,119,450
Grand Total	\$14,882,500	\$11,727,000	\$18,712,000	\$13,412,000	\$12,255,950	\$17,730,000	\$59,400,000	\$148,119,450

GLENDALE AVE SEWER LINE

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW19086

Project Number: CIPWW19086

Description

Assess, design and construct new 24" sewer line in Glendale Avenue from 91st to 99th Avenues.

Justification

This project will provide additional sewer line capacity in the area along Glendale Avenue from 91st to 99th Avenue as new development occurs. Current line is 15" diameter.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer	\$0	\$3,000,000	\$1,000,000				\$4,000,000
DESIGN	6030-Sewer	\$500,000	\$500,000	\$0				\$1,000,000
Grand Total		\$500,000	\$3,500,000	\$1,000,000				\$5,000,000

ARROWHEAD SEWER LINES - PHASE 2

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW19087

Project Number: CIPWW19087

Description

Replacement or rehabilitation of sewer lines in the Arrowhead Ranch area to improve sewer flow condition and reduce odor - phase 2 in Union Hills from 67th Ave to 79th Ave.

Justification

The sewer line and manholes that collect wastewater flow to the Arrowhead Water Reclamation Facility are over 30 years old. This is the only sewer line that conveys sewage to the ARWRF for treatment.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer			\$0	\$0	\$300,000	\$2,800,000	\$3,100,000
DESIGN	6030-Sewer			\$0	\$500,000	\$200,000	\$0	\$700,000
STUDY	6030-Sewer			\$380,000	\$0	\$0	\$0	\$380,000
Grand Total				\$380,000	\$500,000	\$500,000	\$2,800,000	\$4,180,000

ARROWHEAD SEWER LINES - PHASE 3

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW19088

Project Number: CIPWW19088

Description

Replacement or rehabilitation of sewer lines in the Arrowhead Ranch area to improve sewer flow condition and reduce odor - phase 3 in 67th Ave from Union Hills to Utopia.

Justification

The sewer line and manholes that collect wastewater flow to the Arrowhead Water Reclamation Facility are over 30 years old. This is the only sewer line that conveys sewage to the ARWRF for treatment.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer				\$0	\$0	\$3,450,000	\$3,450,000
DESIGN	6030-Sewer				\$0	\$350,000	\$0	\$350,000
STUDY	6030-Sewer				\$350,000	\$0	\$0	\$350,000
Grand Total					\$350,000	\$350,000	\$3,450,000	\$4,150,000

99TH AVENUE INTERCEPTOR

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW20011

Project Number: CIPWW20011

Description

99th Avenue interceptor rehabilitation of manholes and lining.

Justification

The 99th interceptor conveys sewerage from the Cities of Glendale, Sun City, Peoria, and Phoenix to the 91st Avenue WWTP for treatment. The interceptor system is over 35 years old and is rehabilitated in phases based on condition assessments.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
NONCAPITAL	6030-Sewer	\$737,000	\$72,000	\$604,000	\$175,950	\$2,050,000	\$3,000,000	\$6,638,950
Grand Total		\$737,000	\$72,000	\$604,000	\$175,950	\$2,050,000	\$3,000,000	\$6,638,950

LUKE AFB WASTEWATER CONNECTION

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW20030

Project Number: CIPWW20030

Description

Design & construct new wastewater line and lift station from Luke AFB to Glendale’s treatment system. To coincide with Glendale Ave reconstruct.

Justification

Luke AFB intends to cease their wastewater treatment operations by October 2021. Glendale has the treatment capacity. Capital will be reimbursed by Luke AFB through outside funding or repayment charges over 10 years.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$565,700	\$0					\$565,700
CONSTRUCT	6030-Sewer	\$4,000,000	\$4,800,000					\$8,800,000
DESIGN	6030-Sewer	\$850,000	\$0					\$850,000
INTRNL CHG	6030-Sewer	\$150,000	\$50,000					\$200,000
PUBLIC ART	6030-Sewer	\$0	\$100,000					\$100,000
Grand Total		\$5,565,700	\$4,950,000					\$10,515,700

Operating Costs

Category	O&M Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIP O&M				\$100,000	\$100,000	\$100,000	\$500,000	\$800,000
Grand Total				\$100,000	\$100,000	\$100,000	\$500,000	\$800,000

WEST AREA WRF IMPROVEMENTS 2024

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW21026

Project Number: CIPWW21026

Description

Study, design and construct phase III improvements to process areas.

Justification

West Area was built in 2000 and processes 2.7 billion gallons of wastewater annually. Several of the processes were replaced over the last several years. A condition assessment will be performed first on the components not rehab in 2017 project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer				\$0	\$180,000	\$11,600,000	\$11,780,000
DESIGN	6030-Sewer				\$0	\$300,000	\$0	\$300,000
INTRNL CHG	6030-Sewer				\$0	\$300,000	\$0	\$300,000
PUBLIC ART	6030-Sewer				\$0	\$20,000	\$0	\$20,000
STUDY	6030-Sewer				\$300,000	\$0	\$0	\$300,000
Grand Total					\$300,000	\$800,000	\$11,600,000	\$12,700,000

ARROWHEAD WRF IMPROVEMENTS 2023

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW21027

Project Number: CIPWW21027

Description

Design and construct ERDS structure, outlet valves, blowers, and other process rehabilitation and improvements.

Justification

Arrowhead was built in 1985 and processes 1.5 billion gallons of wastewater annually. Several of the processes were replaced over the last three years. A condition assessment will be performed first on the components not rehab in 2017 project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer			\$0	\$500,000	\$1,000,000	\$10,200,000	\$11,700,000
DESIGN	6030-Sewer			\$0	\$500,000	\$0	\$0	\$500,000
INTRNL CHG	6030-Sewer			\$0	\$100,000	\$100,000	\$0	\$200,000
STUDY	6030-Sewer			\$200,000	\$0	\$0	\$0	\$200,000
Grand Total				\$200,000	\$1,100,000	\$1,100,000	\$10,200,000	\$12,600,000

UNDERGROUND STORAGE FACILITY PERMIT

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW21028

Project Number: CIPWW21028

Description

Conduct required analysis to prepare application for Underground Storage Facility (USF) permit issued by the ADWR.

Justification

USF permit is required to store reclaimed effluent in the ground. The ADWR issues the permit. USF permit for West Area expires 2023. The USF permit for Arrowhead expires 2024. Permits must be renewed before the expiration date.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
NONCAPITAL	6030-Sewer		\$100,000	\$100,000				\$200,000
Grand Total			\$100,000	\$100,000				\$200,000

ARROWHEAD WRF IMPROVEMENTS 2017

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW60007

Project Number: CIPWW60007

Description

Design and construct replacement filters, headworks, odor control system, clarifier, fiber optic, other civil, mechanical, electrical, and PLC improvements.

Justification

Arrowhead was built in 1985 and processes nearly 1.5 billion gallons of wastewater annually. The systems being replaced are at the end of their life expectancy and are in poor condition. Improvement to be completed in 2020.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$1,050,000						\$1,050,000
Grand Total		\$1,050,000						\$1,050,000

WEST AREA WRF IMPROVEMENTS 2017

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW60016

Project Number: CIPWW60016

Description

Study, design and construct improvements to process areas. The project has three phases. GMP 1: fine screens, ultraviolet (UV) system. GMP 2: raw sewage pump station, sedimentation basin and other plant improvements. GMP 2A: clarifiers.

Justification

West Area was built in 2000 and processes 2.7 billion gallons of wastewater annually. Several of the processes were replaced over the last several years. An condition assessment will be performed first on the components not rehab in 2017 project.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$7,122,200	\$0	\$0	\$0	\$0	\$0	\$7,122,200
CONSTRUCT	6030-Sewer	\$0	\$1,670,000	\$1,800,000	\$2,500,000	\$4,000,000	\$6,000,000	\$15,970,000
DESIGN	6030-Sewer	\$0	\$350,000	\$1,300,000	\$0	\$0	\$0	\$1,650,000
INTRNL CHG	6030-Sewer	\$100,000	\$200,000	\$50,000	\$0	\$0	\$0	\$350,000
PUBLIC ART	6030-Sewer	\$40,000	\$100,000	\$8,000	\$0	\$0	\$0	\$148,000
Grand Total		\$7,262,200	\$2,320,000	\$3,158,000	\$2,500,000	\$4,000,000	\$6,000,000	\$25,240,200

99TH AVE INTERCEPTOR LINE

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63003

Project Number: CIPWW63003

Description

99th Ave interceptor rehabilitation of manholes and interior lining.

Justification

The 99th interceptor conveys sewerage from the Cities of Glendale, Sun City, Peoria, and Phoenix to the 91st Avenue WWTP for treatment. The interceptor system is over 35 years old and is rehabilitated in phases based on condition assessments. Cities share in costs based on ownership.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$306,400						\$306,400
Grand Total		\$306,400						\$306,400

ARROWHEAD SEWER LINES

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63006

Project Number: CIPWW63006

Description

Replacement or rehabilitation of sewer lines in the Arrowhead Ranch area to improve sewer flow condition and reduce odor - phase 1 from 79th Ave under loop 101 to ARWRF.

Justification

The sewer line and manhole systems are over 32 years old and the segments need rehabilitation condition assessments. In addition, this is the only sewer main that conveys sewage to the ARWRF for treatment. Reduce risk of sewer line collapse and sewerage overflows.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$400,000	\$0	\$0	\$0			\$400,000
CONSTRUCT	6030-Sewer	\$0	\$900,000	\$900,000	\$400,000			\$2,200,000
INTRNL CHG	6030-Sewer	\$90,000	\$90,000	\$90,000	\$0			\$270,000
PUBLIC ART	6030-Sewer	\$10,000	\$10,000	\$10,000	\$0			\$30,000
Grand Total		\$500,000	\$1,000,000	\$1,000,000	\$400,000			\$2,900,000

91ST AVENUE WWTP IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63010

Project Number: CIPWW63010

Description

Improvements at the 91st Ave WWTP of which Glendale is part owner. Includes GL03 metering station rehabilitation with EPCOR sharing in the cost of this project.

Justification

Glendale is one of five partner-cities that own the 91st Avenue Wastewater Treatment Plant. Rehabilitation and improvements are on-going. Contribution is based on ownership equity and is mandatory. The City of Phoenix performs the work.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
NONCAPITAL	6030-Sewer	\$2,500,000	\$2,900,000	\$2,650,000	\$2,950,000	\$2,950,000	\$15,000,000	\$28,950,000
Grand Total		\$2,750,000	\$2,900,000	\$2,650,000	\$2,950,000	\$2,950,000	\$15,000,000	\$29,200,000

SEWER LINE REPLACEMENT

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63016

Project Number: CIPWW63016

Description

Rehabilitate or replace sewer lines in segments. Design and construct based on condition assessments. Includes construction of ARWRF waste activated sludge (WAS) line by-pass.

Justification

This project will rehabilitate the Waste Activate Sludge (WAS) line from the AWRF.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$3,911,100	\$0	\$0	\$0	\$0	\$0	\$3,911,100
CONSTRUCT	6030-Sewer	\$500,000	\$1,000,000	\$1,400,000	\$3,170,000	\$3,900,000	\$3,350,000	\$13,320,000
DESIGN	6030-Sewer	\$300,000	\$0	\$500,000	\$200,000	\$500,000	\$0	\$1,500,000
INTRNL CHG	6030-Sewer	\$90,000	\$50,000	\$150,000	\$100,000	\$90,000	\$0	\$480,000
PUBLIC ART	6030-Sewer	\$10,000	\$20,000	\$50,000	\$30,000	\$10,000	\$0	\$120,000
Grand Total		\$4,811,100	\$1,070,000	\$2,100,000	\$3,500,000	\$4,500,000	\$3,350,000	\$19,331,100

SEWER LINE EXTENSION

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63017

Project Number: CIPWW63017

Description

Sewer line extension from 95th Avenue to the west. Includes oversizing of sewer line and lift station.

Justification

Funding needed to install infrastructure for new development within the Vision 4 area not funded by DIF funds.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$465,200						\$465,200
Grand Total		\$465,200						\$465,200

SEWER MANHOLE REHABILITATION

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63024

Project Number: CIPWW63024

Description

Manhole rehabilitation throughout the city. Construction performed in phases.

Justification

Manholes are in a very corrosive environment. It is important that sewage from residential homes and businesses can be reliably conveyed in sewer lines that have structural integrity. Rehabilitation reduces the risk of sewer line collapse.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
INTRNL CHG	6030-Sewer	\$50,000	\$50,000	\$20,000	\$30,000	\$30,000	\$0	\$180,000
NONCAPITAL	6030-Sewer	\$250,000	\$450,000	\$450,000	\$450,000	\$450,000	\$2,500,000	\$4,550,000
Grand Total		\$600,000	\$500,000	\$470,000	\$480,000	\$480,000	\$2,500,000	\$5,030,000

LIFT STATION REHABILITATION 2019

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63030

Project Number: CIPWW63030

Description

Assess condition and rehabilitate lift stations and related force mains city wide.

Justification

It is important to ensure the lift stations are in good operational conditions and meet safety requirements. Potential equipment failure would cause sewerage overflows.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6030-Sewer	\$300,000	\$1,440,000	\$1,260,000		\$1,000,000	\$1,500,000	\$5,500,000
DESIGN	6030-Sewer	\$200,000	\$300,000	\$400,000		\$0	\$0	\$900,000
INTRNL CHG	6030-Sewer	\$40,000	\$50,000	\$80,000		\$0	\$0	\$170,000
PUBLIC ART	6030-Sewer	\$10,000	\$10,000	\$10,000		\$0	\$0	\$30,000
Grand Total		\$550,000	\$1,800,000	\$1,750,000		\$1,000,000	\$1,500,000	\$6,600,000

WASTEWATER CAPITAL EQUIPMENT

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63031

Project Number: CIPWW63031

Description

Replacement of capital equipment at wastewater facilities. Includes pumps, motors, PLC and VFD.

Justification

As equipment at the wastewater treatment plants reach the end of service-life, it is replaced. It is critical to ensure City's treatment facilities are in good operational condition to meet demands and regulatory requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$214,900	\$0					\$214,900
EQUIPMENT	6030-Sewer	\$500,000	\$500,000					\$1,000,000
Grand Total		\$714,900	\$500,000					\$1,214,900

WASTEWATER COLLECTION IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Wastewater

Project Number
CIPWW63032

Project Number: CIPWW63032

Description

Study, design and construct improvements to wastewater collection system. Includes air relief valves, odor control, and force mains.

Justification

As equipment at the wastewater collection system reaches the end of service-life, it is replaced. It is critical to ensure City's collection system is in good operational condition to meet demands and regulatory requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6030-Sewer	\$297,000						\$297,000
EQUIPMENT	6030-Sewer	\$100,000						\$100,000
NONCAPITAL	6030-Sewer	\$400,000						\$400,000
Grand Total		\$797,000						\$797,000

FY 2021-2030 Capital Improvement Program

**Water
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPWA19018	WHITE MTN APACHE WATER RIGHTS	\$0	\$0	\$0	\$0	\$0	\$3,500,000	\$3,500,000	\$7,000,000
CIPWA19020	SCADA REPLACEMENT STUDY	\$0	\$0	\$0	\$750,000	\$750,000	\$0	\$0	\$1,500,000
CIPWA19021	STORAGE & RECOVERY WELLS REHAB	\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	\$4,000,000
CIPWA19022	WATER SUPPLY REDUNDANCY	\$350,000	\$350,000	\$100,000	\$2,880,000	\$3,050,000	\$4,140,000	\$16,400,000	\$27,270,000
CIPWA19085	LOOP 101 WATER TREATMENT PLANT	\$0	\$0	\$0	\$0	\$0	\$0	\$43,023,225	\$43,023,225
CIPWA21022	OASIS WTP IMPROVEMENT 2021	\$0	\$1,800,000	\$750,000	\$2,500,000	\$2,050,000	\$3,050,000	\$12,600,000	\$22,750,000
CIPWA21023	PYRAMID PEAK IMPROVEMENT 2022	\$0	\$0	\$300,000	\$2,000,000	\$2,100,000	\$500,000	\$18,400,000	\$23,300,000
CIPWA21024	CHOLLA WTP IMPROVEMENTS 2022	\$0	\$0	\$650,000	\$3,100,000	\$3,550,000	\$3,150,000	\$18,000,000	\$28,450,000
CIPWA21025	WATER LINE REPLACEMENT 2023	\$0	\$0	\$0	\$2,000,000	\$3,150,000	\$3,550,000	\$10,500,000	\$19,200,000
CIPWA21031	ASSURED WATER SUPPLY OBLIGATION	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000
CIPWA21032	ZONE 3 TRANS LINE	\$0	\$200,000	\$3,450,000	\$0	\$0	\$0	\$15,500,000	\$19,150,000
CIPWA60015	ASSET MANGEMENT PROGRAM	\$480,600	\$100,000	\$0	\$0	\$0	\$0	\$0	\$580,600
CIPWA60017	INTEGRATED WATER MASTER PLAN	\$774,000	\$520,000	\$500,000	\$0	\$0	\$0	\$0	\$1,794,000
CIPWA60018	LABORATORY EQUIPMENT	\$50,000	\$150,000	\$100,000	\$180,000	\$100,000	\$0	\$0	\$580,000
CIPWA60019	VEHICLE REPLACEMENT	\$200,000	\$250,000	\$100,000	\$1,000,000	\$600,000	\$1,300,000	\$4,500,000	\$7,950,000
CIPWA61001	LARGE WATER VALVES	\$506,700	\$240,000	\$680,000	\$680,000	\$680,000	\$680,000	\$3,500,000	\$6,966,700
CIPWA61013	WATER LINE REPLACEMENT 2014	\$3,408,500	\$550,000	\$2,050,000	\$1,000,000	\$0	\$0	\$0	\$7,008,500

FY 2021-2030 Capital Improvement Program

**Water
Summary by Project**

Project Number	Project Title	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CIPWA61023	WATER SYSTEM SECURITY	\$229,500	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$350,000	\$1,329,500
CIPWA61024	CHOLLA WTP IMPROVEMENTS 2014	\$5,000,000	\$2,550,000	\$3,925,000	\$3,000,000	\$0	\$0	\$0	\$14,475,000
CIPWA61027	WATER LINE EXTENSION	\$750,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$950,000
CIPWA61043	PYRAMID PEAK IMPROVEMENTS 2017	\$9,000,000	\$650,000	\$2,300,000	\$3,500,000	\$0	\$0	\$0	\$15,450,000
CIPWA61045	T-BIRD RESERVOIR IMPROV & REHAB	\$0	\$0	\$200,000	\$10,000	\$0	\$0	\$1,790,000	\$2,000,000
CIPWA61047	METER VAULT REPLACEMENT	\$474,200	\$30,000	\$550,000	\$550,000	\$550,000	\$550,000	\$520,000	\$3,224,200
CIPWA61048	GROUNDWATER WELL REHABILITATION	\$1,192,900	\$280,000	\$650,000	\$700,000	\$1,200,000	\$500,000	\$4,000,000	\$8,522,900
CIPWA61049	ZONE 2&3 DISTRIBUTION IMPROVEMENTS	\$678,100	\$100,000	\$200,000	\$200,000	\$0	\$0	\$0	\$1,178,100
CIPWA61051	ACCRUAL OF LT WTR STORAGE CREDITS	\$390,000	\$0	\$300,000	\$300,000	\$500,000	\$0	\$0	\$1,490,000
CIPWA61054	DISTRIBUTION SYSTEM IMPROVEMENTS	\$638,500	\$30,000	\$500,000	\$0	\$500,000	\$500,000	\$3,000,000	\$5,168,500
CIPWA61055	OASIS WTP IMPROVEMENTS	\$1,328,700	\$0	\$0	\$0	\$0	\$0	\$0	\$1,328,700
CIPWA61058	PYRAMID PEAK WTP 15MGD EXP.	\$22,000,000	\$3,150,000	\$13,550,000	\$0	\$0	\$0	\$0	\$38,700,000
CIPWA61061	WATER CAPITAL EQUIPMENT	\$200,000	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$2,200,000
CIPWA61062	TRANSMISSION LINE & VALVE ASSESSMNT	\$150,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$450,000
Grand Total		\$47,801,700	\$12,500,000	\$32,205,000	\$25,400,000	\$19,830,000	\$21,970,000	\$157,583,225	\$317,289,925

FY 2021-2030 Capital Improvement Program

Water
Summary by Funding Source

Funding Source	CARRYOVER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
6020-Water	\$47,801,700	\$12,500,000	\$32,205,000	\$25,400,000	\$19,830,000	\$21,970,000	\$157,583,225	\$317,289,925
Grand Total	\$47,801,700	\$12,500,000	\$32,205,000	\$25,400,000	\$19,830,000	\$21,970,000	\$157,583,225	\$317,289,925

WHITE MTN APACHE WATER RIGHTS

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA19018

Project Number: CIPWA19018

Description

100-year lease of water rights pursuant to the White Mountain Apache Tribe settlement for 2,363 acre feet annually. The settlement agreement is in the negotiation/approval process. Payment to follow in future years.

Justification

Council approved the lease settlement on February 24, 2009 and approved the amended and restated WMAT Water Quantification agreement on February 12, 2013.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
NONCAPITAL	6020-Water					\$3,500,000	\$3,500,000	\$7,000,000
Grand Total						\$3,500,000	\$3,500,000	\$7,000,000

SCADA REPLACEMENT STUDY

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA19020

Project Number: CIPWA19020

Description

Study alternative information and communication systems to develop a plan to upgrade equipment of the Supervisory Control and Data Acquisition (SCADA) system to new technologies. New project will be added for equipment based on recommendations.

Justification

SCADA controls the treatment processes within the plants and distribution systems. System components are at end of service life. New technologies will reduce risk of failure at critical measurement points and increase resiliency of the systems.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
STUDY	6020-Water			\$750,000	\$750,000			\$1,500,000
Grand Total				\$750,000	\$750,000			\$1,500,000

STORAGE & RECOVERY WELLS REHAB

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA19021

Project Number: CIPWA19021

Description

Rehabilitate four (4) Aquifer Storage and Recovery wells (two at the Arrowhead WRF & two at Oasis Lake) and eight (8) vadose zone recharge wells (six at the AWRF and two at Oasis Lake) on a 10-year cycle.

Justification

Based on evaluation, need to rehabilitate one well every year to maintain the system’s resiliency. These recharge wells need to recharge effluent to various groundwater levels to maximize groundwater storage credits.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
EQUIPMENT	6020-Water	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	\$4,000,000
Grand Total		\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000	\$4,000,000

WATER SUPPLY REDUNDANCY

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA19022

Project Number: CIPWA19022

Description

Study, design and construct new groundwater supply wells and other sources to create supply redundancy city wide. First source is inter-connects with adjacent cities.

Justification

Water supply redundancy from multiple sources at times of restricted supply is critical to providing an on-demand response to all customers. Groundwater wells can provide water during water supplier restrictions or during drought management, plant shut-down, or transmission failure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000
CONSTRUCT	6020-Water	\$0	\$0	\$1,000,000	\$2,000,000	\$3,300,000	\$14,000,000	\$20,300,000
DESIGN	6020-Water	\$200,000	\$100,000	\$200,000	\$500,000	\$500,000	\$0	\$1,500,000
EQUIPMENT	6020-Water	\$0	\$0	\$1,400,000	\$300,000	\$200,000	\$1,500,000	\$3,400,000
INTRNL CHG	6020-Water	\$0	\$0	\$200,000	\$200,000	\$100,000	\$300,000	\$800,000
NONCAPITAL	6020-Water	\$150,000	\$0	\$0	\$0	\$0	\$500,000	\$650,000
PUBLIC ART	6020-Water	\$0	\$0	\$80,000	\$50,000	\$40,000	\$100,000	\$270,000
Grand Total		\$700,000	\$100,000	\$2,880,000	\$3,050,000	\$4,140,000	\$16,400,000	\$27,270,000

LOOP 101 WATER TREATMENT PLANT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA19085

Project Number: CIPWA19085

Description

Future groundwater treatment plant. Revise need after Water Master Plan is updated in 2020.

Justification

The need for this water treatment plant will be evaluated after completion of the Integrated Master Plan review.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water						\$35,000,000	\$35,000,000
CONTGNCY	6020-Water						\$4,025,000	\$4,025,000
DESIGN	6020-Water						\$3,500,000	\$3,500,000
INTRNL CHG	6020-Water						\$148,225	\$148,225
PUBLIC ART	6020-Water						\$350,000	\$350,000
Grand Total							\$43,023,225	\$43,023,225

OASIS WTP IMPROVEMENT 2021

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21022

Project Number: CIPWA21022

Description

Evaluate, design, and construct improvements brine ponds, chlorine generator, IX plant conveyance, and other processes.

Justification

Oasis WTP was built in 2007 and expanded in 2012. Oasis provides 1.7 billion gallons of water to the southern and western portions of Glendale. After a condition assessment, several systems are in need of rehabilitation.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water	\$1,500,000	\$750,000	\$1,700,000	\$1,570,000	\$2,400,000	\$11,000,000	\$18,920,000
DESIGN	6020-Water	\$200,000	\$0	\$200,000	\$350,000	\$500,000	\$1,200,000	\$2,450,000
INTRNL CHG	6020-Water	\$80,000	\$0	\$80,000	\$100,000	\$130,000	\$300,000	\$690,000
PUBLIC ART	6020-Water	\$20,000	\$0	\$20,000	\$30,000	\$20,000	\$100,000	\$190,000
STUDY	6020-Water	\$0	\$0	\$500,000	\$0	\$0	\$0	\$500,000
Grand Total		\$1,800,000	\$750,000	\$2,500,000	\$2,050,000	\$3,050,000	\$12,600,000	\$22,750,000

PYRAMID PEAK IMPROVEMENT 2022

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21023

Project Number: CIPWA21023

Description

Study, design, and construct process improvements. To include the processes: gate valves, sedimentary basins, lagoon pumps, chlorine generator, and other systems.

Justification

Pyramid is a critical water treatment plant. The plant provides 13 billion gallons of water annually to the northern portion of Glendale. Rehabilitation reduces risk of equipment failure, loss of service to citizens, and implements new efficiencies.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water		\$0	\$900,000	\$1,600,000	\$400,000	\$16,000,000	\$18,900,000
DESIGN	6020-Water		\$0	\$1,000,000	\$400,000	\$100,000	\$2,100,000	\$3,600,000
INTRNL CHG	6020-Water		\$0	\$100,000	\$100,000	\$0	\$300,000	\$500,000
STUDY	6020-Water		\$300,000	\$0	\$0	\$0	\$0	\$300,000
Grand Total			\$300,000	\$2,000,000	\$2,100,000	\$500,000	\$18,400,000	\$23,300,000

CHOLLA WTP IMPROVEMENTS 2022

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21024

Project Number: CIPWA21024

Description

Study, design, and construct process improvements. To include the processes: backwash pumps, centrifuge & solid handling, filters & floc drives, chlorine generator, and other systems.

Justification

Cholla is a critical water treatment plant. This plant provides 4 billion gallons of water annually to the central portion of Glendale. Rehabilitation reduces risk of equipment failure, loss of service to citizens, and implements new efficiencies.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water		\$0	\$2,810,000	\$3,200,000	\$2,900,000	\$15,600,000	\$24,510,000
DESIGN	6020-Water		\$600,000	\$200,000	\$100,000	\$120,000	\$2,000,000	\$3,020,000
INTRNL CHG	6020-Water		\$50,000	\$80,000	\$230,000	\$100,000	\$230,000	\$690,000
PUBLIC ART	6020-Water		\$0	\$10,000	\$20,000	\$30,000	\$170,000	\$230,000
Grand Total			\$650,000	\$3,100,000	\$3,550,000	\$3,150,000	\$18,000,000	\$28,450,000

WATER LINE REPLACEMENT 2023

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21025

Project Number: CIPWA21025

Description

Design and construct waterline replacement. Work is performed in phases based on condition assessments. Includes line replacement in Camelback Rd, & Bethany Home Rd in conjunction with street replacement and future segment replacements.

Justification

The average age of the water distribution system is over 35 years old. Rehabilitation or replacement is perform based on evaluation of the condition of the line segment to reduce risk of failure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water			\$1,500,000	\$2,860,000	\$2,900,000	\$8,000,000	\$15,260,000
DESIGN	6020-Water			\$400,000	\$100,000	\$500,000	\$2,020,000	\$3,020,000
INTRNL CHG	6020-Water			\$80,000	\$150,000	\$120,000	\$400,000	\$750,000
PUBLIC ART	6020-Water			\$20,000	\$40,000	\$30,000	\$80,000	\$170,000
Grand Total				\$2,000,000	\$3,150,000	\$3,550,000	\$10,500,000	\$19,200,000

ASSURED WATER SUPPLY OBLIGATION

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21031

Project Number: CIPWA21031

Description

Conduct a study of City’s water supply to prepare the renewal application to the Arizona Department of Water Resources. Permit scheduled to expire in 2023.

Justification

The city must demonstrate that sufficient supplies of water are physically, continuously and legally available for at least 100 years. The application to modify/renew the designation is due to ADWR by December 31, 2023.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
NONCAPITAL	6020-Water		\$300,000					\$300,000
Grand Total			\$300,000					\$300,000

ZONE 3 TRANS LINE

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA21032

Project Number: CIPWA21032

Description

Design and construct 48" transmission main from Pyramid Peak Water Treatment Plant to zone 2/3 split. Work performed in three phases.

Justification

Add parallel transmission main for added capacity and redundancy to existing main from Pyramid Peak WTP to the zone 2/3 split.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water	\$0	\$3,000,000				\$15,000,000	\$18,000,000
DESIGN	6020-Water	\$200,000	\$300,000				\$0	\$500,000
INTRNL CHG	6020-Water	\$0	\$120,000				\$380,000	\$500,000
PUBLIC ART	6020-Water	\$0	\$30,000				\$120,000	\$150,000
Grand Total		\$200,000	\$3,450,000				\$15,500,000	\$19,150,000

ASSET MANGEMENT PROGRAM

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA60015

Project Number: CIPWA60015

Description

Evaluate and replace asset management system enterprise application for additional functionalities and efficiencies.

Justification

Establishing an asset management system and replacing work order software will provide governance of how we maintain and replace assets for sustainability and provide real time data for prioritizing CIP Improvements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$480,600						\$480,600
EQUIPMENT	6020-Water	\$100,000						\$100,000
Grand Total		\$580,600						\$580,600

INTEGRATED WATER MASTER PLAN

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA60017

Project Number: CIPWA60017

Description

Update Integrated Master Plan to include the plans for water, sewer, reclaimed water, and stormwater systems.

Justification

This project provides needed planning to ensure necessary infrastructure is available, and water resources are available to meet anticipated demands to support future development.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$774,000	\$0					\$774,000
INTRNL CHG	6020-Water	\$20,000	\$0					\$20,000
NONCAPITAL	6020-Water	\$500,000	\$500,000					\$1,000,000
Grand Total		\$1,294,000	\$500,000					\$1,794,000

LABORATORY EQUIPMENT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA60018

Project Number: CIPWA60018

Description

Upgrade or replace capital laboratory test equipment. Includes water de-ionizer, ICP-MS, IC-ESI-MS/MS, two GC-MS over three years.

Justification

Critical laboratory test equipment is at the end of useful life. Maintenance is becoming costly versus replacement or using outside laboratory services. Water quality testing is mandatory to the treatment of water.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$50,000	\$0	\$0	\$0			\$50,000
EQUIPMENT	6020-Water	\$150,000	\$100,000	\$180,000	\$100,000			\$530,000
Grand Total		\$200,000	\$100,000	\$180,000	\$100,000			\$580,000

VEHICLE REPLACEMENT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA60019

Project Number: CIPWA60019

Description

Replacement of vehicles, heavy trucks, and excavation equipment. Replacement is based on service life, usage, condition, and cost to maintain.

Justification

Mobility is critical to effectively and efficiently perform work required. The fleet is comprised of over 165 units for a cost to replace of more than \$10 million. Units range in value from \$50,000 to \$500,000 with service life of 10 to 20 years.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
EQUIPMENT	6020-Water	\$250,000	\$100,000	\$1,000,000	\$600,000	\$1,300,000	\$4,500,000	\$7,750,000
Grand Total		\$450,000	\$100,000	\$1,000,000	\$600,000	\$1,300,000	\$4,500,000	\$7,950,000

LARGE WATER VALVES

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61001

Project Number: CIPWA61001

Description

Replace 6” to 18” water main valves, related water lines and fire hydrants to maintain the operational reliability of the City’s water distribution and fire suppression systems. Depending on size and condition, 150 to 200 valves are replaced annually.

Justification

Age of main valves vary, with many of them over 25 years old. Replacement is required along with any attached fire hydrants and service lines to reduce the risk of equipment failure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$506,700	\$0	\$0	\$0	\$0	\$0	\$506,700
CONSTRUCT	6020-Water	\$200,000	\$650,000	\$650,000	\$650,000	\$650,000	\$3,250,000	\$6,050,000
INTRNL CHG	6020-Water	\$40,000	\$30,000	\$30,000	\$30,000	\$30,000	\$250,000	\$410,000
Grand Total		\$746,700	\$680,000	\$680,000	\$680,000	\$680,000	\$3,500,000	\$6,966,700

WATER LINE REPLACEMENT 2014

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61013

Project Number: CIPWA61013

Description

Design and construct waterline replacement. Work is performed in phases based on condition assessments. Includes line replacement in Glendale Ave, Camelback Rd, & Bethany Home Rd in conjunction with street replacement.

Justification

The average age of the water distribution system is over 35 years old. Rehabilitation or replacement is performed based on evaluation of the condition of the line segment to reduce risk of failure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$3,408,500	\$0	\$0				\$3,408,500
CONSTRUCT	6020-Water	\$100,000	\$1,600,000	\$1,000,000				\$2,700,000
DESIGN	6020-Water	\$400,000	\$400,000	\$0				\$800,000
INTRNL CHG	6020-Water	\$40,000	\$40,000	\$0				\$80,000
PUBLIC ART	6020-Water	\$10,000	\$10,000	\$0				\$20,000
Grand Total		\$3,958,500	\$2,050,000	\$1,000,000				\$7,008,500

WATER SYSTEM SECURITY

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61023

Project Number: CIPWA61023

Description

Installation of equipment citywide to further enhance security of city’s water supply, treatment plants, and distribution systems.

Justification

Replace cameras and equipment at Water Services facilities to further enhance security of City’s water supply, treatment plants and distribution systems. Required to ensure the city complies with the federal homeland security requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$229,500	\$0	\$0	\$0	\$0	\$0	\$229,500
EQUIPMENT	6020-Water	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$350,000	\$1,100,000
Grand Total		\$379,500	\$150,000	\$150,000	\$150,000	\$150,000	\$350,000	\$1,329,500

CHOLLA WTP IMPROVEMENTS 2014

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61024

Project Number: CIPWA61024

Description

Study, design, and construct improvements to storage reservoirs, chemical feed system, site lighting, electrical feed system, SCADA controls, booster stations and admin building improvements.

Justification

Cholla is a critical water treatment plant. This plant provides 4 billion gallons of water annually to the central portion of Glendale. Rehabilitation reduces risk of equipment failure, loss of service to citizens, and implements new efficiencies.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$5,000,000	\$0	\$0				\$5,000,000
CONSTRUCT	6020-Water	\$1,830,000	\$3,495,000	\$3,000,000				\$8,325,000
DESIGN	6020-Water	\$400,000	\$200,000	\$0				\$600,000
INTRNL CHG	6020-Water	\$280,000	\$200,000	\$0				\$480,000
PUBLIC ART	6020-Water	\$40,000	\$30,000	\$0				\$70,000
Grand Total		\$7,550,000	\$3,925,000	\$3,000,000				\$14,475,000

WATER LINE EXTENSION

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61027

Project Number: CIPWA61027

Description

Study, design and construct to extend the water transmission and distribution system.

Justification

Funding needed to install water infrastructure as new development occurs within the Vision 4 and Cardinal Way area. Other projects maybe funded by Development Infrastructure Fee revenue.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$750,000						\$750,000
NONCAPITAL	6020-Water	\$200,000						\$200,000
Grand Total		\$950,000						\$950,000

PYRAMID PEAK IMPROVEMENTS 2017

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61043

Project Number: CIPWA61043

Description

Study, design, and construct process improvements to the water supply system, wash water system, chemical feed system, electrical system, and HVAC systems. City of Peoria shares in 23% of the costs.

Justification

Pyramid is a critical water treatment plant. The plant provides 13 billion gallons of water annually to the northern portion of Glendale. Rehabilitation reduces risk of equipment failure, loss of service to citizens, and implements new efficiencies.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$9,000,000	\$0	\$0				\$9,000,000
CONSTRUCT	6020-Water	\$0	\$2,050,000	\$3,000,000				\$5,050,000
DESIGN	6020-Water	\$550,000	\$250,000	\$500,000				\$1,300,000
INTRNL CHG	6020-Water	\$100,000	\$0	\$0				\$100,000
Grand Total		\$9,650,000	\$2,300,000	\$3,500,000				\$15,450,000

T-BIRD RESERVOIR IMPROV & REHAB

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61045

Project Number: CIPWA61045

Description

Design and construct improvements to increase water quality and water delivery during peak demand and construct roof replacement.

Justification

Thunderbird reservoir 12 million gallon and was installed in 1985. This reservoir plays an important role in meeting peak hourly water demand within the central portion of Glendale. The liner was replaced in 2017. The roof is the next component to be evaluated.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CONSTRUCT	6020-Water		\$200,000	\$0			\$1,600,000	\$1,800,000
DESIGN	6020-Water		\$0	\$0			\$100,000	\$100,000
INTRNL CHG	6020-Water		\$0	\$0			\$90,000	\$90,000
PUBLIC ART	6020-Water		\$0	\$10,000			\$0	\$10,000
Grand Total			\$200,000	\$10,000			\$1,790,000	\$2,000,000

METER VAULT REPLACEMENT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61047

Project Number: CIPWA61047

Description

Replace large in-ground meter vaults. Work will be contracted in phases.

Justification

There are 206 vaults city wide. Over the last four years, more than 75 vaults have been replaced. The ages of meter vaults vary. Many of them are over 25 years old and are in need of repair and upgrades to meet safety and maintenance standards.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$474,200	\$0	\$0	\$0	\$0	\$0	\$474,200
CONSTRUCT	6020-Water	\$0	\$520,000	\$520,000	\$520,000	\$520,000	\$520,000	\$2,600,000
INTRNL CHG	6020-Water	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$100,000
PUBLIC ART	6020-Water	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$50,000
Grand Total		\$504,200	\$550,000	\$550,000	\$550,000	\$550,000	\$520,000	\$3,224,200

GROUNDWATER WELL REHABILITATION

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61048

Project Number: CIPWA61048

Description

Assess water production and water quality at sixteen groundwater wells. Rehabilitate and replace well components as needed.

Justification

Wells need rehabilitation every 5-10 years to maintain high production and water quality levels. Rehabilitation reduces risk of equipment failure and loss of service as well as the decrease in water quality.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$1,192,900	\$0	\$0	\$0	\$0	\$0	\$1,192,900
CONSTRUCT	6020-Water	\$200,000	\$630,000	\$700,000	\$1,190,000	\$450,000	\$3,700,000	\$6,870,000
INTRNL CHG	6020-Water	\$80,000	\$20,000	\$0	\$10,000	\$50,000	\$300,000	\$460,000
Grand Total		\$1,472,900	\$650,000	\$700,000	\$1,200,000	\$500,000	\$4,000,000	\$8,522,900

ZONE 2&3 DISTRIBUTION IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61049

Project Number: CIPWA61049

Description

Make operating improvements between Zone 2 and Zone 3 water distribution system to increase service resiliency. Includes improvements to Hillcrest Ranch booster station (HRBS).

Justification

This booster station was constructed in 1992 and is being upgraded to provide emergency water supply to northern portion of Glendale if there is an event of reduced production. Project adds redundancy to the system.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$678,100	\$0	\$0				\$678,100
INTRNL CHG	6020-Water	\$20,000	\$0	\$0				\$20,000
NONCAPITAL	6020-Water	\$80,000	\$200,000	\$200,000				\$480,000
Grand Total		\$778,100	\$200,000	\$200,000				\$1,178,100

ACCRUAL OF LT WTR STORAGE CREDITS

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61051

Project Number: CIPWA61051

Description

Using the Groundwater Saving Facilities, purchase Central Arizona Project water to store and accrue long-term water storage credits for use during supply shortages.

Justification

Accrued long-term water storage credits (LTWC) can be recovered during a time of drought. LTWC adds to city's water portfolio needed for the ADWR 100-year Assured Water Supply designation. This program adds resiliency to the city water supply.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$390,000	\$0	\$0	\$0			\$390,000
NONCAPITAL	6020-Water	\$0	\$300,000	\$300,000	\$500,000			\$1,100,000
Grand Total		\$390,000	\$300,000	\$300,000	\$500,000			\$1,490,000

DISTRIBUTION SYSTEM IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61054

Project Number: CIPWA61054

Description

Design and construct water distribution system improvements city-wide. Includes PRVs, water instrumentation, flow meters, sub-zone splitting.

Justification

Pressure reducing valves (PRV) and process control systems have reached the end of useful life. It is very important to ensure the PRVs are functional to move water between different pressure zones to meet water demand and manage water pressure.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$638,500	\$0		\$0	\$0	\$0	\$638,500
EQUIPMENT	6020-Water	\$0	\$500,000		\$500,000	\$500,000	\$3,000,000	\$4,500,000
INTRNL CHG	6020-Water	\$30,000	\$0		\$0	\$0	\$0	\$30,000
Grand Total		\$668,500	\$500,000		\$500,000	\$500,000	\$3,000,000	\$5,168,500

OASIS WTP IMPROVEMENTS

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61055

Project Number: CIPWA61055

Description

Evaluate, design, and construct improvements to lagoons, on-site laboratory, and other processes.

Justification

Oasis WTP was built in 2007 and expanded in 2012. Oasis provides 1.7 billion gallons of water to the southern and western portions of Glendale. After a condition assessment, several systems are in need of rehabilitation.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$1,328,700						\$1,328,700
Grand Total		\$1,328,700						\$1,328,700

PYRAMID PEAK WTP 15MGD EXP.

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61058

Project Number: CIPWA61058

Description

Design and construct of 15 MGD expansion to increase capacity of plant for city of Peoria future growth. City of Peoria to fund 23% of resiliency improvements and 100% of expansion.

Justification

This project was requested and funded by the City of Peoria to meet Peoria’s projected water demand in accordance with the Intergovernmental Agreement (IGA) between the Cities of Glendale and Peoria.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$22,000,000	\$0					\$22,000,000
CONSTRUCT	6020-Water	\$885,000	\$11,280,000					\$12,165,000
DESIGN	6020-Water	\$1,890,000	\$1,440,000					\$3,330,000
INTRNL CHG	6020-Water	\$300,000	\$300,000					\$600,000
NONCAPITAL	6020-Water	\$75,000	\$530,000					\$605,000
Grand Total		\$25,150,000	\$13,550,000					\$38,700,000

WATER CAPITAL EQUIPMENT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61061

Project Number: CIPWA61061

Description

Replacement of capital equipment at water facilities. Includes Programmable Logic Controllers (PLC), Variable Frequency Drives (VFD), miscellaneous pumps and motors.

Justification

As equipment at the water treatment plants reaches the end of service-life, it is replaced. It is critical to ensure City's water treatment facilities are in good operational condition to meet water demands and regulatory requirements.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$200,000	\$0	\$0	\$0			\$200,000
EQUIPMENT	6020-Water	\$500,000	\$500,000	\$500,000	\$500,000			\$2,000,000
Grand Total		\$700,000	\$500,000	\$500,000	\$500,000			\$2,200,000

TRANSMISSION LINE & VALVE ASSESSMNT

Package Number
FY21-30CIP

Project Type
Water

Project Number
CIPWA61062

Project Number: CIPWA61062

Description

Assess condition of water transmission line and valves. Assessment includes 48" to 108" diameter line.

Justification

The 67th Ave transmission main was installed in 1987. This line conveys water from Pyramid Peak WTP to Glendale water customers in the northern portions of the City and the City of Peoria Turnout and needs the condition to be assessed.

Capital Costs

Category	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026-2030	Grand Total
CARRYOVER	6020-Water	\$150,000						\$150,000
INTRNL CHG	6020-Water	\$20,000						\$20,000
STUDY	6020-Water	\$280,000						\$280,000
Grand Total		\$450,000						\$450,000