



## **2020 – 2024 Capital Improvement Program**

### Project Summary by Fund

**City of Mesa, Arizona**  
**2020 – 2024 Capital Improvement Program**

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## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Cemetery

##### Cemetery North Expansion (CP0583)

###### COUNCIL DISTRICT 1

Expand the City cemetery to increase inventory. The planned expansion will be completed in 2 phases.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Cemetery	\$300,410	\$1,815,181	-	-	-	-	-	\$2,115,591
<b>Sum:</b>		<b>\$300,410</b>	<b>\$1,815,181</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,115,591</b>

#### City Facilities

##### AZ Labs Improvements (CP0863)

###### COUNCIL DISTRICT 6

Replace generator, replace sanitary drain lines, and also create a storm drainage master plan at AZ Labs building.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Economic Investment Fund	-	\$493,500	\$456,648	\$54,938	\$281,253	-	-	\$1,286,339
<b>Sum:</b>		<b>-</b>	<b>\$493,500</b>	<b>\$456,648</b>	<b>\$54,938</b>	<b>\$281,253</b>	<b>-</b>	<b>-</b>	<b>\$1,286,339</b>

##### Center Street Yard Master Plan (CP0891)

###### COUNCIL DISTRICT 1

Develop a Master Plan for future uses at Center Street Yard.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$1,300	\$2,850	-	-	-	-	-	\$4,150
	Environmental Compliance Fee	-	\$5,250	-	-	-	-	-	\$5,250
	Local Streets Fund	-	\$3,150	-	-	-	-	-	\$3,150
	Natural Gas	-	\$5,000	-	-	-	-	-	\$5,000
	Wastewater	-	\$3,240	-	-	-	-	-	\$3,240
<b>Sum:</b>		<b>\$1,300</b>	<b>\$19,490</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$20,790</b>

##### Convention Center Building C Piping (CP0895)

###### COUNCIL DISTRICT 4

Excavate areas to renovate/replace sanitary piping from building to main system at street.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Convention Center	\$1,698	\$48,437	-	-	-	-	-	\$50,135
<b>Sum:</b>		<b>\$1,698</b>	<b>\$48,437</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$50,135</b>

##### Downtown Facade Improvement (CP0781)

###### COUNCIL DISTRICT 4

Construct commercial facades between 1st Street and 1st Avenue, Country Club and Sistine/Centennial as well as colonnade removal for properties.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$4,173	-	-	-	-	-	-	\$4,173
	Community Development Block	\$370,334	\$441,723	-	-	-	-	-	\$812,057
	Grants - Gen. Gov.	\$20,125	\$300,000	-	-	-	-	-	\$320,125
<b>Sum:</b>		<b>\$394,632</b>	<b>\$741,723</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,136,355</b>

##### East Mesa Service Center Cooling Tower System Replacement (CP0681)

###### COUNCIL DISTRICT 5

Replace of cooling tower system which includes piping throughout the building. The tower has exceeded its life expectancy, is corroded and is restricting water flow to the units. This corrosion can lead to a mass leak if not addressed.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$1,031,327	\$3,900	-	-	-	-	-	\$1,035,227
<b>Sum:</b>		<b>\$1,031,327</b>	<b>\$3,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,035,227</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### City Facilities

#### East Valley Adult Resources Building (CP0568)

##### COUNCIL DISTRICT 4

Renovate the Mesa Active Adult Center. Work will include interior flooring, fire alarm system upgrades and ADA accessibility improvements.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$28,481	\$18,628	-	-	-	-	-	\$47,109
	Community Development Block	\$70,386	\$929,000	-	-	-	-	-	\$999,386
<b>Sum:</b>		<b>\$98,867</b>	<b>\$947,628</b>	-	-	-	-	-	<b>\$1,046,495</b>

#### Fleet West Roof Replacement (CP0793)

##### COUNCIL DISTRICT 4

Replace Fleet West roof.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Fleet Internal Service	\$222,650	\$70,500	-	-	-	-	-	\$293,150
<b>Sum:</b>		<b>\$222,650</b>	<b>\$70,500</b>	-	-	-	-	-	<b>\$293,150</b>

#### Gene Autry Clubhouse Septic System (CP0688)

##### COUNCIL DISTRICT 5

Remove the clubhouse septic system. Install wastewater collection lines and connect the facility to the City's wastewater utility system.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$123,859	\$426,748	-	-	-	-	-	\$550,607
<b>Sum:</b>		<b>\$123,859</b>	<b>\$426,748</b>	-	-	-	-	-	<b>\$550,607</b>

#### Mesa Family Advocacy HVAC System & Roofing (CP0770)

##### COUNCIL DISTRICT 4

Replace roof mounted HVAC equipment of existing two 2-story buildings. The buildings house City of Mesa Police and Family Advocacy Center.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$92,818	\$393,995	-	-	-	-	-	\$486,813
<b>Sum:</b>		<b>\$92,818</b>	<b>\$393,995</b>	-	-	-	-	-	<b>\$486,813</b>

#### Mesa Family Advocacy Restroom Renovation (CP0771)

##### COUNCIL DISTRICT 4

Renovate four restrooms at Mesa Family Advocacy Center to bring them in compliance with the Americans with Disabilities Act and update the existing finishes.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$6,954	\$10,896	-	-	-	-	-	\$17,850
<b>Sum:</b>		<b>\$6,954</b>	<b>\$10,896</b>	-	-	-	-	-	<b>\$17,850</b>

#### Police Central Division Drain Lines (CP0679)

##### COUNCIL DISTRICT 4

Replace aging drain pipes throughout the Police Department's Central building. The piping is beyond its life expectancy and leaking has occurred in several areas. Replacement will prevent service disruption.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	\$157,500	-	-	-	-	-	\$157,500
<b>Sum:</b>		-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>



## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### City Facilities

#### Police Headquarters Generator (CP0785)

##### COUNCIL DISTRICT 4

Replace the generator in Police Headquarters building that will provide backup power as well as correct issues to meet City code.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$69,260	\$455,195	-	-	-	-	-	\$524,455
Environmental Compliance Fee	\$6,612	\$57,310	-	-	-	-	-	\$63,922
<b>Sum:</b>	<b>\$75,871</b>	<b>\$512,505</b>	-	-	-	-	-	<b>\$588,376</b>

#### Police Headquarters Restroom Renovation (CP0893)

##### COUNCIL DISTRICT 4

Renovate basement restroom by replacing finishes and plumbing fixtures

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$13,411	\$11,589	-	-	-	-	-	\$25,000
<b>Sum:</b>	<b>\$13,411</b>	<b>\$11,589</b>	-	-	-	-	-	<b>\$25,000</b>

#### Red Mountain Library Tower Replacement (CP0799)

##### COUNCIL DISTRICT 5

Evaluate and replace cooling towers at Red Mountain Library with properly sized equipment that can be specified so that space temperature requirements can be met.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$545,811	\$105,189	-	-	-	-	-	\$651,000
<b>Sum:</b>	<b>\$545,811</b>	<b>\$105,189</b>	-	-	-	-	-	<b>\$651,000</b>

#### Red Mountain Multigenerational Center Chiller Replacement (CP0767)

##### COUNCIL DISTRICT 5

Replace existing system with a new system that will provide energy savings, reliability, and much needed redundancy for this facility in the event that it is needed for an emergency gathering spot for citizens.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$133,508	\$2,781,365	-	-	-	-	-	\$2,914,873
<b>Sum:</b>	<b>\$133,508</b>	<b>\$2,781,365</b>	-	-	-	-	-	<b>\$2,914,873</b>

### Communications

#### Communications Building Electrical Vulnerability Mitigation (CP0796)

##### COUNCIL DISTRICT 4

Mitigate an electrical system vulnerability that has been discovered in the Communications Building.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$23,025	\$39,610	-	-	-	-	-	\$62,635
<b>Sum:</b>	<b>\$23,025</b>	<b>\$39,610</b>	-	-	-	-	-	<b>\$62,635</b>

#### Distributed Antenna System for Phoenix Mesa Gateway Airport (CP0839)

##### COUNCIL DISTRICT 6

Install an antenna system for the Phoenix Mesa Gateway Airport to improve public safety radio coverage. ☑

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	-	\$272,580	-	-	-	-	-	\$272,580
<b>Sum:</b>	-	<b>\$272,580</b>	-	-	-	-	-	<b>\$272,580</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Communications****Fiber to Radio Network Backbone Sites (CP0092)****CITYWIDE**

Improve the infrastructure that provides voice and data services to fire stations and other City facilities over the City's point-to-point microwave radio network.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2013 Public Safety Bond	\$2,502,713	\$130,000	-	-	-	-	-	-	\$2,632,713
<b>Sum:</b>	<b>\$2,502,713</b>	<b>\$130,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,632,713</b>

**Fire Hazard Zone Communication - Mesa Share (CN0071)****CITYWIDE**

Add VHF coverage for the existing TOPAZ fire partner coverage area in Mesa, Gilbert, Apache Junction, and Queen Creek.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Capital - General Fund	-	\$255,284	\$255,284	\$253,884	\$253,331	\$252,934	\$757,144	-	\$2,027,861
<b>Sum:</b>	<b>-</b>	<b>\$255,284</b>	<b>\$255,284</b>	<b>\$253,884</b>	<b>\$253,331</b>	<b>\$252,934</b>	<b>\$757,144</b>	<b>-</b>	<b>\$2,027,861</b>

**G-2 Fire Station Alerting System (CP0838)****CITYWIDE**

Refurbish the existing fire station alerting system. The alerting system is reaching the end of its support.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Capital - General Fund	-	\$619,500	-	-	-	-	-	-	\$619,500
<b>Sum:</b>	<b>-</b>	<b>\$619,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$619,500</b>

**Internet Protocol Network Router Expansion - Mesa Share (CN0052)****CITYWIDE**

Fund Mesa's cost share to install internet protocol routers for the TOPAZ radio sites. The new routers will provide full network direction/redirection capabilities for the TOPAZ radio sites and mitigate unscheduled impairments to the network.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Capital - General Fund	-	\$348,470	-	-	-	-	-	-	\$348,470
<b>Sum:</b>	<b>-</b>	<b>\$348,470</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$348,470</b>

**Northeast Mesa Radio Tower Site - Mesa Share (CN0048)****CITYWIDE**

Fund Mesa's cost share to construct a public safety radio communication site in the northeast area of Mesa to ensure reliable coverage. Improvements include a tower, equipment shelter, emergency generator, radio and network equipment, and services.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Capital - General Fund	-	-	-	-	\$450,802	\$773,203	-	-	\$1,224,005
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$450,802</b>	<b>\$773,203</b>	<b>-</b>	<b>-</b>	<b>\$1,224,005</b>

**Public Safety Fiber - Phase II (CP0696)****CITYWIDE**

Install underground fiber to support public safety and other City communication needs and strengthen redundancy. This is the second phase to complete the three rings design to better serve the City's needs.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Parks Bond	-	\$40,000	-	-	-	-	-	-	\$40,000
2018 Public Safety Bond	\$1,900	\$3,000,000	\$2,700,000	\$1,989,032	-	-	-	-	\$7,690,932
<b>Sum:</b>	<b>\$1,900</b>	<b>\$3,040,000</b>	<b>\$2,700,000</b>	<b>\$1,989,032</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$7,730,932</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Communications

##### Radio Network Upgrade - Mesa Share (CN0023)

###### CITYWIDE

Fund Mesa's cost share to replace the public safety radio system network. The current system is no longer supported by the manufacturer. This upgrade will ensure system reliability for the Topaz network.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	\$938,806	\$342,856	-	-	-	-	-	\$1,281,662
<b>Sum:</b>		<b>\$938,806</b>	<b>\$342,856</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,281,662</b>

##### Shaw Butte & Florence Gardens Phase II - Mesa Share (CN0070)

###### CITYWIDE

Upgrade five of six physical voice channels at Shaw Butte and Florence Gardens to Time Division Multiple Access (TDMA, also known as P25 Phase II) to enable two simultaneous voice transmissions on each physical radio channel.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	\$215,554	\$215,554	-	-	-	-	\$431,108
<b>Sum:</b>		<b>-</b>	<b>\$215,554</b>	<b>\$215,554</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$431,108</b>

##### Southeast Apache Junction Radio Tower Site - Mesa Share (CN0038)

###### CITYWIDE

Fund Mesa's cost share to construct a public safety radio site in the southeast area of Apache Junction to ensure reliable coverage. Improvements include a tower, equipment shelter, emergency generator, radio/network equipment, and services.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	-	-	\$440,279	\$754,568	-	-	\$1,194,847
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>\$440,279</b>	<b>\$754,568</b>	<b>-</b>	<b>-</b>	<b>\$1,194,847</b>

##### Southeast Queen Creek Radio Tower Site - Mesa Share (CN0054)

###### CITYWIDE

Fund Mesa's cost share to construct a public safety radio site in the southeast area of Queen Creek to ensure reliable coverage. Improvements include a radio tower, equipment shelter, emergency generator, radio/network equipment, and services.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	-	\$430,547	\$736,955	-	-	-	\$1,167,502
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>\$430,547</b>	<b>\$736,955</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,167,502</b>

##### System of Systems Network Expansion - Mesa Share (CN0069)

###### CITYWIDE

Purchase additional licensing to connect to other Public Safety voice networks. Also maintenance costs.☐

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	\$297,360	\$185,850	\$184,831	\$184,428	-	-	\$852,469
<b>Sum:</b>		<b>-</b>	<b>\$297,360</b>	<b>\$185,850</b>	<b>\$184,831</b>	<b>\$184,428</b>	<b>-</b>	<b>-</b>	<b>\$852,469</b>

##### TOPAZ Fire Hazard Zone Communication (CP0907)

###### CITYWIDE

Add VHF coverage for the existing TRWC fire partner coverage area in Mesa, Gilbert, Apache Junction, and Queen Creek.☐

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	TOPAZ Joint Venture Fund	-	\$371,700	\$371,700	\$369,662	\$368,856	\$368,279	\$1,102,421	\$2,952,618
<b>Sum:</b>		<b>-</b>	<b>\$371,700</b>	<b>\$371,700</b>	<b>\$369,662</b>	<b>\$368,856</b>	<b>\$368,279</b>	<b>\$1,102,421</b>	<b>\$2,952,618</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Communications

##### TOPAZ Internet Protocol Network Router Expansion (CP0755)

###### CITYWIDE

Purchase and install internet protocol routers for the TOPAZ radio sites. The new routers will provide full network direction/redirection capabilities for the TOPAZ radio sites and mitigate unscheduled impairments to the TOPAZ network.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	\$243,636	\$220,990	-	-	-	-	-	\$464,626
<b>Sum:</b>	<b>\$243,636</b>	<b>\$220,990</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$464,626</b>

##### TOPAZ Northeast Mesa Radio Tower Site (CP0779)

###### CITYWIDE

Construct a public safety radio communication site in the far northeast area of Mesa to ensure reliable TOPAZ radio coverage. Improvements include the site, tower, equipment shelter, emergency generator, radio and network equipment, and services.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	-	-	-	-	\$601,069	\$1,030,936	-	\$1,632,005
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$601,069</b>	<b>\$1,030,936</b>	<b>-</b>	<b>\$1,632,005</b>

##### TOPAZ Radio Network Upgrade (CN0022)

###### CITYWIDE

Upgrade the public safety radio system network. The current system is no longer supported by the manufacturer. The upgrade will ensure system reliability for the TOPAZ public safety network.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	\$1,301,483	\$433,828	-	-	-	-	-	\$1,735,311
<b>Sum:</b>	<b>\$1,301,483</b>	<b>\$433,828</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,735,311</b>

##### TOPAZ Shaw Butte and Florence Gardens - Phase II (CP0906)

###### CITYWIDE

Upgrade five of six physical voice channels at Shaw Butte and Florence Gardens to Time Division Multiple Access (TDMA, also known as P25 Phase II) to enable two simultaneous voice transmissions on each physical radio channel.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	-	\$287,406	\$287,406	-	-	-	-	\$574,812
<b>Sum:</b>	<b>-</b>	<b>\$287,406</b>	<b>\$287,406</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$574,812</b>

##### TOPAZ Southeast Apache Junction Radio Tower Site (CP0754)

###### CITYWIDE

Construct a public safety radio site in the southeast area of Apache Junction to ensure reliable radio coverage. Improvements include land acquisition, a radio tower, equipment shelter, emergency generator, radio/network equipment, and services.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	-	-	-	\$587,039	\$1,006,090	-	-	\$1,593,129
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$587,039</b>	<b>\$1,006,090</b>	<b>-</b>	<b>-</b>	<b>\$1,593,129</b>

##### TOPAZ Southeast Queen Creek Radio Tower Site (CP0091)

###### CITYWIDE

Construct a public safety radio site in the southeast area of Queen Creek to ensure reliable radio coverage. Improvements include land acquisition, a radio tower, equipment shelter, emergency generator, radio/network equipment, and services.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	-	-	\$574,063	\$982,606	-	-	-	\$1,556,669
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$574,063</b>	<b>\$982,606</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,556,669</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Communications

##### TOPAZ System of Systems Networking (CP0438)

###### CITYWIDE

Install system-of-systems networking to allow radio networks to connect automatically with other similar radio networks. This allows radio users to utilize the resources of multiple systems to deliver public safety services efficiently.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	\$363,871	\$254,073	-	-	-	-	-	\$617,944
<b>Sum:</b>	<b>\$363,871</b>	<b>\$254,073</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$617,944</b>

##### TOPAZ System of Systems Networking Expansion (CP0905)

###### CITYWIDE

Purchase additional licensing to connect to other Public Safety voice networks. Also maintenance costs.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital TOPAZ Joint Venture Fund	-	\$396,480	\$247,800	\$246,442	\$245,905	-	-	\$1,136,627
<b>Sum:</b>	<b>-</b>	<b>\$396,480</b>	<b>\$247,800</b>	<b>\$246,442</b>	<b>\$245,905</b>	<b>-</b>	<b>-</b>	<b>\$1,136,627</b>

#### District Cooling

##### Chiller Redundancy Connections (CP0724)

###### COUNCIL DISTRICT 4

Equip buildings connected to the district cooling system with temporary chiller hook-ups in the event the district cooling system is unavailable.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital District Cooling	-	\$40,000	-	-	-	-	-	\$40,000
<b>Sum:</b>	<b>-</b>	<b>\$40,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$40,000</b>

#### Economic Investment

##### ASU @ City Center (CP0871)

###### COUNCIL DISTRICT 4

Construct downtown academic facilities.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Economic Investment Fund	\$1,000,000	\$8,000,000	-	-	-	-	-	\$9,000,000
Excise Tax Obligation Bond Cons	-	\$33,522,350	\$20,977,650	-	-	-	-	\$54,500,000
<b>Sum:</b>	<b>\$1,000,000</b>	<b>\$41,522,350</b>	<b>\$20,977,650</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$63,500,000</b>

##### CO+HOOTS @ Benedictine University (CP0946)

###### COUNCIL DISTRICT 4

Support completion of downtown capital projects.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Economic Investment Fund	-	\$2,000,000	-	-	-	-	-	\$2,000,000
<b>Sum:</b>	<b>-</b>	<b>\$2,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,000,000</b>

##### Downtown Project Support (CP0881)

###### COUNCIL DISTRICT 4

Support completion of downtown capital projects.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$36,089	\$2,076,118	\$1,048,883	-	-	-	-	\$3,161,090
Economic Investment Fund	\$6,104	-	-	-	-	-	-	\$6,104
<b>Sum:</b>	<b>\$42,193</b>	<b>\$2,076,118</b>	<b>\$1,048,883</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,167,194</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### **Economic Investment**

##### **Innovation Studios @ Mesa City Center (CP0880)**

##### **COUNCIL DISTRICT 4**

Construct collaborative space downtown with adaptive reuse of the City's IT Building.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Capital - General Fund	-	\$620,979	-	-	-	-	-	\$620,979
	Economic Investment Fund	\$32,627	\$5,000,000	\$3,000,000	-	-	-	-	\$8,032,627
	<b>Sum:</b>	<b>\$32,627</b>	<b>\$5,620,979</b>	<b>\$3,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$8,653,606</b>

#### **Electric**

##### **Downtown Electric Improvements - New Services (CP0883)**

##### **COUNCIL DISTRICT 4**

Install new service connections in support of downtown development.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Electric Bond	-	-	\$263,660	\$269,620	\$276,064	\$282,882	-	\$1,092,226
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$263,660</b>	<b>\$269,620</b>	<b>\$276,064</b>	<b>\$282,882</b>	<b>-</b>	<b>\$1,092,226</b>

##### **Electric Distribution Overhead (CP0458)**

##### **CITYWIDE**

Install system enhancements to ensure electric system reliability. Improvements may include replacement of electrical overhead conductors, transformers, distribution poles and devices to increase reliability and reduce operating costs.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Electric Bond	\$1,983,297	\$406,554	-	-	-	-	-	\$2,389,851
	2020 Electric Bond	-	-	\$895,849	\$903,842	\$925,445	\$948,299	\$13,183	\$3,686,618
	<b>Sum:</b>	<b>\$1,983,297</b>	<b>\$406,554</b>	<b>\$895,849</b>	<b>\$903,842</b>	<b>\$925,445</b>	<b>\$948,299</b>	<b>\$13,183</b>	<b>\$6,076,469</b>

##### **Electric Distribution Underground (CP0459)**

##### **CITYWIDE**

Provide various system improvements to include underground conductor installation, cable replacement, vault lid replacement and replacement of miscellaneous devices. These improvements are planned over several fiscal years.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Electric Bond	\$926,195	\$887,286	-	-	-	-	-	\$1,813,481
	2020 Electric Bond	-	-	\$2,636,609	\$2,696,204	\$2,729,273	\$2,796,676	-	\$10,858,762
	<b>Sum:</b>	<b>\$926,195</b>	<b>\$887,286</b>	<b>\$2,636,609</b>	<b>\$2,696,204</b>	<b>\$2,729,273</b>	<b>\$2,796,676</b>	<b>-</b>	<b>\$12,672,243</b>

##### **Electric Generation (CP0082)**

##### **CITYWIDE**

Identify power supply resources, including solar power, that can be owned in whole or in part by the City of Mesa. Alternatives are being explored to improve the reliability and/or efficiency of the electric utility service.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Electric Bond	-	\$585,586	-	-	-	-	-	\$585,586
	2020 Electric Bond	-	-	\$299,615	\$306,388	\$313,710	\$321,457	-	\$1,241,170
	<b>Sum:</b>	<b>-</b>	<b>\$585,586</b>	<b>\$299,615</b>	<b>\$306,388</b>	<b>\$313,710</b>	<b>\$321,457</b>	<b>-</b>	<b>\$1,826,756</b>

##### **Electric Metering (CP0435)**

##### **CITYWIDE**

Replace electric service meters based on 20-year lifecycle criteria. In addition, replace meters based on known issues, such as potential coils that improperly register energy consumption.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Utility Replacement Extension ar	\$375,020	\$847,885	\$491,482	\$502,591	\$514,603	\$527,311	\$1,661,633	\$4,920,525
	<b>Sum:</b>	<b>\$375,020</b>	<b>\$847,885</b>	<b>\$491,482</b>	<b>\$502,591</b>	<b>\$514,603</b>	<b>\$527,311</b>	<b>\$1,661,633</b>	<b>\$4,920,525</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Electric

##### Electric Smart Grid (CP0081)

###### CITYWIDE

Replace obsolete technology to improve system reliability and improve the ability to identify problems quickly and respond efficiently.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	-	\$207,207	-	-	-	-	-	\$207,207
2020 Electric Bond	-	-	\$299,615	\$306,388	\$313,710	\$321,457	-	\$1,241,170
<b>Sum:</b>	-	<b>\$207,207</b>	<b>\$299,615</b>	<b>\$306,388</b>	<b>\$313,710</b>	<b>\$321,457</b>	-	<b>\$1,448,377</b>

##### Electric Substation Improvements (CP0461)

###### CITYWIDE

Construct improvements at electric substations to ensure long-term system reliability. These improvements will meet safety standards and improve security at the facilities.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	\$1,992,633	\$4,721,798	-	-	-	-	-	\$6,714,431
2020 Electric Bond	-	-	\$29,962	\$30,639	\$81,565	\$128,584	-	\$270,750
<b>Sum:</b>	<b>\$1,992,633</b>	<b>\$4,721,798</b>	<b>\$29,962</b>	<b>\$30,639</b>	<b>\$81,565</b>	<b>\$128,584</b>	-	<b>\$6,985,181</b>

##### Electric System Improvements (CP0901)

###### CITYWIDE

Construct improvements to the electric overhead and underground distribution system. This effort will include conduit extension, switches, sectionalizing, and circuit ties.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Electric Bond	-	-	\$191,562	\$195,892	\$200,573	\$205,527	-	\$793,554
<b>Sum:</b>	-	-	<b>\$191,562</b>	<b>\$195,892</b>	<b>\$200,573</b>	<b>\$205,527</b>	-	<b>\$793,554</b>

##### Electric Systems Retirements (CP0591)

###### CITYWIDE

Replace electric system infrastructure to ensure reliability.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Electric	\$11,192	\$234,866	\$119,845	\$122,555	\$125,484	\$128,583	\$405,183	\$1,147,708
<b>Sum:</b>	<b>\$11,192</b>	<b>\$234,866</b>	<b>\$119,845</b>	<b>\$122,555</b>	<b>\$125,484</b>	<b>\$128,583</b>	<b>\$405,183</b>	<b>\$1,147,708</b>

##### Electric Transmission (CP0460)

###### CITYWIDE

Rebuild the 69KV transmission system. Install new conductors and poles throughout the system over a three-year period. This project will also install fiber optics that will allow for monitoring, control and site security for substation locations.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	\$155	-	-	-	-	-	-	\$155
2020 Electric Bond	-	-	\$239,692	\$245,109	-	-	-	\$484,801
<b>Sum:</b>	<b>\$155</b>	-	<b>\$239,692</b>	<b>\$245,109</b>	-	-	-	<b>\$484,956</b>

##### New Electric Services (CP0534)

###### CITYWIDE

Install new electrical service wires for new customers and provide for system expansion. It will also replace existing electrical service wires to increase reliability. These improvements are planned over several fiscal years.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	\$1,001,714	\$3,757,850	-	-	-	-	-	\$4,759,564
2020 Electric Bond	-	-	\$1,198,458	\$1,225,547	\$1,254,838	\$1,285,828	-	\$4,964,671
<b>Sum:</b>	<b>\$1,001,714</b>	<b>\$3,757,850</b>	<b>\$1,198,458</b>	<b>\$1,225,547</b>	<b>\$1,254,838</b>	<b>\$1,285,828</b>	-	<b>\$9,724,235</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Electric****Substation to Park Conversion (CP0522)****CITYWIDE**

Construct pocket park and solar generation at the former Extension Substation Site.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	\$2,160	-	-	-	-	-	-	\$2,160
Electric	\$32,726	\$114,455	-	-	-	-	-	\$147,181
<b>Sum:</b>	<b>\$34,886</b>	<b>\$114,455</b>	-	-	-	-	-	<b>\$149,341</b>

**Environment and Sustainability****Food to Energy Project (CP0870)****CITYWIDE**

Use inhouse resources and consultants to conduct a study to evaluate the technical and financial feasibility of an anaerobic digestion food waste to energy program and determine whether to move forward with a pilot-scale program.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Environmental Compliance Fee	\$73,988	\$401,244	-	-	-	-	-	\$475,232
<b>Sum:</b>	<b>\$73,988</b>	<b>\$401,244</b>	-	-	-	-	-	<b>\$475,232</b>

**Household Hazard Waste Facility (CP0588)****COUNCIL DISTRICT 1**

Construct a permanent HHW facility to better serve city residents.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Solid Waste Bond Construction	\$3,306,260	-	-	-	-	-	-	\$3,306,260
Environmental Compliance Fee	\$345,556	\$9,769	-	-	-	-	-	\$355,325
<b>Sum:</b>	<b>\$3,651,816</b>	<b>\$9,736</b>	-	-	-	-	-	<b>\$3,661,585</b>

**Falcon Field Airport****Airfield Lighting and Signage Upgrade (CP0114)****COUNCIL DISTRICT 5**

Replace runway and taxiway lighting with newer light-emitting diode (LED) lights to reduce electrical and maintenance costs.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	\$338,367	\$60,705	-	-	-	-	-	\$399,072
Falcon Field Grants	\$1,529,560	\$251,488	-	-	-	-	-	\$1,781,048
<b>Sum:</b>	<b>\$1,867,927</b>	<b>\$312,193</b>	-	-	-	-	-	<b>\$2,180,120</b>

**Airport Historic Zone Improvements (C09036)****COUNCIL DISTRICT 5**

Construct improvements to the landscaping, streetscaping, public viewing area and airport signage as part of the continuing efforts to enhance the quality and appearance of Falcon Field Airport.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$28,142	-	-	-	-	-	-	\$28,142
Falcon Field Airport	\$1,316,765	\$914,957	-	-	-	-	-	\$2,231,722
<b>Sum:</b>	<b>\$1,344,907</b>	<b>\$914,957</b>	-	-	-	-	-	<b>\$2,259,864</b>

**City-Owned Buildings and Property Improvements (CP0763)****COUNCIL DISTRICT 5**

Construct needed improvements to City-owned buildings and property at Falcon Field.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	\$48,678	\$844,854	\$161,170	\$164,813	\$168,752	\$172,919	\$544,894	\$2,106,080
<b>Sum:</b>	<b>\$48,678</b>	<b>\$844,854</b>	<b>\$161,170</b>	<b>\$164,813</b>	<b>\$168,752</b>	<b>\$172,919</b>	<b>\$544,894</b>	<b>\$2,106,080</b>



## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### **Falcon Field Airport**

##### **Delta Taxiway Overlay/Connecting Taxiways (CP0922)**

###### **COUNCIL DISTRICT 5**

Reconstruct and upgrade the Delta Taxiway and all connecting taxiways.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	\$138,438	-	-	-	-	\$138,438
Falcon Field Grants	-	-	\$1,396,512	-	-	-	-	\$1,396,512
<b>Sum:</b>	-	-	<b>\$1,534,950</b>	-	-	-	-	<b>\$1,534,950</b>

#### **East Side Improvements (CP0690)**

###### **COUNCIL DISTRICT 5**

Construct landscaping, lighting, signage and other features on east side of airport near Higley.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	\$449,566	\$1,108,461	-	-	-	\$1,558,027
<b>Sum:</b>	-	-	<b>\$449,566</b>	<b>\$1,108,461</b>	-	-	-	<b>\$1,558,027</b>

#### **Echo Ramp East Overlay (CP0927)**

###### **COUNCIL DISTRICT 5**

Reconstruct and upgrade Echo Ramp East.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	-	-	-	\$49,510	-	\$49,510
Falcon Field Grants	-	-	-	-	-	\$499,440	-	\$499,440
<b>Sum:</b>	-	-	-	-	-	<b>\$548,950</b>	-	<b>\$548,950</b>

#### **Echo Ramp West Overlay (CP0928)**

###### **COUNCIL DISTRICT 5**

Reconstruct and upgrade Echo Ramp West.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	-	-	-	\$59,412	-	\$59,412
Falcon Field Grants	-	-	-	-	-	\$599,328	-	\$599,328
<b>Sum:</b>	-	-	-	-	-	<b>\$658,740</b>	-	<b>\$658,740</b>

#### **Echo Taxiway Overlay (CP0923)**

###### **COUNCIL DISTRICT 5**

Reconstruct and upgrade Echo Taxiway.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	-	\$56,627	-	-	-	\$56,627
Falcon Field Grants	-	-	-	\$571,231	-	-	-	\$571,231
<b>Sum:</b>	-	-	-	<b>\$627,858</b>	-	-	-	<b>\$627,858</b>

#### **Falcon Field Master Plan (CP0256)**

###### **COUNCIL DISTRICT 5**

Update the master plan document used to identify the ultimate development of the airport for a twenty year period.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	\$49,416	\$55,751	-	-	-	-	-	\$105,167
Falcon Field Grants	\$527,461	\$275,543	-	-	-	-	-	\$803,004
<b>Sum:</b>	<b>\$576,877</b>	<b>\$331,294</b>	-	-	-	-	-	<b>\$908,171</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Falcon Field Airport****Falcon Ramp East and Taxiway Bravo (CP0926)****COUNCIL DISTRICT 5**

Reconstruct and upgrade Falcon Ramp East and Taxiway Bravo.☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	-	-	-	-	\$30,613	-	-	\$30,613	
Falcon Field Grants	-	-	-	-	\$183,676	-	-	\$183,676	
<b>Sum:</b>	-	-	-	-	<b>\$214,289</b>	-	-	<b>\$214,289</b>	

**Falcon Ramp Lighting Upgrade Phase II (CP0841)****COUNCIL DISTRICT 5**

Upgrade Falcon Ramp lighting.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	-	-	-	-	-	\$47,053	\$260,813	\$307,866	
Falcon Field Grants	-	-	-	-	-	\$282,317	\$2,630,993	\$2,913,310	
<b>Sum:</b>	-	-	-	-	-	<b>\$329,370</b>	<b>\$2,891,806</b>	<b>\$3,221,176</b>	

**Falcon Ramp West Overlay (CP0925)****COUNCIL DISTRICT 5**

Reconstruct and upgrade West Falcon Ramp.☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	-	-	-	-	\$106,296	-	-	\$106,296	
Falcon Field Grants	-	-	-	-	\$1,072,288	-	-	\$1,072,288	
<b>Sum:</b>	-	-	-	-	<b>\$1,178,584</b>	-	-	<b>\$1,178,584</b>	

**Falcon Tech Center (CP0746)****COUNCIL DISTRICT 5**

Complete environmental assessment for the removal of orange grove trees west of the airport to allow for economic development opportunities.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	\$116,667	\$19,510	-	-	-	-	-	\$136,177	
<b>Sum:</b>	<b>\$116,667</b>	<b>\$19,510</b>	-	-	-	-	-	<b>\$136,177</b>	

**High-Speed Exits - Runway 4L/22R (CP0945)****COUNCIL DISTRICT 5**

Construct High-Speed Exits on runway 4L/22R to provide increased safety and operational flexibility.☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	-	\$117,248	-	-	-	-	-	\$117,248	
Falcon Field Grants	-	\$1,182,752	-	-	-	-	-	\$1,182,752	
<b>Sum:</b>	-	<b>\$1,300,000</b>	-	-	-	-	-	<b>\$1,300,000</b>	

**Higley Ramp East Overlay (CP0921)****COUNCIL DISTRICT 5**

Reconstruct and upgrade Higley Ramp East.☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Falcon Field Airport	-	\$38,095	-	-	-	-	-	\$38,095	
Falcon Field Grants	-	\$761,905	-	-	-	-	-	\$761,905	
<b>Sum:</b>	-	<b>\$800,000</b>	-	-	-	-	-	<b>\$800,000</b>	

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Falcon Field Airport****Higley Ramp West Major Reconstruct (CP0918)****COUNCIL DISTRICT 5**

Reconstruct and upgrade Higley Ramp West.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	\$90,191	-	-	-	-	-	\$90,191
Falcon Field Grants	-	\$909,809	-	-	-	-	-	\$909,809
<b>Sum:</b>	-	<b>\$1,000,000</b>	-	-	-	-	-	<b>\$1,000,000</b>

**Pavement Management System Program (CN0073)****COUNCIL DISTRICT 5**

Pavement Management System Program

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	\$100,000	-	-	-	-	-	\$100,000
<b>Sum:</b>	-	<b>\$100,000</b>	-	-	-	-	-	<b>\$100,000</b>

**Runway 4L/22R Overlay (CP0924)****COUNCIL DISTRICT 5**

Reconstruct and upgrade Runway 4L/22R.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	-	-	\$104,643	-	-	-	\$104,643
Falcon Field Grants	-	-	-	\$627,858	-	-	-	\$627,858
<b>Sum:</b>	-	-	-	<b>\$732,501</b>	-	-	-	<b>\$732,501</b>

**Runway Protection Zone Improvements (CP0398)****COUNCIL DISTRICT 5**

Conduct environmental assesment and remove tree groves in runway 4L/4R protection zones to improve safety.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	\$19,308	-	\$29,237	\$113,253	-	-	-	\$161,798
Falcon Field Grants	-	-	\$175,423	\$1,142,463	-	-	-	\$1,317,886
<b>Sum:</b>	<b>\$19,308</b>	-	<b>\$204,660</b>	<b>\$1,255,716</b>	-	-	-	<b>\$1,479,684</b>

**Stormwater Drainage Plan Update (C06029)****COUNCIL DISTRICT 5**

Update the airport's 1998 Stormwater Drainage Plan. This effort will update the drainage plan to reflect current conditions due to construction and development that has occurred on the airport.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Falcon Field Airport	-	\$42,857	-	-	-	-	-	\$42,857
Falcon Field Grants	-	\$257,143	-	-	-	-	-	\$257,143
<b>Sum:</b>	-	<b>\$300,000</b>	-	-	-	-	-	<b>\$300,000</b>

**Fire****Fire Apparatus (CN0055)****CITYWIDE**

Purchase replacement fire Apparatus for units that are due for replacement and currently still in service. These purchases are based off of the Fire Maintenance apparatus replacement schedule that identifies when replacement is necessary.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Public Safety Bond	\$4,981,603	\$5,900,000	\$4,500,000	\$5,270,936	\$3,473,224	-	-	\$24,125,763
Capital - General Fund	-	\$1,150,000	\$1,285,000	\$1,268,028	\$1,738,093	-	-	\$5,441,121
<b>Sum:</b>	<b>\$4,981,603</b>	<b>\$7,050,000</b>	<b>\$5,785,000</b>	<b>\$6,538,964</b>	<b>\$5,211,317</b>	-	-	<b>\$29,566,884</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

**Fire****Fire Station 221: Eastmark (CP0102)****COUNCIL DISTRICT 6**

Construct a fire station in the Eastmark development in southeast Mesa. With population growth there is a need for a fire station to respond to the increased call volumes.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Public Safety Bond	-	\$2,500,000	\$2,499,999	-	-	-	-	-	\$4,999,999
Restricted Programs Fund	\$13,170	\$5,381,140	-	-	-	-	-	-	\$5,394,310
O&M General Fund	-	-	-	\$630,862	\$313,387	\$320,945	\$1,010,061	-	\$2,275,255
Public Safety Sales Tax Fire Medi	-	-	\$1,582,835	\$1,627,151	\$1,666,664	\$1,706,614	\$5,273,542	-	\$11,856,806
<b>Sum:</b>	<b>\$13,170</b>	<b>\$7,881,140</b>	<b>\$4,082,834</b>	<b>\$2,258,013</b>	<b>\$1,980,051</b>	<b>\$2,027,559</b>	<b>\$6,283,603</b>	-	<b>\$24,526,370</b>

**Public Safety Training Facility Burn Tower Renovation (CP0858)****COUNCIL DISTRICT 5**

Repair and replace outdated burn tower building components.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2008 Public Safety Bond	\$428,502	-	-	-	-	-	-	-	\$428,502
2013 Public Safety Bond	\$176,965	\$232,400	-	-	-	-	-	-	\$409,365
<b>Sum:</b>	<b>\$605,468</b>	<b>\$232,400</b>	-	-	-	-	-	-	<b>\$837,868</b>

**Public Safety Training Facility Improvements: Burn Room (CP0096)****COUNCIL DISTRICT 5**

Remodel the existing burn room and expand the facilities to allow for training involving other combustible material such as natural gas.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2013 Public Safety Bond	\$448,591	\$1,070,000	-	-	-	-	-	-	\$1,518,591
<b>Sum:</b>	<b>\$448,591</b>	<b>\$1,070,000</b>	-	-	-	-	-	-	<b>\$1,518,591</b>

**General Government****Oakwood Creative Care Facility Improvements (CP0878)****COUNCIL DISTRICT 5**

Replace air walls with framed in walls, update the kitchen area, and replace flooring at the Oakwood Creative Care.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Community Development Block	\$3,174	\$42,800	-	-	-	-	-	-	\$45,974
<b>Sum:</b>	<b>\$3,174</b>	<b>\$42,800</b>	-	-	-	-	-	-	<b>\$45,974</b>

**Intelligent Transportation System****Central Traffic Signal System (CP0655)****CITYWIDE**

Replace central traffic signal system for the City's Traffic Management Center.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Local Streets Fund	-	-	\$698,402	-	-	-	-	-	\$698,402
O&M Local Streets Fund	-	-	-	\$26,161	\$26,786	\$27,448	\$86,491	-	\$166,886
<b>Sum:</b>	-	-	<b>\$698,402</b>	<b>\$26,161</b>	<b>\$26,786</b>	<b>\$27,448</b>	<b>\$86,491</b>	-	<b>\$865,288</b>

**Traffic Signal Cabinet and Controllers Upgrade in East Mesa (CP0653)****CITYWIDE**

Install citywide new traffic signal cabinets and controllers to more effectively manage traffic.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Grants - Gen. Gov.	\$6,134	\$1,142,866	-	-	-	-	-	-	\$1,149,000
Local Streets Fund	\$87,148	\$751,251	-	-	-	-	-	-	\$838,399
<b>Sum:</b>	<b>\$93,283</b>	<b>\$1,894,117</b>	-	-	-	-	-	-	<b>\$1,987,400</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Intelligent Transportation System

#### Traffic Signals - New and Upgrade (CP0586)

##### CITYWIDE

Install new signals and upgrade existing signals.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	Capital - General Fund	\$168,168	\$131,919	-	-	-	-	-	\$300,087
	Local Streets Fund	\$1,954,086	\$4,274,496	\$1,611,182	\$1,647,600	\$1,686,978	\$1,728,639	\$5,447,189	\$18,350,170
O&M	Highway User Revenue Fund	-	-	-	-	-	-	-	-
	Local Streets Fund	-	\$27,750	\$28,397	\$29,038	\$29,732	\$30,467	\$96,005	\$241,389
<b>Sum:</b>		<b>\$2,122,254</b>	<b>\$4,434,165</b>	<b>\$1,639,579</b>	<b>\$1,676,638</b>	<b>\$1,716,710</b>	<b>\$1,759,106</b>	<b>\$5,543,194</b>	<b>\$18,891,646</b>

#### Traffic Signals - Public Safety Opticom (CP0702)

##### CITYWIDE

Install public safety opticom technology on traffic signals.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	Local Streets Fund	\$89,219	\$811,606	\$102,330	\$104,643	\$107,144	\$109,790	\$345,964	\$1,670,696
O&M	Local Streets Fund	-	\$20,000	\$20,466	\$20,929	\$21,429	\$21,958	\$69,192	\$173,974
<b>Sum:</b>		<b>\$89,219</b>	<b>\$831,606</b>	<b>\$122,796</b>	<b>\$125,572</b>	<b>\$128,573</b>	<b>\$131,748</b>	<b>\$415,156</b>	<b>\$1,844,670</b>

### Library

#### Dobson Library Improvements (CP0903)

##### COUNCIL DISTRICT 3

Construct facade improvements and new programming space.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2018 Parks Bond	\$646	\$500,000	\$1,000,000	-	-	-	-	\$1,500,646
O&M	General Fund	-	\$370,064	\$299,469	\$306,564	\$313,895	\$321,399	\$1,011,092	\$2,651,955
<b>Sum:</b>		<b>\$646</b>	<b>\$899,536</b>	<b>\$1,299,469</b>	<b>\$306,564</b>	<b>\$313,895</b>	<b>\$321,399</b>	<b>\$1,011,092</b>	<b>\$4,152,601</b>

#### Main Library 2nd Floor Workspace Improvements (CP0888)

##### COUNCIL DISTRICT 4

Improvements to office and workspace on the second floor of the Main Library.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	Restricted Programs Fund	\$2,219	\$261,870	-	-	-	-	-	\$264,089
<b>Sum:</b>		<b>\$2,219</b>	<b>\$261,870</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$264,089</b>

#### Main Library Improvements (CP0904)

##### COUNCIL DISTRICT 4

Construct new programming space.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2018 Parks Bond	-	\$500,000	\$1,000,000	-	-	-	-	\$1,500,000
O&M	General Fund	-	\$277,000	\$20,466	\$20,928	\$21,429	\$21,958	\$69,193	\$430,974
<b>Sum:</b>		<b>-</b>	<b>\$777,000</b>	<b>\$1,020,466</b>	<b>\$20,928</b>	<b>\$21,429</b>	<b>\$21,958</b>	<b>\$69,193</b>	<b>\$1,930,974</b>

#### Monarch Haven and Reading Sanctuary (CP0892)

##### COUNCIL DISTRICT 5

Create an outdoor space at the Red Mountain Library for use by library patrons and the surrounding community

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	\$376	\$80,835	-	-	-	-	-	\$81,211
<b>Sum:</b>		<b>\$376</b>	<b>\$80,835</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$81,211</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Library

##### Southeast Neighborhood Library (CP0429)

###### COUNCIL DISTRICT 6

Provide library services to the citizens of southeast Mesa.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	-	\$900,000	\$696,161	\$9,923,497	\$5,152,135	-	\$16,671,793
O&M General Fund	-	-	-	-	-	-	\$9,398,053	\$9,398,053
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$900,000</b>	<b>\$696,161</b>	<b>\$9,923,497</b>	<b>\$5,152,135</b>	<b>\$9,398,053</b>	<b>\$26,069,846</b>

#### Museum

##### i.d.e.a. Museum (Phase I) (CP0916)

###### COUNCIL DISTRICT 4

Expand the kid ArtVille environment and Texturescape play area, relocate offices, and update building systems.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	\$148	-	-	\$397,807	\$2,332,022	\$2,080,670	-	\$4,810,647
O&M Arts & Culture Fund	-	-	-	-	-	-	\$134,926	\$134,926
<b>Sum:</b>	<b>\$148</b>	<b>-</b>	<b>-</b>	<b>\$397,807</b>	<b>\$2,332,022</b>	<b>\$2,080,670</b>	<b>\$134,926</b>	<b>\$4,945,573</b>

#### Natural Gas Aging Infrastructure

##### Country Club Drive and Brown Road Intersection (CP0060)

###### COUNCIL DISTRICT 1

Replace utility lines in the intersection to prevent service disruption.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Gas Bond	-	-	\$13,158	\$136,869	-	-	-	\$150,027
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$13,158</b>	<b>\$136,869</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$150,027</b>

#### Gas Aging Infrastructure Replacement (CP0483)

###### CITYWIDE

Replace necessary gas system infrastructure identified during the annual survey.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Gas Bond	\$3,787,444	\$3,245,445	-	-	-	-	-	\$7,032,889
2020 Gas Bond	-	-	\$3,558,776	\$3,586,885	\$3,795,201	\$3,955,816	-	\$14,896,678
<b>Sum:</b>	<b>\$3,787,444</b>	<b>\$3,245,445</b>	<b>\$3,558,776</b>	<b>\$3,586,885</b>	<b>\$3,795,201</b>	<b>\$3,955,816</b>	<b>-</b>	<b>\$21,929,567</b>

#### Gas Line Retirements (CP0563)

###### CITYWIDE

Remove gas mains and services that are no longer needed to support the natural gas system. Inclusion of this project will ensure operational integrity of the natural gas pipeline system and the reliability of a safe energy resource to our customers.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Natural Gas	\$351,178	\$202,517	\$119,845	\$122,555	\$125,484	\$128,583	\$405,183	\$1,455,345
<b>Sum:</b>	<b>\$351,178</b>	<b>\$202,517</b>	<b>\$119,845</b>	<b>\$122,555</b>	<b>\$125,484</b>	<b>\$128,583</b>	<b>\$405,183</b>	<b>\$1,455,345</b>

#### Gas Main Replacements - Magma Service Area (CP0482)

###### CITYWIDE

Upgrade the existing Magma system to reduce maintenance problems and ensure operational integrity of the natural gas pipeline system.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Gas Bond	\$3,114	\$813,847	-	-	-	-	-	\$816,961
2020 Gas Bond	-	-	\$672,023	\$734,586	\$802,456	\$877,279	-	\$3,086,344
<b>Sum:</b>	<b>\$3,114</b>	<b>\$813,847</b>	<b>\$672,023</b>	<b>\$734,586</b>	<b>\$802,456</b>	<b>\$877,279</b>	<b>-</b>	<b>\$3,903,305</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Natural Gas Aging Infrastructure

##### Gas Meters: New and Replacement (CP0711)

###### CITYWIDE

Install gas meters citywide.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Gas Bond	\$1,510,300	\$483,425	-	-	-	-	-	\$1,993,725
	2020 Gas Bond	-	-	\$496,947	\$506,829	\$532,591	\$560,128	-	\$2,096,495
<b>Sum:</b>		<b>\$1,510,300</b>	<b>\$483,425</b>	<b>\$496,947</b>	<b>\$506,829</b>	<b>\$532,591</b>	<b>\$560,128</b>	-	<b>\$4,090,220</b>

##### Gas Meters: New and Replacement (CP0496)

###### CITYWIDE

Install gas meters citywide.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Natural Gas	\$2,073	-	-	-	-	-	-	\$2,073
	Utility Replacement Extension ar	\$1,016,432	\$873,099	\$496,947	\$506,829	\$532,591	\$560,128	\$1,207,632	\$5,193,658
<b>Sum:</b>		<b>\$1,018,505</b>	<b>\$873,099</b>	<b>\$496,947</b>	<b>\$506,829</b>	<b>\$532,591</b>	<b>\$560,128</b>	<b>\$1,207,632</b>	<b>\$5,195,731</b>

##### High Pressure Gas Main Installations (CP0442)

###### CITYWIDE

Install high pressure gas main to meet anticipated growth of the City.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Gas Bond	\$124,109	\$1,708,962	-	-	-	-	-	\$1,833,071
	2020 Gas Bond	-	-	\$930,763	\$999,391	\$1,074,440	\$1,156,023	-	\$4,160,617
<b>Sum:</b>		<b>\$124,109</b>	<b>\$1,708,962</b>	<b>\$930,763</b>	<b>\$999,391</b>	<b>\$1,074,440</b>	<b>\$1,156,023</b>	-	<b>\$5,993,688</b>

##### McKellips Road Gas Line: Lindsay to Val Vista (C10374)

###### COUNCIL DISTRICT 1

Install high and intermediate pressure gas main to ensure operational integrity of the natural gas system.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Gas Bond	-	-	-	\$120,883	\$1,472,677	-	-	\$1,593,560
<b>Sum:</b>		-	-	-	<b>\$120,883</b>	<b>\$1,472,677</b>	-	-	<b>\$1,593,560</b>

##### McKellips Road Improvements at Recker & Power Intersections (CP0063)

###### COUNCIL DISTRICT 5

Construct six through lanes and dual left turn lanes along McKellips Road at both intersections to provide adequate capacity and improved safety. Utility work needs to be completed in advance of street improvements.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Gas Bond	-	-	-	-	\$50,194	\$514,331	-	\$564,525
<b>Sum:</b>		-	-	-	-	<b>\$50,194</b>	<b>\$514,331</b>	-	<b>\$564,525</b>

##### McKellips Road Natural Gas Line: Country Club to Loop 202 (CP0221)

###### COUNCIL DISTRICT 1

Purchase and install intermediate pressure gas main for service along McKellips Road.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Gas Bond	-	-	\$28,015	\$338,037	-	-	-	\$366,052
<b>Sum:</b>		-	-	<b>\$28,015</b>	<b>\$338,037</b>	-	-	-	<b>\$366,052</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Natural Gas Aging Infrastructure

#### Replace Aging Utility Infrastructure (CP0649)

##### CITYWIDE

Replace less efficient utility lines or lines that are beyond their support lifecycle. Timely replacement will help avoid service disruptions.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	\$162,980	\$1,880,821	-	\$2,043,801	
2020 Wastewater Bond	-	-	-	-	\$592,309	\$6,676,537	-	\$7,268,846	
2020 Water Bond	-	-	-	-	\$568,657	\$5,943,543	-	\$6,512,200	
<b>Sum:</b>	-	-	-	-	<b>\$1,323,946</b>	<b>\$14,500,901</b>	-	<b>\$15,824,847</b>	

#### Rio Salado Parkway Utility Line Replacement (C10385)

##### COUNCIL DISTRICT 1

Replace intermediate pressure gas main to ensure operational integrity of the natural gas system in Mesa. ☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	\$77,973	-	-	-	-	\$77,973	
2020 Water Bond	-	-	\$449,174	-	-	-	-	\$449,174	
<b>Sum:</b>	-	-	<b>\$527,147</b>	-	-	-	-	<b>\$527,147</b>	

#### Stapley Road Utility Line: University to McKellips (CP0219)

##### CITYWIDE

Replace gas line along Stapley Drive to ensure operational reliability of the natural gas system.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	\$93,610	\$2,215,296	-	-	-	\$2,308,906	
<b>Sum:</b>	-	-	<b>\$93,610</b>	<b>\$2,215,296</b>	-	-	-	<b>\$2,308,906</b>	

#### University Drive Utility Line: Alma School to Country Club (CP0220)

##### CITYWIDE

Construct system improvements along University Drive to ensure operational reliability of the natural gas system.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Gas Bond	-	\$79,032	-	-	-	-	-	\$79,032	
2020 Gas Bond	-	-	\$863,318	-	-	-	-	\$863,318	
<b>Sum:</b>	-	<b>\$79,032</b>	<b>\$863,318</b>	-	-	-	-	<b>\$942,350</b>	

#### Utility Line Replacement in Quarter Section 19D (C10587)

##### COUNCIL DISTRICT 1

Replace aging main and service lines in plat quarter section 19D. ☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	-	\$1,279,947	-	\$1,279,947	
<b>Sum:</b>	-	-	-	-	-	<b>\$1,279,947</b>	-	<b>\$1,279,947</b>	

#### Utility Line Replacement in Quarter Section 36B (C10386)

##### CITYWIDE

Replace aging main and service lines in plat quarter section 36B. The boundaries for plat quarter sections 36B are 8th Street to University/Horne.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	\$37,017	\$636,867	-	-	-	\$673,884	
<b>Sum:</b>	-	-	<b>\$37,017</b>	<b>\$636,867</b>	-	-	-	<b>\$673,884</b>	



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Natural Gas Aging Infrastructure****Utility Line Replacement in Quarter Section 37C (C10588)****COUNCIL DISTRICT 4**

Replace aging main and service lines in plat quarter section 37C.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	-	\$1,338,577	-	\$1,338,577	
<b>Sum:</b>	-	-	-	-	-	\$1,338,577	-	\$1,338,577	

**Utility line Replacement in Quarter Section 45A & 45C (C10589)****COUNCIL DISTRICT 4**

Replacement of aging main and service lines in plat quarter section 45A and 45C.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	-	\$3,837,065	-	\$3,837,065	
<b>Sum:</b>	-	-	-	-	-	\$3,837,065	-	\$3,837,065	

**Utility Line Replacement in Quarter Sections 12B & 12D (C10584)****COUNCIL DISTRICT 3**

Replace aging main and service lines in plat quarter section 12B and 12D.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	\$305,578	\$5,384,638	-	\$5,690,216	
2020 Wastewater Bond	-	-	-	-	\$599,264	\$6,754,922	-	\$7,354,186	
<b>Sum:</b>	-	-	-	-	\$904,842	\$12,139,560	-	\$13,044,402	

**Utility Line Replacement in Quarter Sections 14A & 14C (C10585)****CITYWIDE**

Replace aging main and service lines in plat quarter section 14A and 14C.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	-	\$435,521	\$6,645,682	\$7,081,203	
<b>Sum:</b>	-	-	-	-	-	\$435,521	\$6,645,682	\$7,081,203	

**Utility Line Replacement in Quarter Sections 20A & 20B (C10381)****COUNCIL DISTRICT 1**

Replace aging main and service lines in plat quarter section 20A and 20B.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	\$76,409	\$1,280,770	-	-	-	\$1,357,179	
2020 Water Bond	-	-	\$691,273	\$7,210,362	-	-	-	\$7,901,635	
<b>Sum:</b>	-	-	\$767,682	\$8,491,132	-	-	-	\$9,258,814	

**Utility Line Replacement Quarter Section 21D, Clark, Pepper (C10382)****COUNCIL DISTRICT 4**

Replace aging main and service lines in plat quarter section 21D.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	\$56,456	\$964,856	-	\$1,021,312	
2020 Water Bond	-	-	-	-	\$486,323	\$5,083,001	-	\$5,569,324	
<b>Sum:</b>	-	-	-	-	\$542,779	\$6,047,857	-	\$6,590,636	

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### **Natural Gas Aging Infrastructure**

##### **Utility Line Replacement Quarter Sections 13C, 21A, & 20D (C10380)**

###### **CITYWIDE**

Replace aging main and service lines in plat quarter section 13C, 21A, and 20D.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2010 Gas Bond	-	-	-	-	-	-	-	-
	2014 Gas Bond	-	\$1,886,996	-	-	-	-	-	\$1,886,996
	<b>Sum:</b>	-	\$1,886,996	-	-	-	-	-	\$1,886,996

#### **Utility Main Replacements (CP0023)**

###### **COUNCIL DISTRICT 4**

Replace large utility transmission mains that have reached the end of their support lifecycle. Replacing these lines will help avoid service disruptions.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Gas Bond	-	-	\$355,582	-	-	-	-	\$355,582
	<b>Sum:</b>	-	-	\$355,582	-	-	-	-	\$355,582

#### **Warner Road Utility Infrastructure: Power to Sossaman (C10562)**

###### **COUNCIL DISTRICT 6**

Replace aging infrastructure to avoid service disruption in the area.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	\$111,073	\$1,169,912	-	-	-	\$1,280,985
	<b>Sum:</b>	-	-	\$111,073	\$1,169,912	-	-	-	\$1,280,985

#### **Natural Gas Growth**

##### **Gantzel Road Phase II: Queen Creek Wash to Ocotillo Rd. (CP0519)**

###### **MAGMA**

Increase the ability of the existing Gantzel Gate Station to feed the northern half of the Magma System. This second phase of the project will increase the flow capacity of the high pressure system north on Gantzel to Ocotillo Rd.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Gas Bond	-	-	-	-	\$2,214,790	-	-	\$2,214,790
	<b>Sum:</b>	-	-	-	-	\$2,214,790	-	-	\$2,214,790

#### **Gantzel Road & Queen Creek Gate Station & Gas Line Extension (CP0520)**

###### **MAGMA**

Install a new gate station in the Magma Service Area near Queen Creek Rd and Ellsworth to support continuing growth in the area.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2014 Gas Bond	-	\$400,023	-	-	-	-	-	\$400,023
	2020 Gas Bond	-	-	-	\$7,325,097	-	-	-	\$7,325,097
	<b>Sum:</b>	-	\$400,023	-	\$7,325,097	-	-	-	\$7,725,120

#### **Gas - Customer Upgrades (CP0890)**

###### **CITYWIDE**

Upgrade meters and or services per customer requests

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Natural Gas	\$23,995	\$1,386,857	\$778,998	\$796,607	\$815,645	\$835,789	\$2,633,689	\$7,271,580
	<b>Sum:</b>	\$23,995	\$1,386,857	\$778,998	\$796,607	\$815,645	\$835,789	\$2,633,689	\$7,271,580

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Natural Gas Growth****Gas New Mains (CP0481)****CITYWIDE**

Extend gas mains and services to new subdivisions.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2014 Gas Bond	\$3,262,717	\$5,365,953	-	-	-	-	-	\$8,628,670
	2020 Gas Bond	-	-	\$4,496,935	\$4,828,512	\$5,191,110	\$5,585,273	-	\$20,101,830
	<b>Sum:</b>	<b>\$3,262,717</b>	<b>\$5,365,953</b>	<b>\$4,496,935</b>	<b>\$4,828,512</b>	<b>\$5,191,110</b>	<b>\$5,585,273</b>	-	<b>\$28,730,500</b>

**Gas New Services (CP0480)****CITYWIDE**

Install gas lines in new subdivision developments throughout the City and Magma Service Area.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2014 Gas Bond	\$3,990,996	\$4,580,022	-	-	-	-	-	\$8,571,018
	2020 Gas Bond	-	-	\$3,051,489	\$3,276,487	\$3,522,537	\$3,790,006	-	\$13,640,519
	<b>Sum:</b>	<b>\$3,990,996</b>	<b>\$4,580,022</b>	<b>\$3,051,489</b>	<b>\$3,276,487</b>	<b>\$3,522,537</b>	<b>\$3,790,006</b>	-	<b>\$22,211,537</b>

**Higley Regulator Station: McDowell to Thomas (CP0181)****COUNCIL DISTRICT 5**

Construct a regulator station and other system improvements to ensure operational reliability and expansion of the natural gas pipeline to customers in northeast Mesa.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2014 Gas Bond	-	\$1,576,835	-	-	-	-	-	\$1,576,835
	<b>Sum:</b>	-	<b>\$1,576,835</b>	-	-	-	-	-	<b>\$1,576,835</b>

**Regulator Station, Hawes: McKellips Road to Hermosa Vista (CP0075)****COUNCIL DISTRICT 5**

Install a high pressure gas main and district regulator station to meet anticipated growth needs of the natural gas system in the East Mesa.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2014 Gas Bond	\$32,661	\$898,642	-	-	-	-	-	\$931,303
	<b>Sum:</b>	<b>\$32,661</b>	<b>\$898,642</b>	-	-	-	-	-	<b>\$931,303</b>

**Natural Gas System Reinforcement****District Regulator Station, Skyline and Circle Cross Ranch (C10376)****MAGMA**

Install a high pressure gas main and district regulator to meet anticipated growth needs of the natural gas system in the Magma service area.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2014 Gas Bond	\$78,548	\$3,128,368	-	-	-	-	-	\$3,206,916
	<b>Sum:</b>	<b>\$78,548</b>	<b>\$3,128,368</b>	-	-	-	-	-	<b>\$3,206,916</b>

**McDowell Road; 80th Street to Hawes Road (CP0072)****COUNCIL DISTRICT 5**

Construct a tie between two existing intermediate gas mains with new gas main to meet anticipated growth needs of the natural gas system in east Mesa.

Fund		Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years (3)	Totals
Capital	2010 Gas Bond	\$2,951	-	-	-	-	-	-	\$2,951
	2014 Gas Bond	-	-	\$562,075	-	-	-	-	\$562,075
	<b>Sum:</b>	<b>\$2,951</b>	-	<b>\$562,075</b>	-	-	-	-	<b>\$565,026</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Natural Gas System Reinforcement****Regulator Station Security (C10388)****CITYWIDE**

Install on-site security systems to monitor and deter theft and sabotage of regulator station equipment.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Gas Bond	\$23,657	-	-	-	-	-	-	\$23,657
2014 Gas Bond	-	\$86,591	-	-	-	-	-	\$86,591
2020 Gas Bond	-	-	\$68,073	\$70,810	\$73,748	\$76,870	-	\$289,501
<b>Sum:</b>	<b>\$23,657</b>	<b>\$86,591</b>	<b>\$68,073</b>	<b>\$70,810</b>	<b>\$73,748</b>	<b>\$76,870</b>	-	<b>\$399,749</b>

**Parks & Recreation****Crismon & Elliot Basin (CP0930)****COUNCIL DISTRICT 6**

Construct parking improvements to support drop in sports and recreational uses.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	-	-	\$198,903	\$793,881	\$1,486,192	-	\$2,478,976
O&M General Fund	-	-	-	-	-	-	\$825,964	\$825,964
<b>Sum:</b>	-	-	-	<b>\$198,903</b>	<b>\$793,881</b>	<b>\$1,486,192</b>	<b>\$825,964</b>	<b>\$3,304,940</b>

**Cubs Facility Improvements (CP0723)****COUNCIL DISTRICT 1**

Improve or upgrade Sloan Park and/or the Under Armor Performance Training Center for monument and directional signage around the site.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Spring Training Bond Constructic	\$302,804	\$27,025	-	-	-	-	-	\$329,829
<b>Sum:</b>	<b>\$302,804</b>	<b>\$27,025</b>	-	-	-	-	-	<b>\$329,829</b>

**Dog Park - Countryside Park (CP0933)****COUNCIL DISTRICT 2**

Construct a new 1.5-acre dog park expansion at the existing Countryside Dog Park

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	-	-	\$37,294	\$117,222	\$396,318	-	\$550,834
O&M General Fund	-	-	-	-	-	-	\$106,118	\$106,118
<b>Sum:</b>	-	-	-	<b>\$37,294</b>	<b>\$117,222</b>	<b>\$396,318</b>	<b>\$106,118</b>	<b>\$656,952</b>

**Eagles Park (CP0211)****COUNCIL DISTRICT 2**

Construct a community park on the former Mesa Junior High property with lighted multi-use/soccer fields, picnic ramadas, exercise stations, and a playground.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2012 Park Bond	\$3,411,350	\$3,220,000	-	-	-	-	-	\$6,631,350
Capital - General Fund	\$84,665	\$10,222	-	-	-	-	-	\$94,887
Community Development Block	\$1,150,000	-	-	-	-	-	-	\$1,150,000
Grants - Gen. Gov.	-	\$49,345	-	-	-	-	-	\$49,345
Local Streets Fund	\$1,989,857	\$788,591	-	-	-	-	-	\$2,778,448
Neighborhood Stabilization Prog	\$2,600,000	-	-	-	-	-	-	\$2,600,000
<b>Sum:</b>	<b>\$9,235,871</b>	<b>\$4,068,158</b>	-	-	-	-	-	<b>\$13,304,029</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Parks & Recreation

#### Federal Building Renovation (CP0213)

##### COUNCIL DISTRICT 1

Renovate the old Federal Building in downtown Mesa to allow for public use.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2012 Park Bond	\$611,265	\$4,326,000	-	-	-	-	-	-	\$4,937,265
2018 Parks Bond	\$200,000	\$1,000,000	\$1,500,000	\$497,259	-	-	-	-	\$3,197,259
O&M General Fund	-	-	-	\$290,049	\$211,398	\$216,616	\$682,396	-	\$1,400,459
<b>Sum:</b>	<b>\$811,265</b>	<b>\$5,326,000</b>	<b>\$1,500,000</b>	<b>\$787,308</b>	<b>\$211,398</b>	<b>\$216,616</b>	<b>\$682,396</b>	-	<b>\$9,534,983</b>

#### Harris Basin Playground (CP0934)

##### COUNCIL DISTRICT 1

Install new playground at the existing basin near Harris Drive and McKellips Road

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Parks Bond	\$35,000	\$265,000	-	-	-	-	-	-	\$300,000
O&M General Fund	-	-	\$17,218	\$17,608	\$18,028	\$18,473	\$58,210	-	\$129,537
<b>Sum:</b>	<b>\$35,000</b>	<b>\$265,000</b>	<b>\$17,218</b>	<b>\$17,608</b>	<b>\$18,028</b>	<b>\$18,473</b>	<b>\$58,210</b>	-	<b>\$429,537</b>

#### Kleinman Park (CP0553)

##### COUNCIL DISTRICT 4

Improve existing amenities at Kleinman Park to address aging equipment and systems.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2012 Park Bond	\$1,460,487	-	-	-	-	-	-	-	\$1,460,487
Capital - General Fund	\$14,032	-	-	-	-	-	-	-	\$14,032
Community Development Block	\$249,404	\$596	-	-	-	-	-	-	\$250,000
Grants - Gen. Gov.	\$99,983	-	-	-	-	-	-	-	\$99,983
<b>Sum:</b>	<b>\$1,823,907</b>	<b>\$596</b>	-	-	-	-	-	-	<b>\$1,824,503</b>

#### Marlborough Mesa Park Playground (CP0942)

##### COUNCIL DISTRICT 3

Installation of new play structures, ADA access to the playground, and a playground shade structure.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Parks Bond	-	-	-	\$19,891	\$178,516	-	-	-	\$198,407
<b>Sum:</b>	-	-	-	<b>\$19,891</b>	<b>\$178,516</b>	-	-	-	<b>\$198,407</b>

#### Monterey Park (CP0914)

##### COUNCIL DISTRICT 6

Construct 4 lighted youth baseball/softball fields, 3 lighted soccer fields, a playground shade structure, parking spaces, and restrooms adjacent to the existing park near Power & Guadalupe.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Parks Bond	\$1,003,614	\$1,000,000	\$3,000,001	\$4,475,323	\$2,778,579	-	-	-	\$12,257,517
O&M General Fund	-	-	-	-	\$914,768	\$467,695	\$1,543,135	-	\$2,925,598
<b>Sum:</b>	<b>\$1,003,614</b>	<b>\$1,000,000</b>	<b>\$3,000,001</b>	<b>\$4,475,323</b>	<b>\$3,693,347</b>	<b>\$467,695</b>	<b>\$1,543,135</b>	-	<b>\$15,183,115</b>

#### North Center Street (CP0915)

##### COUNCIL DISTRICT 1

Construct 6 lighted soccer fields, parking improvements, and restrooms.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2018 Parks Bond	\$3,800,858	\$1,000,000	\$4,400,000	\$4,972,581	-	-	-	-	\$14,173,439
O&M General Fund	-	-	-	-	\$469,574	\$396,779	\$1,303,538	-	\$2,169,891
<b>Sum:</b>	<b>\$3,800,858</b>	<b>\$1,000,000</b>	<b>\$4,400,000</b>	<b>\$4,972,581</b>	<b>\$469,574</b>	<b>\$396,779</b>	<b>\$1,303,538</b>	-	<b>\$16,343,330</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Parks & Recreation

#### Palo Verde Park Playground (CP0941)

##### COUNCIL DISTRICT 3

Install new play structures, ADA access to the playground, and a playground shade structure.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	-	-	\$34,809	\$312,591	-	-	\$347,400
<b>Sum:</b>	-	-	-	<b>\$34,809</b>	<b>\$312,591</b>	-	-	<b>\$347,400</b>

#### Parks Irrigation Controllers (CN0009)

##### CITYWIDE

Upgrade existing irrigation controllers throughout the City's park system which are reaching the end of their service life.

Installation of the new controllers will take place in phases.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2012 Park Bond	-	-	-	-	-	-	-	-
Capital - General Fund	\$400,645	\$352,455	-	-	-	-	-	\$753,100
<b>Sum:</b>	<b>\$400,645</b>	<b>\$352,455</b>	-	-	-	-	-	<b>\$753,100</b>

#### Plaza @ Mesa City Center (CP0920)

##### COUNCIL DISTRICT 4

Construct a 2-acre public plaza including a water feature and an ice skating rink.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	\$191,407	\$5,500,000	\$2,000,000	-	-	-	-	\$7,691,407
Capital - General Fund	\$175	\$383,335	-	-	-	-	-	\$383,510
O&M General Fund	-	-	\$489,146	\$203,641	\$216,057	\$300,688	\$947,883	\$2,157,415
<b>Sum:</b>	<b>\$191,582</b>	<b>\$5,883,335</b>	<b>\$2,489,146</b>	<b>\$203,641</b>	<b>\$216,057</b>	<b>\$300,688</b>	<b>\$947,883</b>	<b>\$10,232,332</b>

#### Red Mountain Park Community Athletic Fields (CP0932)

##### COUNCIL DISTRICT 5

Construct 9 lighted soccer fields, lighted parking, pond expansion and restrooms adjacent to Red Mountain Park.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	\$100,000	\$500,000	\$11,337,485	\$12,900,547	-	-	\$24,838,032
O&M General Fund	-	-	-	-	-	\$1,381,559	\$2,792,786	\$4,174,345
<b>Sum:</b>	-	<b>\$100,000</b>	<b>\$500,000</b>	<b>\$11,337,485</b>	<b>\$12,900,547</b>	<b>\$1,381,559</b>	<b>\$2,792,786</b>	<b>\$29,012,377</b>

#### Red Mountain - Youth Baseball/Softball (CP0931)

##### COUNCIL DISTRICT 5

Construct 4 lighted youth baseball/softball fields along with parking lot expansion and restrooms.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	\$100,000	\$700,000	\$3,182,452	\$3,175,519	-	-	\$7,157,971
O&M General Fund	-	-	-	-	-	\$724,370	\$1,535,552	\$2,259,922
<b>Sum:</b>	-	<b>\$100,000</b>	<b>\$700,000</b>	<b>\$3,182,452</b>	<b>\$3,175,519</b>	<b>\$724,370</b>	<b>\$1,535,552</b>	<b>\$9,417,893</b>

#### Riverview Irrigation Filter Upgrade (CP0784)

##### COUNCIL DISTRICT 1

Install properly sized filters at Riverview Park that will work with the irrigation components.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Cubs Spring Training Facility	\$154,280	\$48,926	-	-	-	-	-	\$203,206
<b>Sum:</b>	<b>\$154,280</b>	<b>\$48,926</b>	-	-	-	-	-	<b>\$203,206</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### **Parks & Recreation**

#### **Signal Butte Park Phase I (CP0121)**

##### **COUNCIL DISTRICT 6**

Construct a metro park on land surrounding the water treatment plant at Elliot Road and Signal Butte. Initial phase includes trails and interpretive opportunities explaining the story of water in the desert along with parking.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2012 Park Bond	\$127,982	\$1,300,000	-	-	-	-	-	\$1,427,982
2014 Water Bond	\$38,706	-	-	-	-	-	-	\$38,706
Highway User Revenue Fund	\$8,148	\$712	-	-	-	-	-	\$8,860
Transportation	-	\$209,488	-	-	-	-	-	\$209,488
O&M Environmental Compliance Fee	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
<b>Sum:</b>	<b>\$174,836</b>	<b>\$1,510,200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,685,036</b>

#### **Signal Butte Park Phase 2 (CP0707)**

##### **COUNCIL DISTRICT 6**

Construct additional park space on land surrounding the water treatment at Elliot Road and Signal Butte.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Parks Bond	-	-	\$500,000	\$2,088,484	\$2,381,640	-	-	\$4,970,124
O&M General Fund	-	-	-	-	-	\$1,216,484	\$2,369,147	\$3,585,631
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$500,000</b>	<b>\$2,088,484</b>	<b>\$2,381,640</b>	<b>\$1,216,484</b>	<b>\$2,369,147</b>	<b>\$8,555,755</b>

### **Police**

#### **Advocacy Center Interview Suite Sound Attenuation Upgrades (CP0747)**

##### **CITYWIDE**

Renovate four existing interview rooms to provide sound proofing. This will assist in maintaining confidentiality throughout the adjacent rooms.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital - General Fund	\$87,699	\$15,564	-	-	-	-	-	\$103,263
<b>Sum:</b>	<b>\$87,699</b>	<b>\$15,564</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$103,263</b>

#### **Northeast Public Safety Facility (CP0913)**

##### **COUNCIL DISTRICT 5**

Construct a new public safety facility in the northeast section of Mesa.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Public Safety Bond	\$2,506,185	\$3,000,000	\$4,000,000	\$11,238,033	\$16,076,066	-	-	\$36,820,284
O&M General Fund	-	-	-	-	-	\$1,842,421	\$3,735,855	\$5,578,276
Public Safety Sales Tax Fire Medi	-	-	-	-	\$1,581,696	\$1,620,288	\$5,273,542	\$8,475,526
<b>Sum:</b>	<b>\$2,506,185</b>	<b>\$3,000,000</b>	<b>\$4,000,000</b>	<b>\$11,238,033</b>	<b>\$17,657,762</b>	<b>\$3,462,709</b>	<b>\$9,009,397</b>	<b>\$50,874,086</b>

#### **Police Evidence Facility (CP0695)**

##### **COUNCIL DISTRICT 4**

Construct a new Police evidence facility. This facility, capable of housing the longer term and general evidence storage needs of the Police Department, would be equipped with secure climate controlled and cooler storage.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2018 Public Safety Bond	-	-	-	-	\$496,175	\$2,476,988	\$6,927,803	\$9,900,966
O&M General Fund	-	-	-	-	-	-	\$1,197,036	\$1,197,036
Public Safety Sales Tax Fire Medi	-	-	-	-	-	-	\$1,209,724	\$1,209,724
Public Safety Sales Tax Police	-	-	-	-	-	-	\$1,010,540	\$1,010,540
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$496,175</b>	<b>\$2,476,988</b>	<b>\$10,345,103</b>	<b>\$13,318,266</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Shared Use Paths

#### Bike and Pedestrian Pilot projects (CP0531)

##### CITYWIDE

Improve the City's multi-modal transportation system.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Local Streets Fund	\$82,591	\$615,914	-	-	-	-	-	\$698,505
<b>Sum:</b>		<b>\$82,591</b>	<b>\$615,914</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$698,505</b>

#### Eastern Canal Shared-Use Path: Brown to Broadway (CP0673)

##### COUNCIL DISTRICT 5

Construct shared-use asphalt path to resolve a missing link in the regional non-motorized system.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2018 Parks Bond	-	\$180,000	\$620,000	\$994,516	-	-	-	\$1,794,516
O&M	Environmental Compliance Fee	-	-	-	-	\$5,357	\$5,490	\$17,299	\$28,146
	Local Streets Fund	-	-	-	-	\$10,715	\$10,979	\$34,596	\$56,290
<b>Sum:</b>		<b>-</b>	<b>\$180,000</b>	<b>\$620,000</b>	<b>\$994,516</b>	<b>\$16,072</b>	<b>\$16,469</b>	<b>\$51,895</b>	<b>\$1,878,952</b>

#### Eastern Canal Shared-Use Path: Lindsay to Brown (CP0867)

##### COUNCIL DISTRICT 1

Install a paved pathway from Lindsay to Brown and putting in a signal on McKellips and Lindsay.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Local Streets Fund	\$114,699	\$1,300,956	-	-	-	-	-	\$1,415,655
<b>Sum:</b>		<b>\$114,699</b>	<b>\$1,300,956</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,415,655</b>

#### Lehi Crossing Shared-Use Path (CP0672)

##### CITYWIDE

Construct a shared-use path that will extend along the SRP canal service road.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2018 Parks Bond	\$200,000	\$2,000,000	\$2,100,000	\$1,292,872	-	-	-	\$5,592,872
O&M	Environmental Compliance Fee	-	-	-	\$2,093	\$2,143	\$2,196	\$6,919	\$13,351
	Local Streets Fund	-	-	-	\$4,185	\$4,285	\$4,392	\$13,839	\$26,701
<b>Sum:</b>		<b>\$200,000</b>	<b>\$2,000,000</b>	<b>\$2,100,000</b>	<b>\$1,299,150</b>	<b>\$6,428</b>	<b>\$6,588</b>	<b>\$20,758</b>	<b>\$5,632,924</b>

#### Mesa Gateway Bike and Pedestrian Path Phase 2 (CP0529)

##### CITYWIDE

Construct segment 2 of the southeast path from Elliot Road to Hawes Road.

		Estimated Exp						Future Years	Totals
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Grants - Gen. Gov.	-	-	\$2,079,984	-	-	-	-	\$2,079,984
	Local Streets Fund	\$73,704	\$304,124	\$2,745,990	-	-	-	-	\$3,123,818
O&M	Environmental Compliance Fee	-	-	-	\$2,093	\$2,143	\$2,196	\$11,587	\$18,019
	Local Streets Fund	-	-	-	\$4,185	\$4,285	\$4,392	\$23,175	\$36,037
<b>Sum:</b>		<b>\$73,704</b>	<b>\$304,124</b>	<b>\$4,825,974</b>	<b>\$6,278</b>	<b>\$6,428</b>	<b>\$6,588</b>	<b>\$34,762</b>	<b>\$5,257,858</b>



## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Shared Use Paths

##### South Canal Shared-Use Path: Consolidated Canal to McKellips (CP0671)

###### COUNCIL DISTRICT 5

Construct shared-use path resolving a missing link in the regional non-motorized system.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Street Bond	-	-	\$2,116,675	\$53,390	-	-	-	-	\$2,170,065
Grants - Gen. Gov.	-	\$2,003,013	-	\$1,067,789	-	-	-	-	\$3,070,802
Local Streets Fund	\$98,245	\$522,952	-	-	-	-	-	-	\$621,197
O&M Environmental Compliance Fee	-	-	-	-	\$2,143	\$2,196	\$6,919	\$6,919	\$11,258
Local Streets Fund	-	-	-	-	\$4,285	\$4,392	\$13,839	\$13,839	\$22,516
<b>Sum:</b>	<b>\$98,245</b>	<b>\$2,525,965</b>	<b>\$2,116,675</b>	<b>\$1,121,179</b>	<b>\$6,428</b>	<b>\$6,588</b>	<b>\$20,758</b>	<b>\$20,758</b>	<b>\$5,895,838</b>

#### Storm Sewer

##### 10th Avenue and SIRRINE Drainage (CP0558)

###### COUNCIL DISTRICT 4

Construct storm drainage improvements to prevent neighborhood flooding. Flat streets lack capacity, conveyance, and tops over sidewalks and floods homes that are built at grade finished floors.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Water Bond	\$18,070	-	-	-	-	-	-	-	\$18,070
Highway User Revenue Fund	\$315	\$697,000	-	-	-	-	-	-	\$697,315
Local Streets Fund	\$12,304	-	-	-	-	-	-	-	\$12,304
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$6,919	\$17,398
<b>Sum:</b>	<b>\$30,689</b>	<b>\$699,000</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$6,919</b>	<b>\$745,087</b>

##### 64th Street and Halifax Drainage (CP0817)

###### COUNCIL DISTRICT 5

Install a new storm drain system in 64th Street to capture flows from county islands that cause flooding.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$15,553	\$820,119	-	-	-	-	-	-	\$835,672
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$6,919	\$17,398
<b>Sum:</b>	<b>\$15,553</b>	<b>\$1,072,119</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$6,919</b>	<b>\$1,103,070</b>

##### Broadway Road and Lazona Drainage (CP0743)

###### COUNCIL DISTRICT 4

Install storm drain pipes in Broadway Road and Lazona Street to capture flows that otherwise create drainage issues for the neighborhood and ultimately flood the intersection of Broadway and Stapley.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$42,156	\$1,281,894	-	-	-	-	-	-	\$1,324,050
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$6,919	\$17,398
<b>Sum:</b>	<b>\$42,156</b>	<b>\$1,533,894</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$6,919</b>	<b>\$1,591,448</b>

##### Gilbert Road & Hackamore Drainage (CP0744)

###### COUNCIL DISTRICT 3

Install storm drain pipes at Gilbert Road and Hackamore Circle to capture flows that otherwise create drainage issues for the neighborhood.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Grants - Gen. Gov.	\$198,357	\$51,643	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$261,458	\$100,000	-	-	-	-	-	-	\$361,458
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$6,919	\$17,398
<b>Sum:</b>	<b>\$459,816</b>	<b>\$153,643</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$6,919</b>	<b>\$628,857</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Storm Sewer

#### Horne Storm Drain System (CP0557)

##### COUNCIL DISTRICT 4

Construct a new storm drain system in Horne Rd that will connect to an existing storm drain in Southern Ave. Improvements will be done over three phases to provide better drainage to the neighborhoods surrounding Horne.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Highway User Revenue Fund	\$877,106	\$1,680,000	-	-	-	-	-	\$2,557,106
Local Streets Fund	\$995,747	-	-	-	-	-	-	\$995,747
O&M Environmental Compliance Fee	-	\$42,000	\$42,979	\$43,950	\$45,001	\$46,112	\$98,077	\$318,119
<b>Sum:</b>	<b>\$1,872,853</b>	<b>\$1,722,000</b>	<b>\$42,979</b>	<b>\$43,950</b>	<b>\$45,001</b>	<b>\$46,112</b>	<b>\$98,077</b>	<b>\$3,870,972</b>

#### Lehi Area Drainage Improvement Project (CP0567)

##### COUNCIL DISTRICT 2

Install storm drain in Lehi Road from Center Street eastward to address drainage issues.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Street Bond	-	-	-	\$1,162,356	\$6,403,595	\$5,068,721	-	\$12,634,672
Environmental Compliance Fee	\$19,821	\$262,500	-	-	-	-	-	\$282,321
Highway User Revenue Fund	-	-	-	-	-	-	-	-
Local Streets Fund	-	-	-	-	-	-	-	-
O&M Environmental Compliance Fee	-	-	-	-	-	-	\$6,919	\$6,919
<b>Sum:</b>	<b>\$19,821</b>	<b>\$262,500</b>	<b>-</b>	<b>\$1,162,356</b>	<b>\$6,403,595</b>	<b>\$5,068,721</b>	<b>\$6,919</b>	<b>\$12,923,912</b>

#### Main Street and Maple Drainage (CP0741)

##### COUNCIL DISTRICT 2

Extend a storm drain pipe with catch basins along Sulley and Maple Street to capture overflow from an adjacent basin that overflows during storm events.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Environmental Compliance Fee	\$113,608	-	-	-	-	-	-	\$113,608
Grants - Gen. Gov.	\$203,720	-	-	-	-	-	-	\$203,720
Highway User Revenue Fund	\$83,420	\$234,742	-	-	-	-	-	\$318,162
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$17,398
<b>Sum:</b>	<b>\$400,749</b>	<b>\$236,742</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$652,889</b>

#### Royal Palms Drainage (CP0556)

##### COUNCIL DISTRICT 1

Construct flap gates on manholes and a relief line to Candlelight Park. Flooding caused by retention in the golf course backing up into the cul de sac and flooding homes.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$23,522	\$162,444	-	-	-	-	-	\$185,966
<b>Sum:</b>	<b>\$23,522</b>	<b>\$162,444</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$185,966</b>

#### Skyview Drainage (CP0745)

##### COUNCIL DISTRICT 5

Install a storm drain system to capture flows that currently flood neighborhood streets. The flows will be directed to a City of Mesa owned basin that will be expanded to handle additional capacity.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$802,291	\$123,283	-	-	-	-	-	\$925,574
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$17,398
<b>Sum:</b>	<b>\$1,052,291</b>	<b>\$125,283</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$1,192,972</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Storm Sewer

#### Somerset Drainage (CP0819)

##### COUNCIL DISTRICT 2

Rehabilitate the storm drain system to alleviate flooding that has historically happened.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$664,364	-	-	-	-	-	\$664,364
<b>Sum:</b>	-	<b>\$914,364</b>	-	-	-	-	-	<b>\$914,364</b>

#### Sossaman and Main Drainage Ditch (CP0790)

##### COUNCIL DISTRICT 5

Rehabilitate a drainage channel located on the east side of Sossaman Road south of Main Street. The existing concrete lining is in poor condition and is cracked, broken or missing in several locations.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Environmental Compliance Fee	\$143,620	\$144,964	-	-	-	-	-	\$288,584
<b>Sum:</b>	<b>\$143,620</b>	<b>\$144,964</b>	-	-	-	-	-	<b>\$288,584</b>

#### Storm Drain Pump Stations (CP0491)

##### COUNCIL DISTRICT 1

Rehabilitate aging storm drain pump stations.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Street Bond	-	-	\$1,611,698	\$1,648,127	\$1,687,518	\$1,729,193	\$1,772,773	\$8,449,309
Environmental Compliance Fee	-	\$3,785,903	-	-	-	-	-	\$3,785,903
O&M Environmental Compliance Fee	\$184,365	\$5,000	\$5,117	\$5,232	\$5,357	\$5,490	\$17,299	\$227,860
<b>Sum:</b>	<b>\$184,365</b>	<b>\$3,790,903</b>	<b>\$1,616,815</b>	<b>\$1,653,359</b>	<b>\$1,692,875</b>	<b>\$1,734,683</b>	<b>\$1,790,072</b>	<b>\$12,463,072</b>

#### Venture Out Drainage (CP0818)

##### COUNCIL DISTRICT 2

Extend the existing line and add two new points of access on Broadway Road where flow from Venture Out will enter the line.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Environmental Compliance Fee	-	\$193,795	-	-	-	-	-	\$193,795
Grants - Gen. Gov.	\$306	\$249,694	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$133,311	\$1,000,000	-	-	-	-	-	\$1,133,311
O&M Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,093	\$2,143	\$2,196	\$6,919	\$17,398
<b>Sum:</b>	<b>\$133,617</b>	<b>\$1,445,489</b>	<b>\$2,047</b>	<b>\$2,093</b>	<b>\$2,143</b>	<b>\$2,196</b>	<b>\$6,919</b>	<b>\$1,594,504</b>

### Streets

#### 1st Avenue Improvements (CP0279)

##### COUNCIL DISTRICT 4

Install landscaping and street improvements in areas along downtown at both 1st Avenue and Hibbert.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2013 Street Bond	\$288,807	\$2,500,000	-	-	-	-	-	\$2,788,807
2014 Electric Bond	\$2,928	\$660,001	-	-	-	-	-	\$662,929
2014 Gas Bond	\$2,436	-	-	-	-	-	-	\$2,436
2014 Wastewater Bond	\$102	\$19,227	\$193,226	-	-	-	-	\$212,555
2014 Water Bond	\$6,036	\$116,783	\$991,774	-	-	-	-	\$1,114,593
Local Streets Fund	-	\$1,000,000	-	-	-	-	-	\$1,000,000
<b>Sum:</b>	<b>\$300,309</b>	<b>\$4,296,011</b>	<b>\$1,185,000</b>	-	-	-	-	<b>\$5,781,320</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Streets

##### 1st Avenue Improvements Phases 2 - 4 (CP0929)

###### COUNCIL DISTRICT 4

Installing landscaping and street improvements in areas along downtown at both 1st Avenue and Hibbert.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Electric Bond	-	-	-	\$2,282,023	-	-	-	-	\$2,282,023
2020 Gas Bond	-	-	-	\$2,125,223	-	-	-	-	\$2,125,223
2020 Street Bond	-	-	\$528,023	\$5,191,383	-	-	-	-	\$5,719,406
2020 Wastewater Bond	-	-	-	\$519,671	-	-	-	-	\$519,671
2020 Water Bond	-	-	-	\$1,982,193	-	-	-	-	\$1,982,193
O&M Environmental Compliance Fee	-	-	-	-	\$3,413	\$3,498	\$11,023		\$17,934
Local Streets Fund	-	-	-	-	\$10,162	\$10,413	\$32,815		\$53,390
<b>Sum:</b>	-	-	<b>\$528,023</b>	<b>\$12,100,493</b>	<b>\$13,575</b>	<b>\$13,911</b>	<b>\$43,838</b>		<b>\$12,699,840</b>

##### Arterial Reconstruction (CP0439)

###### CITYWIDE

Reconstruct arterial street segments that are at the end of their life cycle and can no longer be maintained by conventional means. Concurrent work will include upgrades to any concrete ramps, driveways and sidewalks to current ADA standards.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2008 Street Bond	\$231,987	-	-	-	-	-	-	-	\$231,987
2010 Gas Bond	\$26,175	-	-	-	-	-	-	-	\$26,175
2013 Street Bond	\$12,161,008	\$2,050,000	-	-	-	-	-	-	\$14,211,008
2014 Water Bond	\$1,230,644	-	-	-	-	-	-	-	\$1,230,644
Utility Replacement Extension ar	\$54,134	\$12,206	-	-	-	-	-	-	\$66,340
<b>Sum:</b>	<b>\$13,703,948</b>	<b>\$2,062,206</b>	-	-	-	-	-	-	<b>\$15,766,154</b>

##### Arterial Reconstruction (CP0861)

###### CITYWIDE

Reconstruct arterial street segments that are at the end of their life cycle and can no longer be maintained by conventional means. Concurrent work will include upgrades to any concrete ramps, driveways and sidewalks to current ADA standards.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Street Bond	-	-	\$85,957	\$4,120,319	\$19,355,831	\$19,683,975	\$8,573,528		\$51,819,610
2020 Water Bond	-	-	\$898,347	-	-	-	-	-	\$898,347
<b>Sum:</b>	-	-	<b>\$984,304</b>	<b>\$4,120,319</b>	<b>\$19,355,831</b>	<b>\$19,683,975</b>	<b>\$8,573,528</b>		<b>\$52,717,957</b>

##### Baseline Road: 24th Street to the Consolidated Canal (CP0658)

###### COUNCIL DISTRICT 3

Widen Baseline Road from 24th Street to the Consolidated Canal to mitigate traffic delays and improve safety.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2013 Street Bond	\$588,032	\$4,300,000	-	-	-	-	-	-	\$4,888,032
Transportation	\$6,064	\$283,000	-	-	-	-	-	-	\$289,064
Water	\$711	\$97,708	-	-	-	-	-	-	\$98,419
<b>Sum:</b>	<b>\$594,807</b>	<b>\$4,680,708</b>	-	-	-	-	-	-	<b>\$5,275,515</b>

##### Bridge Safety Rehabilitation (CP0780)

###### CITYWIDE

Address maintenance items and rehabilitation work needing to be performed on numerous existing bridges through the City as identified during bridge inspections performed by ADOT.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital Local Streets Fund	\$91,447	\$658,070	\$235,783	\$241,112	\$246,875	\$252,972	\$797,150		\$2,523,409
<b>Sum:</b>	<b>\$91,447</b>	<b>\$658,070</b>	<b>\$235,783</b>	<b>\$241,112</b>	<b>\$246,875</b>	<b>\$252,972</b>	<b>\$797,150</b>		<b>\$2,523,409</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Streets****Broadway Road: Lesueur to Spur (CP0666)****COUNCIL DISTRICT 4**

Address safety and capacity needs along the Broadway Road corridor from Lesueur to Spur.

Fund	Estimated Exp						Future Years	Totals	
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital	2014 Electric Bond	-	\$340,201	-	-	-	-	-	\$340,201
	2014 Gas Bond	-	-	-	-	-	-	-	-
	2014 Water Bond	-	\$500,000	-	-	-	-	-	\$500,000
	2020 Electric Bond	-	-	-	-	-	\$3,536,402	-	\$3,536,402
	2020 Gas Bond	-	-	-	\$212,758	-	\$3,660,261	-	\$3,873,019
	2020 Street Bond	-	-	-	\$1,453,648	\$1,305,999	\$15,245,714	-	\$18,005,361
	2020 Water Bond	-	-	-	-	-	\$5,571,150	-	\$5,571,150
	Local Streets Fund	-	\$1,627,261	-	-	-	-	-	\$1,627,261
O&M	Environmental Compliance Fee	-	-	-	-	-	-	\$10,231	\$10,231
	Local Streets Fund	-	-	-	-	-	-	\$18,032	\$18,032
	<b>Sum:</b>	-	<b>\$2,467,462</b>	-	<b>\$1,666,406</b>	<b>\$1,305,999</b>	<b>\$28,013,527</b>	<b>\$28,263</b>	<b>\$33,481,657</b>

**Broadway Road Streetscape: Tempe City Limits to Gilbert Road (CP0710)****CITYWIDE**

Improve the Broadway Road streetscape from the Tempe City limits to Gilbert Road.

Fund	Estimated Exp						Future Years	Totals	
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital	Local Streets Fund	\$426,696	\$1,107,634	-	-	-	-	-	\$1,534,330
	<b>Sum:</b>	<b>\$426,696</b>	<b>\$1,107,634</b>	-	-	-	-	-	<b>\$1,534,330</b>

**Country Club and Main Improvements (CP0856)****COUNCIL DISTRICT 4**

Construct raised median and replace utility lines in Country Club Road north of Main Street.

Fund	Estimated Exp						Future Years	Totals	
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital	2014 Wastewater Bond	\$10,821	-	-	-	-	-	-	\$10,821
	Local Streets Fund	\$6,541	\$182,786	-	-	-	-	-	\$189,327
	<b>Sum:</b>	<b>\$17,362</b>	<b>\$182,786</b>	-	-	-	-	-	<b>\$200,148</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Streets

##### Country Club Underpass (CP0736)

###### COUNCIL DISTRICT 4

Remove the barrier at Country Club underpass south of Main Street and replace with sidewalk, curb and gutter.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$12,367	\$729,196	-	-	-	-	-	\$741,563
<b>Sum:</b>	<b>\$12,367</b>	<b>\$729,196</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$741,563</b>

##### East Mesa Service Center Wash Rack (CP0348)

###### COUNCIL DISTRICT 5

Expand the wash area to include the addition of four wash bays for sweepers and vector trucks. In addition, the existing pre-treatment equipment will be removed and not replaced as it is no longer needed.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Environmental Compliance Fee	\$463,624	\$96,631	-	-	-	-	-	\$560,255
Local Streets Fund	\$265,890	\$98,742	-	-	-	-	-	\$364,632
<b>Sum:</b>	<b>\$729,513</b>	<b>\$195,373</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$924,886</b>

##### Eastside Improvements at Phx-Mesa Gateway Airport (CP0217)

###### COUNCIL DISTRICT 6

Develop the east side of the airport to increase capacity and economic development opportunities.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2013 Street Bond	-	\$2,947,203	-	-	-	-	-	\$2,947,203
<b>Sum:</b>	<b>-</b>	<b>\$2,947,203</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,947,203</b>

##### Economic Development (CP0342)

###### CITYWIDE

Fund required improvements associated with significant economic development projects.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Wastewater Bond	-	\$388,799	\$795,719	-	-	-	-	\$1,184,518
2014 Water Bond	-	\$713,732	\$1,460,729	-	-	-	-	\$2,174,461
2020 Street Bond	-	-	\$1,945,067	\$1,938,372	\$1,933,832	\$1,930,713	\$1,930,221	\$9,678,205
<b>Sum:</b>	<b>-</b>	<b>\$1,102,531</b>	<b>\$4,201,515</b>	<b>\$1,938,372</b>	<b>\$1,933,832</b>	<b>\$1,930,713</b>	<b>\$1,930,221</b>	<b>\$13,037,184</b>

##### Elliot Road Improvements: Ellsworth to Signal Butte (CP0571)

###### COUNCIL DISTRICT 6

Construct improvements to Elliot Road in support of the concept of it being a technology corridor.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2013 Street Bond	\$5,486,284	\$1,166,000	-	-	-	-	-	\$6,652,284
Local Streets Fund	\$195,099	-	-	-	-	-	-	\$195,099
Transportation	\$352,137	\$14,242,544	-	-	-	-	-	\$14,594,681
O&M Environmental Compliance Fee	-	\$4,991	\$5,107	\$5,222	\$5,347	\$5,480	\$17,268	\$43,415
Highway User Revenue Fund	-	-	-	-	-	-	-	-
Local Streets Fund	-	\$44,207	\$45,237	\$46,259	\$47,364	\$48,535	\$152,941	\$384,543
<b>Sum:</b>	<b>\$6,033,520</b>	<b>\$15,457,742</b>	<b>\$50,344</b>	<b>\$51,481</b>	<b>\$52,711</b>	<b>\$54,015</b>	<b>\$170,209</b>	<b>\$21,870,022</b>

##### Gilbert Road Bridge (CN0056)

###### COUNCIL DISTRICT 1

Fund the City's share of Gilbert Road bridge construction costs.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	-	\$1,000,000	-	-	-	-	-	\$1,000,000
<b>Sum:</b>	<b>-</b>	<b>\$1,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,000,000</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Streets

#### MAG Projects Local Match (CP0109)

##### CITYWIDE

Fund the local match for transportation projects that are eligible for regional funding.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	-	\$416,850	\$426,563	\$436,205	\$446,630	\$457,659	\$1,442,151	\$3,626,058
<b>Sum:</b>	<b>-</b>	<b>\$416,850</b>	<b>\$426,563</b>	<b>\$436,205</b>	<b>\$446,630</b>	<b>\$457,659</b>	<b>\$1,442,151</b>	<b>\$3,626,058</b>

#### Main Street Tree Revitalization (CP0668)

##### CITYWIDE

Replace Palo Brea trees along Main Street. Analysis will include public involvement process to select a new tree species.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$59,507	\$479,750	-	-	-	-	-	\$539,257
<b>Sum:</b>	<b>\$59,507</b>	<b>\$479,750</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$539,257</b>

#### McDowell Underpass Erosion (CP0776)

##### COUNCIL DISTRICT 1

Correct erosion issue on retaining wall at the McDowell underpass.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$61,770	\$1,423,956	-	-	-	-	-	\$1,485,726
<b>Sum:</b>	<b>\$61,770</b>	<b>\$1,423,956</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,485,726</b>

#### Mesa Drive Phase II (C01400)

##### COUNCIL DISTRICT 4

Construct an additional through lane in all directions as well as fully-protected dual left turn lanes. Construct bus pullouts at all corners connected by detached sidewalks and new street lighting to help mitigate traffic congestion and enhance safety.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Electric Bond	\$231,943	-	-	-	-	-	-	\$231,943
2010 Gas Bond	\$14,268	-	-	-	-	-	-	\$14,268
2010 Water Bond	\$70,837	-	-	-	-	-	-	\$70,837
2013 Street Bond	\$2,082,261	\$11,470,000	-	-	-	-	-	\$13,552,261
2014 Electric Bond	-	\$6,928,000	-	-	-	-	-	\$6,928,000
2014 Gas Bond	-	\$521,001	-	-	-	-	-	\$521,001
2014 Wastewater Bond	\$9,055	-	-	-	-	-	-	\$9,055
2014 Water Bond	-	\$2,403,031	-	-	-	-	-	\$2,403,031
Transportation	-	\$7,799,076	-	-	-	-	-	\$7,799,076
Utility Replacement Extension ar	-	\$151,957	-	-	-	-	-	\$151,957
O&M Environmental Compliance Fee	-	-	\$5,107	\$5,222	\$5,347	\$5,480	\$17,268	\$38,424
Local Streets Fund	-	-	\$45,237	\$46,259	\$47,364	\$48,535	\$152,941	\$340,336
<b>Sum:</b>	<b>\$2,408,363</b>	<b>\$29,273,065</b>	<b>\$50,344</b>	<b>\$51,481</b>	<b>\$52,711</b>	<b>\$54,015</b>	<b>\$170,209</b>	<b>\$32,060,188</b>

#### Pavement Rehabilitation Adobe Road; Higley to Recker (CN0062)

##### COUNCIL DISTRICT 5

Fund the City's cost share with Maricopa County for the pavement rehabilitation of Adobe Road from Higley to Recker.

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Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2013 Street Bond	\$38,858	\$30,000	-	-	-	-	-	\$68,858
<b>Sum:</b>	<b>\$38,858</b>	<b>\$30,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$68,858</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Streets

##### Pecos Road: Ellsworth to Meridian Rd (CN0072)

###### COUNCIL DISTRICT 6

Fund Mesa's cost share for Flood Control District of Maricopa County (FCDMC) project Pecos Road; Ellsworth to Meridian Rd.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Street Bond	-	-	\$10,000,000	-	-	-	-	\$10,000,000
<b>Sum:</b>	-	-	<b>\$10,000,000</b>	-	-	-	-	<b>\$10,000,000</b>

##### Pedestrian Connection West of Dobson Road (CP0281)

###### COUNCIL DISTRICT 3

Improve roadway and sidewalks to positively increase the pedestrian experience along the light rail. Improvements will also include a turnaround for public safety vehicles.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	-	\$220,000	-	-	-	-	-	\$220,000
O&M Local Streets Fund	-	-	\$4,093	\$4,185	\$4,285	\$4,392	\$13,839	\$30,794
<b>Sum:</b>	-	<b>\$220,000</b>	<b>\$4,093</b>	<b>\$4,185</b>	<b>\$4,285</b>	<b>\$4,392</b>	<b>\$13,839</b>	<b>\$250,794</b>

##### Power Road Improvements: East Maricopa Floodway to Loop 202 (CP0104)

###### COUNCIL DISTRICT 6

Improve the mobility and access in this area of Power Rd, completing any sections that have not been completed by adjacent development. This is a joint project with the Town of Gilbert and Maricopa County.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Street Bond	-	-	-	\$2,399,724	\$1,782,280	\$26,954,714	-	\$31,136,718
Water	-	-	-	-	-	\$2,881,988	-	\$2,881,988
O&M Environmental Compliance Fee	-	-	-	-	-	\$5,480	\$17,268	\$22,748
Local Streets Fund	-	-	-	-	-	\$48,535	\$152,941	\$201,476
<b>Sum:</b>	-	-	-	<b>\$2,399,724</b>	<b>\$1,782,280</b>	<b>\$29,890,717</b>	<b>\$170,209</b>	<b>\$34,242,930</b>

##### Railroad Quiet Zone (CP0426)

###### CITYWIDE

Install raised medians and other infrastructure as required by the Federal Railroad Administration to convert the Union Pacific Railroad route through Mesa into a quiet zone.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$517,656	\$64,601	-	-	-	-	-	\$582,257
<b>Sum:</b>	<b>\$517,656</b>	<b>\$64,601</b>	-	-	-	-	-	<b>\$582,257</b>

##### Rail Road ROW Improvements (CP0660)

###### CITYWIDE

Complete sidewalk improvements along the rail road tracks within the public right of way where either sidewalks are missing or are not ADA compliant.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$11,942	\$68,800	-	-	-	-	-	\$80,742
<b>Sum:</b>	<b>\$11,942</b>	<b>\$68,800</b>	-	-	-	-	-	<b>\$80,742</b>

##### Rio Salado Pathway-Public Art Project (CN0065)

###### COUNCIL DISTRICT 4

Create permanent artwork in the tunnel connecting Rio Salado Shared-Use Pathway with Riverview Park.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Local Streets Fund	\$23,000	\$27,000	-	-	-	-	-	\$50,000
<b>Sum:</b>	<b>\$23,000</b>	<b>\$27,000</b>	-	-	-	-	-	<b>\$50,000</b>



## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Streets

##### Signal Butte Road Improvements: Williams Field to Pecos (CP0729)

###### COUNCIL DISTRICT 6

Improve access along Signal Butte Road to coincide with State Route 24 advancement. Work will include constructing any roadway sections that have not been completed by adjacent development.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Street Bond	-	-	\$16,694,335	-	-	-	-	-	\$16,694,335
Local Streets Fund	\$18,287	\$1,025,803	-	-	-	-	-	-	\$1,044,090
O&M Environmental Compliance Fee	-	-	-	\$5,222	\$5,347	\$5,480	\$17,268		\$33,317
Local Streets Fund	-	-	-	\$46,259	\$47,364	\$48,535	\$152,941		\$295,099
<b>Sum:</b>	<b>\$18,287</b>	<b>\$1,025,803</b>	<b>\$16,694,335</b>	<b>\$51,481</b>	<b>\$52,711</b>	<b>\$54,015</b>	<b>\$170,209</b>		<b>\$18,066,841</b>

##### Southern Avenue and Stapley Drive Intersection (CP0800)

###### COUNCIL DISTRICT 4

Construct dual left turn lanes, and additional through lanes and existing gas and storm sewer infrastructure.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Gas Bond	\$77,404	\$2,696,305	-	-	-	-	-	-	\$2,773,709
2014 Gas Bond	-	\$425,304	-	-	-	-	-	-	\$425,304
2014 Water Bond	\$26,486	-	-	-	-	-	-	-	\$26,486
Grants - Gen. Gov.	\$4,821	\$12,380,923	-	-	-	-	-	-	\$12,385,744
Local Streets Fund	\$640,939	\$366,435	-	-	-	-	-	-	\$1,007,374
Transportation	\$182,477	\$2,602,032	-	-	-	-	-	-	\$2,784,509
O&M Environmental Compliance Fee	-	-	\$3,026	\$3,094	\$3,168	\$3,247	\$10,231		\$22,766
Local Streets Fund	-	-	\$5,333	\$5,454	\$5,584	\$5,722	\$18,032		\$40,125
<b>Sum:</b>	<b>\$932,126</b>	<b>\$18,470,999</b>	<b>\$8,359</b>	<b>\$8,548</b>	<b>\$8,752</b>	<b>\$8,969</b>	<b>\$28,263</b>		<b>\$19,466,016</b>

##### Southern Avenue & Country Club Drive Roadways (CP0844)

###### COUNCIL DISTRICT 4

Reconstruct two major arterials where pavement is failing. The two segments are Southern; Alma School to Center and Country Club; US 60 to 1st Ave.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Electric Bond	-	-	\$28,392	\$359,323	-	-	-	-	\$387,715
2020 Gas Bond	-	-	\$20,044	\$1,912,601	-	-	-	-	\$1,932,645
2020 Street Bond	-	-	\$672,683	\$10,122,038	-	-	-	-	\$10,794,721
2020 Wastewater Bond	-	-	-	\$617,107	-	-	-	-	\$617,107
2020 Water Bond	-	-	\$1,910,153	\$2,042,177	-	-	-	-	\$3,952,330
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$2,631,272</b>	<b>\$15,053,246</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$17,684,518</b>

##### Southern Avenue Improvements: Gilbert Road to Val Vista Dr (CP0061)

###### CITYWIDE

Improve Southern Avenue including intersection at Lindsay Road, right-of-way acquisition, pedestrian ramps, street light relocation, and pavement reconstruction.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Wastewater Bond	-	-	-	\$24,953	\$257,928	-	-	-	\$282,881
2020 Water Bond	-	-	-	\$155,290	\$1,605,917	-	-	-	\$1,761,207
Transportation	-	-	-	\$1,163,114	\$6,110,140	-	-	-	\$7,273,254
O&M Environmental Compliance Fee	-	-	-	-	-	\$3,498	\$11,023		\$14,521
Local Streets Fund	-	-	-	-	-	\$10,413	\$32,815		\$43,228
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,343,357</b>	<b>\$7,973,985</b>	<b>\$13,911</b>	<b>\$43,838</b>		<b>\$9,375,091</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Streets

#### Southern Avenue Improvements: Greenfield to Higley (CP0700)

##### COUNCIL DISTRICT 2

Improve Southern Avenue from Greenfield to Higley, including required pedestrian ramp upgrades, street light relocation, and right of way acquisitions. These improvements will help mitigate traffic delays and address safety needs.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Gas Bond	\$705	-	-	-	-	-	-	-	\$705
2013 Street Bond	\$581,716	\$490,000	-	-	-	-	-	-	\$1,071,716
Transportation	\$19,651	\$10,053,186	-	-	-	-	-	-	\$10,072,837
O&M Environmental Compliance Fee	-	-	\$3,260	\$3,333	\$3,413	\$3,498	\$11,023	-	\$24,527
Local Streets Fund	-	-	\$9,705	\$9,925	\$10,162	\$10,413	\$32,815	-	\$73,020
<b>Sum:</b>	<b>\$602,072</b>	<b>\$10,543,186</b>	<b>\$12,965</b>	<b>\$13,258</b>	<b>\$13,575</b>	<b>\$13,911</b>	<b>\$43,838</b>	-	<b>\$11,242,805</b>

#### Stapley Drive and University Drive Intersection (C05041)

##### COUNCIL DISTRICT 4

Construct an additional left turn lane and right turn lane in all directions to reduce traffic congestion at this intersection. This project has been identified as a Regional Transportation Plan project.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Gas Bond	-	-	-	-	\$20,264	\$502,020	-	-	\$522,284
2020 Street Bond	-	-	-	-	\$766,753	\$71,364	\$5,381,085	-	\$6,219,202
2020 Water Bond	-	-	-	-	\$97,434	\$1,008,689	-	-	\$1,106,123
O&M Environmental Compliance Fee	-	-	-	-	-	-	\$10,231	-	\$10,231
Local Streets Fund	-	-	-	-	-	-	\$18,032	-	\$18,032
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$884,451</b>	<b>\$1,582,073</b>	<b>\$5,409,348</b>	<b>-</b>	<b>\$7,875,872</b>

#### Street Improvement Cityshare (CN0003)

##### CITYWIDE

Fund the City's participation in the cost share of widening of streets and the installation of new street lights that are built in conjunction with development projects.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2013 Street Bond	\$728,863	\$1,225,000	-	-	-	-	-	-	\$1,953,863
2020 Street Bond	-	-	\$389,014	\$387,674	\$386,766	\$386,142	\$386,031	-	\$1,935,627
<b>Sum:</b>	<b>\$728,863</b>	<b>\$1,225,000</b>	<b>\$389,014</b>	<b>\$387,674</b>	<b>\$386,766</b>	<b>\$386,142</b>	<b>\$386,031</b>	<b>-</b>	<b>\$3,889,490</b>

#### Streetlight Spot Improvement (CP0294)

##### CITYWIDE

Install streetlights in various locations citywide. To fulfill requests from residents and the Police Department for additional street lights and new street lights in areas where there are no street lights as funds allow.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2013 Street Bond	\$1,094,366	-	-	-	-	-	-	-	\$1,094,366
Local Streets Fund	-	\$705,600	\$361,020	\$369,180	\$378,004	\$387,339	\$397,102	-	\$2,598,245
<b>Sum:</b>	<b>\$1,094,366</b>	<b>\$705,600</b>	<b>\$361,020</b>	<b>\$369,180</b>	<b>\$378,004</b>	<b>\$387,339</b>	<b>\$397,102</b>	<b>-</b>	<b>\$3,692,611</b>

#### Transportation Neighborhood Improvement Projects (CP0532)

##### CITYWIDE

Install ADA Ramps and missing sidewalks citywide to improve accessibility.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Local Streets Fund	\$425,250	\$913,740	\$443,754	\$453,785	\$464,629	\$476,104	\$1,500,273	-	\$4,677,535
O&M Environmental Compliance Fee	-	\$300	\$307	\$314	\$321	\$329	\$1,038	-	\$2,609
Highway User Revenue Fund	-	-	-	-	-	-	-	-	-
Local Streets Fund	-	\$500	\$511	\$523	\$536	\$549	\$1,730	-	\$4,349
<b>Sum:</b>	<b>\$425,250</b>	<b>\$914,540</b>	<b>\$444,572</b>	<b>\$454,622</b>	<b>\$465,486</b>	<b>\$476,982</b>	<b>\$1,503,041</b>	<b>-</b>	<b>\$4,684,493</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Streets

#### UPRR Crossing Improvements: Dobson and Alma School (CP0184)

##### COUNCIL DISTRICT 3

Construct improvements to the Union Pacific Railroad crossings at Dobson and Alma School Roads. There will be improvements to both the railroad segments and surrounding median and sidewalks.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Grants - Gen. Gov.	\$134,378	\$74,214	-	-	-	-	-	\$208,592
Local Streets Fund	\$34,621	\$20,181	-	-	-	-	-	\$54,802
<b>Sum:</b>	<b>\$168,999</b>	<b>\$94,395</b>	-	-	-	-	-	<b>\$263,394</b>

#### Val Vista Drive: Baseline Road to US 60 (CP0105)

##### COUNCIL DISTRICT 2

Construct roadway and safety improvements to include bicycle lanes, sidewalks and ADA compliant ramps. The existing traffic signals will be replaced.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Gas Bond	\$15,379	-	-	-	-	-	-	\$15,379
2013 Street Bond	\$260,894	\$780,000	-	-	-	-	-	\$1,040,894
Transportation	\$25,835	\$694,392	-	-	-	-	-	\$720,227
O&M Local Streets Fund	-	\$4,076	\$4,170	\$4,265	\$4,368	\$4,474	\$14,101	\$35,454
<b>Sum:</b>	<b>\$302,108</b>	<b>\$1,478,468</b>	<b>\$4,170</b>	<b>\$4,265</b>	<b>\$4,368</b>	<b>\$4,474</b>	<b>\$14,101</b>	<b>\$1,811,954</b>

#### Val Vista Drive: Pueblo to US 60 (CP0062)

##### COUNCIL DISTRICT 2

Improve Val Vista Drive between Pueblo and US 60. Construction work will mitigate traffic delays and congestion and enhance safety.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Gas Bond	-	-	-	-	\$130,629	\$2,234,047	-	\$2,364,676
2020 Water Bond	-	-	-	-	\$186,748	\$1,951,864	-	\$2,138,612
Transportation	-	-	-	-	\$1,950,516	\$6,179,093	-	\$8,129,609
O&M Environmental Compliance Fee	-	-	-	-	-	-	\$17,268	\$17,268
Local Streets Fund	-	-	-	-	-	-	\$152,941	\$152,941
<b>Sum:</b>	-	-	-	-	<b>\$2,267,893</b>	<b>\$10,365,004</b>	<b>\$170,209</b>	<b>\$12,803,106</b>

### Transit

#### Bus Stop Shelters (CP0809)

##### CITYWIDE

Install patron shelters at bus stops that do not have a shelter. This would include obtaining right of way at certain locations.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Street Bond	-	-	\$268,616	\$274,688	\$281,253	\$288,199	-	\$1,112,756
<b>Sum:</b>	-	-	<b>\$268,616</b>	<b>\$274,688</b>	<b>\$281,253</b>	<b>\$288,199</b>	-	<b>\$1,112,756</b>

#### Gilbert Light Rail Extension Concurrent Non-Project Activities (CNPAs) (CP0562)

##### COUNCIL DISTRICT 4

Replace existing utility infrastructure to accommodate the installation light rail system extension to Gilbert Road.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	\$527,753	-	-	-	-	-	-	\$527,753
2014 Wastewater Bond	\$1,861,694	-	-	-	-	-	-	\$1,861,694
Utility Replacement Extension ar	\$1,368	\$61,825	-	-	-	-	-	\$63,193
<b>Sum:</b>	<b>\$2,390,815</b>	<b>\$61,825</b>	-	-	-	-	-	<b>\$2,452,640</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

**Transit****Gilbert Road Light Rail Extension (CP0296)****COUNCIL DISTRICT 4**

Construct approximately two miles of double track alignment extending along Main Street from Edgemont to a new end of line station at Gilbert Road.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	Transit Fund	\$20,352,704	\$16,268,448	-	-	-	-	-	\$36,621,152
O&M	Environmental Compliance Fee	-	\$25,000	\$25,583	\$26,161	\$26,786	\$27,448	\$56,973	\$187,951
<b>Sum:</b>		<b>\$20,352,704</b>	<b>\$16,293,448</b>	<b>\$25,583</b>	<b>\$26,161</b>	<b>\$26,786</b>	<b>\$27,448</b>	<b>\$56,973</b>	<b>\$36,809,103</b>

**Wastewater Contractual Obligations****91st Avenue Wastewater Treatment Plant (CN0027)****CITYWIDE**

Fund the City of Mesa's portion of operational and facility upgrades to the 91st Avenue Plant. Mesa is a member of the Sub-Regional Operating Group (SROG). Per an Intergovernmental Agreement with SROG, Mesa shares in the cost of improvements.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2006 Wastewater Bond	\$146,367	-	-	-	-	-	-	\$146,367
	2010 Wastewater Bond	\$3,642,796	\$648,994	-	-	-	-	-	\$4,291,790
	2014 Wastewater Bond	\$10,259,308	\$11,644,753	\$4,802,518	-	-	-	-	\$26,706,579
	2020 Wastewater Bond	-	-	\$1,972,708	\$5,130,558	\$6,994,017	\$5,873,765	\$6,021,800	\$25,992,848
<b>Sum:</b>		<b>\$14,048,471</b>	<b>\$12,293,747</b>	<b>\$6,775,226</b>	<b>\$5,130,558</b>	<b>\$6,994,017</b>	<b>\$5,873,765</b>	<b>\$6,021,800</b>	<b>\$57,137,584</b>

**Wastewater Main Oversize & Extensions City Share (CN0063)****CITYWIDE**

Fund reimbursements to developers for construction of new wastewater extensions and oversized mains to meet the City's need and provide service to new development.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2010 Wastewater Bond	-	\$363,000	-	-	-	-	-	\$363,000
	2020 Wastewater Bond	-	-	\$165,775	\$169,522	\$173,573	\$177,860	-	\$686,730
<b>Sum:</b>		<b>-</b>	<b>\$363,000</b>	<b>\$165,775</b>	<b>\$169,522</b>	<b>\$173,573</b>	<b>\$177,860</b>	<b>\$560,461</b>	<b>\$1,049,730</b>

**Wastewater Customer Demand - Citywide****New Lift Stations (CP0617)****COUNCIL DISTRICT 2**

Construct new wastewater lift stations to serve projected growth in currently undeveloped areas that can not be totally served by a gravity sewer system.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Wastewater Bond	-	-	\$78,865	\$927,816	-	-	-	\$1,006,681
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>\$78,865</b>	<b>\$927,816</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,006,681</b>

**New Sewer Lines - Other Areas (CP0619)****COUNCIL DISTRICT 6**

Construct new sewer lines in undeveloped areas other than southeast Mesa to serve projected growth and areas currently served by on-site septic systems.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Wastewater Bond	-	-	\$706,606	-	-	-	-	\$706,606
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>\$706,606</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$706,606</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Wastewater Customer Demand - Citywide**

**Sewer Line Extensions to Unsewered Areas (CP0624)**

**CITYWIDE**

Install trunk and lateral sewers to serve residential areas currently served by failing on-site septic systems.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$3,423,362	-	-	-	-	-	-	\$3,423,362
2020 Wastewater Bond	-	-	\$587,266	\$2,467,561	\$1,986,114	\$2,090,221	-	\$7,131,162
<b>Sum:</b>	<b>\$3,423,362</b>	<b>-</b>	<b>\$587,266</b>	<b>\$2,467,561</b>	<b>\$1,986,114</b>	<b>\$2,090,221</b>	<b>-</b>	<b>\$10,554,524</b>

**Wastewater Customer Demand - Southeast Mesa**

**Greenfield Water Reclamation Plant Equipment (CP0898)**

**CITYWIDE**

Replace minor equipment that has reached the end of its useful life at the Greenfield Water Reclamation Plant.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Greenfield WRP Joint Venture	-	-	\$837,162	\$1,943,602	\$1,915,350	\$898,192	\$2,830,332	\$8,424,638
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$837,162</b>	<b>\$1,943,602</b>	<b>\$1,915,350</b>	<b>\$898,192</b>	<b>\$2,830,332</b>	<b>\$8,424,638</b>

**Greenfield Water Reclamation Plant Equipment - Mesa Share (CN0068)**

**CITYWIDE**

Replace minor equipment that has reached the end of its useful life at the Greenfield Water Reclamation Plant.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Wastewater Bond	-	-	\$504,809	\$1,171,992	\$1,154,957	\$541,611	-	\$3,373,369
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$504,809</b>	<b>\$1,171,992</b>	<b>\$1,154,957</b>	<b>\$541,611</b>	<b>-</b>	<b>\$3,373,369</b>

**Greenfield Water Reclamation Plant Expansion (CP0067)**

**CITYWIDE**

Construct additional treatment capacity to meet the increasing wastewater flows to the Greenfield Water Reclamation Plant. The towns of Gilbert and Queen Creek are sharing in the cost of the plant expansion.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Greenfield WRP Joint Venture	\$120,912,549	\$79,319,838	\$2,992,011	-	-	-	-	\$203,224,398
O&M Greenfield WRP Joint Venture	-	\$355,532	\$1,470,144	\$1,503,924	\$1,540,056	\$1,578,156	\$4,973,654	\$11,421,466
<b>Sum:</b>	<b>\$120,912,549</b>	<b>\$79,675,370</b>	<b>\$4,462,155</b>	<b>\$1,503,924</b>	<b>\$1,540,056</b>	<b>\$1,578,156</b>	<b>\$4,973,654</b>	<b>\$214,645,864</b>

**Greenfield Water Reclamation Plant Expansion - Mesa Share (CN0015)**

**CITYWIDE**

Construct additional treatment capacity to meet the increasing wastewater flows to the Greenfield Water Reclamation Plant. The towns of Gilbert and Queen Creek will share in the cost of the plant expansion.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$60,896,373	\$61,903,471	\$1,804,182	-	-	-	-	\$124,604,026
O&M Wastewater	-	\$84,000	\$515,743	\$527,401	\$540,006	\$553,342	\$1,743,658	\$3,964,150
<b>Sum:</b>	<b>\$60,896,373</b>	<b>\$61,987,471</b>	<b>\$2,319,925</b>	<b>\$527,401</b>	<b>\$540,006</b>	<b>\$553,342</b>	<b>\$1,743,658</b>	<b>\$128,568,176</b>

**Greenfield Water Reclamation Plant Improvement (CP0897)**

**CITYWIDE**

Modify and/or rehabilitate existing systems, install new or upgraded systems and replace major equipment that has reached its useful life.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Greenfield WRP Joint Venture	-	-	-	\$3,150,277	\$4,260,645	\$2,195,976	\$6,919,833	\$16,526,731
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,150,277</b>	<b>\$4,260,645</b>	<b>\$2,195,976</b>	<b>\$6,919,833</b>	<b>\$16,526,731</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Wastewater Customer Demand - Southeast Mesa****Greenfield Water Reclamation Plant Improvement - Mesa Share (CN0067)****CITYWIDE**

Modify and/or rehabilitate existing systems, install new or upgraded systems and replace major equipment that has reached its useful life.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Wastewater Bond	-	-	-	\$1,899,618	\$2,569,170	\$1,324,174	-	-	\$5,792,962
<b>Sum:</b>	-	-	-	<b>\$1,899,618</b>	<b>\$2,569,170</b>	<b>\$1,324,174</b>	-	-	<b>\$5,792,962</b>

**New Sewer Lines - Phx Mesa Gateway Development Plan (CP0620)****COUNCIL DISTRICT 6**

Construct new sewer lines to serve development in the Phoenix Mesa Gateway Airport Northeast Development Area.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Wastewater Bond	-	-	-	-	-	-	-	-	-
2020 Wastewater Bond	-	-	\$445,853	\$2,421,621	\$60,172	\$346,874	-	-	\$3,274,520
2020 Water Bond	-	-	\$713,385	\$5,266,062	-	-	-	-	\$5,979,447
<b>Sum:</b>	-	-	<b>\$1,159,238</b>	<b>\$7,687,683</b>	<b>\$60,172</b>	<b>\$346,874</b>	-	-	<b>\$9,253,967</b>

**New Sewer Lines - Southeast Mesa (CP0618)****COUNCIL DISTRICT 6**

Construct new sewer lines in the area bounded by Elliot, Power, Germann, and Meridian Roads to serve development in southeast Mesa.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Wastewater Bond	-	-	\$354,026	\$3,532,341	\$5,881,681	\$580,666	-	-	\$10,348,714
<b>Sum:</b>	-	-	<b>\$354,026</b>	<b>\$3,532,341</b>	<b>\$5,881,681</b>	<b>\$580,666</b>	-	-	<b>\$10,348,714</b>

**Wastewater Improvements in Southeast Mesa (CP0805)****COUNCIL DISTRICT 6**

Provide necessary wastewater infrastructure improvements to handle project flows in Southeast Mesa and to maintain service reliability in the area.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	-	\$212,644	\$2,159,864	-	-	-	-	-	\$2,372,508
<b>Sum:</b>	-	<b>\$212,644</b>	<b>\$2,159,864</b>	-	-	-	-	-	<b>\$2,372,508</b>

**Williams Field Road Sewer: Ellsworth to Mountain (C10425)****COUNCIL DISTRICT 6**

Install sewer line along State Route 24 and Williams Field Road from Mountain to Ellsworth to serve future development.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	-	-	-	-	-	-	-	-	-
2020 Wastewater Bond	-	-	\$158,985	\$1,210,741	-	-	-	-	\$1,369,726
<b>Sum:</b>	-	-	<b>\$158,985</b>	<b>\$1,210,741</b>	-	-	-	-	<b>\$1,369,726</b>

**Wastewater Lifecycle****Diversion Structure Rehabilitation (CP0598)****CITYWIDE**

Rehabilitate wastewater diversion structures that have deteriorated due to age and corrosion to extend the life and operability of the structures. Work will include repair and recoating of deteriorated concrete and control gates.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	-	\$119,880	-	-	-	-	-	-	\$119,880
2020 Wastewater Bond	-	-	\$130,409	\$133,356	\$136,544	\$139,916	-	-	\$540,225
<b>Sum:</b>	-	<b>\$119,880</b>	<b>\$130,409</b>	<b>\$133,356</b>	<b>\$136,544</b>	<b>\$139,916</b>	-	-	<b>\$660,105</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Wastewater Lifecycle****Greenfield Water Reclamation Plant Headworks/Solids Upgrade (CP0263)****CITYWIDE**

Replace the bus duct systems at both the solids and headworks buildings with conduit and wire systems to eliminate the possibility of future failures due to water intrusion.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	Capital Programs	\$188,324	-	-	-	-	-	-	\$188,324
	Greenfield WRP Joint Venture	-	\$600,000	-	-	-	-	-	\$600,000
<b>Sum:</b>		<b>\$188,324</b>	<b>\$600,000</b>	-	-	-	-	-	<b>\$788,324</b>

**Greenfield Water Reclamation Plant Headworks/Solids Upgrade - CP0263 Mesa Share (CN0014)****COUNCIL DISTRICT 2**

Replace the bus duct systems at both the solids and headworks buildings with conduit and wire systems to eliminate the possibility of future failures due to water intrusion.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	2014 Wastewater Bond	\$46,055	\$361,800	-	-	-	-	-	\$407,855
<b>Sum:</b>		<b>\$46,055</b>	<b>\$361,800</b>	-	-	-	-	-	<b>\$407,855</b>

**Greenfield Water Reclamation Plant Major Plant Improvements (CP0625)****CITYWIDE**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	Greenfield WRP Joint Venture	-	-	-	\$2,531,523	\$7,949,656	\$4,387,208	\$13,824,722	\$28,693,109
<b>Sum:</b>		-	-	-	<b>\$2,531,523</b>	<b>\$7,949,656</b>	<b>\$4,387,208</b>	<b>\$13,824,722</b>	<b>\$28,693,109</b>

**Greenfield Water Reclamation Plant Major Plant Improvements - CP0625 Mesa Share (CN0035)****COUNCIL DISTRICT 2**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	2020 Wastewater Bond	-	-	-	\$1,526,509	\$4,793,643	\$2,645,487	-	\$8,965,639
<b>Sum:</b>		-	-	-	<b>\$1,526,509</b>	<b>\$4,793,643</b>	<b>\$2,645,487</b>	-	<b>\$8,965,639</b>

**Greenfield Water Reclamation Plant Miscellaneous Plant Improvements (CP0626)****CITYWIDE**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Greenfield Water Reclamation Plant. This work will improve plant operations and reliability.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	Capital Programs	\$2,864,157	-	-	-	-	-	-	\$2,864,157
	Greenfield WRP Joint Venture	-	\$400,001	-	-	-	-	-	\$400,001
<b>Sum:</b>		<b>\$2,864,157</b>	<b>\$400,001</b>	-	-	-	-	-	<b>\$3,264,158</b>

**Greenfield Water Reclamation Plant Miscellaneous Plant Improvements - CP0626 Mesa Share (CN0036)****COUNCIL DISTRICT 2**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Greenfield Water Reclamation Plant. Improve plant operations and reliability.

		Estimated Exp					Future Years		
Fund		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	Totals
Capital	2014 Wastewater Bond	\$1,146,772	\$167,200	-	-	-	-	-	\$1,313,972
<b>Sum:</b>		<b>\$1,146,772</b>	<b>\$167,200</b>	-	-	-	-	-	<b>\$1,313,972</b>



## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Wastewater Lifecycle

#### Greenfield Water Reclamation Plant Plant Rehabilitation and Equipment - CP0797 Mesa Share (CN0057)

##### CITYWIDE

Fund Mesa's cost share to rebuild/replace equipment to minimize system downtime and ensure efficient operation at the plant.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Wastewater Bond	\$9,063	\$124,736	-	-	-	-	-	\$133,799
<b>Sum:</b>	<b>\$9,063</b>	<b>\$124,736</b>	-	-	-	-	-	<b>\$133,799</b>

#### Greenfield Water Reclamation Plant Plant Rehabilitation and Equipment Replacement (CP0797)

##### CITYWIDE

Rebuild/Replace equipment to minimize system downtime and ensure efficient operation at the plant.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital Capital Programs	\$25,706	-	-	-	-	-	-	\$25,706
Greenfield WRP Joint Venture	-	\$294,599	-	-	-	-	-	\$294,599
<b>Sum:</b>	<b>\$25,706</b>	<b>\$294,599</b>	-	-	-	-	-	<b>\$320,305</b>

#### Lift Station Rehabilitation (CP0599)

##### CITYWIDE

Replace existing equipment that is no longer functional or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$77,679	-	-	-	-	-	-	\$77,679
2020 Wastewater Bond	-	-	\$349,233	\$3,114,677	\$1,430,244	\$1,056,487	-	\$5,950,641
<b>Sum:</b>	<b>\$77,679</b>	-	<b>\$349,233</b>	<b>\$3,114,677</b>	<b>\$1,430,244</b>	<b>\$1,056,487</b>	-	<b>\$6,028,320</b>

#### Manhole Rehabilitation (CP0600)

##### CITYWIDE

Rehabilitate manholes that have deteriorated due to the corrosive environment of the wastewater system. Rehabbing the manholes will extend their useful life and prevent structural failures.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Wastewater Bond	\$145,944	-	-	-	-	-	-	\$145,944
Utility Replacement Extension ar	\$1,112,897	\$1,512,024	\$1,520,729	\$1,555,102	\$1,592,269	\$1,631,591	\$5,141,378	\$14,065,990
<b>Sum:</b>	<b>\$1,258,841</b>	<b>\$1,512,024</b>	<b>\$1,520,729</b>	<b>\$1,555,102</b>	<b>\$1,592,269</b>	<b>\$1,631,591</b>	<b>\$5,141,378</b>	<b>\$14,211,934</b>

#### Metering Station Rehabilitation (CP0616)

##### CITYWIDE

Rehabilitate deteriorated structures and replace equipment that is no longer functional or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	-	\$22,086	-	-	-	-	-	\$22,086
2020 Wastewater Bond	-	-	\$29,840	\$30,514	\$31,243	\$32,015	-	\$123,612
<b>Sum:</b>	-	<b>\$22,086</b>	<b>\$29,840</b>	<b>\$30,514</b>	<b>\$31,243</b>	<b>\$32,015</b>	-	<b>\$145,698</b>

#### Miscellaneous Wastewater Projects (CP0899)

##### CITYWIDE

Odor control improvement program, including other miscellaneous wastewater system projects.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Wastewater Bond	-	-	\$663,098	\$1,695,217	-	-	-	\$2,358,315
<b>Sum:</b>	-	-	<b>\$663,098</b>	<b>\$1,695,217</b>	-	-	-	<b>\$2,358,315</b>



## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Wastewater Lifecycle

#### Northwest Water Reclamation Plant Aeration System Improvements (C10478)

##### COUNCIL DISTRICT 1

Modify and upgrade blower control system to allow more accurate air flow to the aeration basins based on process needs and to ensure compliance with permit requirements.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	\$3,344,248	\$570,729	-	-	-	-	-	-	\$3,914,977
2014 Wastewater Bond	\$483,142	-	-	-	-	-	-	-	\$483,142
<b>Sum:</b>	<b>\$3,827,391</b>	<b>\$570,729</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,398,120</b>

#### Northwest Water Reclamation Plant Equipment Replacement (CP0811)

##### COUNCIL DISTRICT 1

Replace process equipment at the Northwest Water Reclamation Plant that has reached the end of its useful life.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	\$5,258	-	-	-	-	-	-	-	\$5,258
2020 Wastewater Bond	-	-	\$596,789	\$610,278	\$624,864	\$640,295	-	-	\$2,472,226
Utility Replacement Extension ar	-	\$545,400	-	-	-	-	-	-	\$545,400
<b>Sum:</b>	<b>\$5,258</b>	<b>\$545,400</b>	<b>\$596,789</b>	<b>\$610,278</b>	<b>\$624,864</b>	<b>\$640,295</b>	<b>-</b>	<b>-</b>	<b>\$3,022,884</b>

#### Northwest Water Reclamation Plant Major Plant Improvements (CP0627)

##### COUNCIL DISTRICT 1

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Wastewater Bond	\$280,191	-	-	-	-	-	-	-	\$280,191
2020 Wastewater Bond	-	-	\$994,648	\$6,993,334	\$7,521,509	\$5,838,545	-	-	\$21,348,036
<b>Sum:</b>	<b>\$280,191</b>	<b>-</b>	<b>\$994,648</b>	<b>\$6,993,334</b>	<b>\$7,521,509</b>	<b>\$5,838,545</b>	<b>-</b>	<b>-</b>	<b>\$21,628,227</b>

#### Northwest Water Reclamation Plant Miscellaneous Plant Improvements (CP0628)

##### COUNCIL DISTRICT 1

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Northwest Water Reclamation Plant. This work will improve plant operations and reliability.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Wastewater Bond	\$4,494	\$707,661	-	-	-	-	-	-	\$712,155
2014 Wastewater Bond	\$465,274	-	-	-	-	-	-	-	\$465,274
2020 Wastewater Bond	-	-	\$923,033	\$1,846,634	\$5,224,556	\$4,080,104	-	-	\$12,074,327
<b>Sum:</b>	<b>\$469,768</b>	<b>\$707,661</b>	<b>\$923,033</b>	<b>\$1,846,634</b>	<b>\$5,224,556</b>	<b>\$4,080,104</b>	<b>-</b>	<b>-</b>	<b>\$13,251,756</b>

#### Odor Control Station Rehabilitation (CP0621)

##### CITYWIDE

Replace existing equipment that no longer functions and/or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Wastewater Bond	\$7,484	\$81,675	-	-	-	-	-	-	\$89,159
2020 Wastewater Bond	-	-	\$205,009	\$1,818,403	\$2,337,454	\$59,881	-	-	\$4,420,747
<b>Sum:</b>	<b>\$7,484</b>	<b>\$81,675</b>	<b>\$205,009</b>	<b>\$1,818,403</b>	<b>\$2,337,454</b>	<b>\$59,881</b>	<b>-</b>	<b>-</b>	<b>\$4,509,906</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Wastewater Lifecycle

##### Sewer Line Condition Assessment (CP0622)

###### CITYWIDE

Closed-circuit television (CCTV) inspection and evaluation to determine condition of sewer lines and what rehabilitation is needed.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$973,630	\$432,000	-	-	-	-	-	\$1,405,630
2020 Wastewater Bond	-	-	\$443,723	\$453,753	\$464,598	\$476,072	-	\$1,838,146
<b>Sum:</b>	<b>\$973,630</b>	<b>\$432,000</b>	<b>\$443,723</b>	<b>\$453,753</b>	<b>\$464,598</b>	<b>\$476,072</b>	-	<b>\$3,243,776</b>

##### Sewer Line Rehabilitation (CP0383)

###### CITYWIDE

Rehabilitate and/or replace defective pipe in the wastewater collection system identified through the wastewater Asset Management Program, to maintain a high level of service.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$5,361,224	\$471,432	-	-	-	-	-	\$5,832,656
<b>Sum:</b>	<b>\$5,361,224</b>	<b>\$471,432</b>	-	-	-	-	-	<b>\$5,832,656</b>

##### Sewer Line Rehabilitation (CP0623)

###### CITYWIDE

Rehabilitate and/or replace defective pipe in the wastewater collection system to prevent catastrophic failures and maintain a high level of service. These defective lines were identified through the wastewater asset management program.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Wastewater Bond	\$338,049	\$697,714	-	-	-	-	-	\$1,035,763
2020 Wastewater Bond	-	-	\$4,675,647	\$17,295,122	\$4,269,902	\$2,400,243	-	\$28,640,914
Utility Replacement Extension ar	-	\$77,581	-	-	-	-	-	\$77,581
Wastewater	\$15,266	\$9,948	-	-	-	-	-	\$25,214
<b>Sum:</b>	<b>\$353,315</b>	<b>\$785,243</b>	<b>\$4,675,647</b>	<b>\$17,295,122</b>	<b>\$4,269,902</b>	<b>\$2,400,243</b>	-	<b>\$29,779,472</b>

##### Southeast Water Reclamation Plant Equipment Replacement (CP0631)

###### COUNCIL DISTRICT 6

Replace existing equipment at Southeast Water Reclamation Plant on an as needed basis. ☒

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Wastewater Bond	-	-	\$418,581	\$678,934	\$438,273	\$449,096	-	\$1,984,884
Utility Replacement Extension ar	\$5,812	\$164,317	-	-	-	-	-	\$170,129
<b>Sum:</b>	<b>\$5,812</b>	<b>\$164,317</b>	<b>\$418,581</b>	<b>\$678,934</b>	<b>\$438,273</b>	<b>\$449,096</b>	-	<b>\$2,155,013</b>

##### Southeast Water Reclamation Plant Major Plant Improvements (CP0629)

###### COUNCIL DISTRICT 6

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Wastewater Bond	-	-	-	\$1,130,144	\$5,843,634	-	-	\$6,973,778
<b>Sum:</b>	-	-	-	<b>\$1,130,144</b>	<b>\$5,843,634</b>	-	-	<b>\$6,973,778</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Wastewater Lifecycle

#### Southeast Water Reclamation Plant Miscellaneous Plant Improvements (CP0630)

##### COUNCIL DISTRICT 6

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Southeast Water Reclamation Plant. This work will improve plant operations and reliability.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2010 Wastewater Bond	\$62,763	-	-	-	-	-	-	-	\$62,763
2014 Wastewater Bond	\$902,826	-	-	-	-	-	-	-	\$902,826
2020 Wastewater Bond	-	-	\$2,553,804	\$2,323,315	\$1,155,998	\$1,184,546	-	-	\$7,217,663
Utility Replacement Extension ar	\$198,454	-	-	-	-	-	-	-	\$198,454
<b>Sum:</b>	<b>\$1,164,043</b>	<b>-</b>	<b>\$2,553,804</b>	<b>\$2,323,315</b>	<b>\$1,155,998</b>	<b>\$1,184,546</b>	<b>-</b>	<b>-</b>	<b>\$8,381,706</b>

#### Southeast Water Reclamation Plant Standby Generator Radiator Replacement (CP0632)

##### COUNCIL DISTRICT 1

Replacement of the Cooling System at the Southeast Water Reclamation Plant. ☞

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital Utility Replacement Extension ar	\$32,016	\$518,068	-	-	-	-	-	-	\$550,084
<b>Sum:</b>	<b>\$32,016</b>	<b>\$518,068</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$550,084</b>

### Water Contractual Obligations

#### Val Vista Water Treatment Plant - Mesa Share (CN0010)

##### CITYWIDE

Fund the City's portion of the capital infrastructure cost of the Val Vista Water Treatment Plant.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2014 Water Bond	\$7,701,617	\$10,548,049	\$9,129,265	-	-	-	-	-	\$27,378,931
2020 Water Bond	-	-	-	\$6,591,082	\$3,784,945	\$6,587,400	\$6,753,420	-	\$23,716,847
<b>Sum:</b>	<b>\$7,701,617</b>	<b>\$10,548,049</b>	<b>\$9,129,265</b>	<b>\$6,591,082</b>	<b>\$3,784,945</b>	<b>\$6,587,400</b>	<b>\$6,753,420</b>	<b>-</b>	<b>\$51,095,778</b>

#### White Mountain Apache Water Settlement Water Rights (CN0028)

##### CITYWIDE

Lease Central Arizona Project (CAP) canal water rights from the White Mountain Apache Tribe for 100 years. Long-term leasing of the water rights will help ensure the City's water supply.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2014 Water Bond	-	\$3,700,000	\$3,786,210	-	-	-	-	-	\$7,486,210
<b>Sum:</b>	<b>-</b>	<b>\$3,700,000</b>	<b>\$3,786,210</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$7,486,210</b>

### Water Customer Demand - Citywide

#### Desert Wells Zone Well #1 - Warner and Ellsworth (CP0829)

##### COUNCIL DISTRICT 6

Drill and equip a new groundwater well near Warner and Ellsworth to provide water during CAP canal dryups.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Water Bond	-	-	-	-	-	\$180,385	\$3,784,685	-	\$3,965,070
O&M Water	-	-	-	-	-	-	\$61,547	-	\$61,547
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$180,385</b>	<b>\$3,846,232</b>	<b>-</b>	<b>\$4,026,617</b>

#### Desert Wells Zone Well #2 - Warner and Ellsworth (CP0828)

##### COUNCIL DISTRICT 6

Drill and equip a new groundwater well near Warner and Ellsworth to provide water during CAP canal dryups.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Water Bond	-	-	-	-	-	\$180,385	\$3,784,685	-	\$3,965,070
O&M Water	-	-	-	-	-	-	\$61,547	-	\$61,547
<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$180,385</b>	<b>\$3,846,232</b>	<b>-</b>	<b>\$4,026,617</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Water Customer Demand - Citywide****Desert Wells Zone Well: Crismon and Pecos (CP0833)****COUNCIL DISTRICT 6**

Acquire land to drill and equip a new groundwater well in Southeast Mesa near Crismon and Pecos to provide water during CAP dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	\$271,175	-	-	-	-	\$271,175
<b>Sum:</b>		-	-	<b>\$271,175</b>	-	-	-	-	<b>\$271,175</b>

**Desert Wells Zone Well: Crismon and State Route 24 (CP0834)****COUNCIL DISTRICT 6**

Acquire Land to drill and equip a new groundwater well in Southeast Mesa near Crismon and State Route 24 to provide water during CAP dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	-	-	\$283,932	-	-	\$283,932
<b>Sum:</b>		-	-	-	-	<b>\$283,932</b>	-	-	<b>\$283,932</b>

**Desert Wells Zone Well; Crismon and Williams Field (CP0835)****COUNCIL DISTRICT 6**

Acquire Land to drill and equip a new groundwater well in Southeast Mesa near Crismon and Williams Field to provide water during CAP dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	-	-	-	\$290,944	-	\$290,944
<b>Sum:</b>		-	-	-	-	-	<b>\$290,944</b>	-	<b>\$290,944</b>

**Desert Wells Zone Well: Ellsworth and Pecos (CP0832)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Ellsworth and Pecos to provide water during CAP dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	\$439,303	\$1,947,783	\$1,569,574	-	-	\$3,956,660
O&M	Water	-	-	-	-	-	\$57,231	\$180,344	\$237,575
<b>Sum:</b>		-	-	<b>\$439,303</b>	<b>\$1,947,783</b>	<b>\$1,569,574</b>	<b>\$57,231</b>	<b>\$180,344</b>	<b>\$4,194,235</b>

**Desert Wells Zone Well: Germann and Crismon (CP0831)****COUNCIL DISTRICT 6**

Acquire land to drill and equip a new groundwater well in southeast Mesa near Germann and Crismon to provide water during CAP canal dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	\$271,175	-	-	-	-	\$271,175
<b>Sum:</b>		-	-	<b>\$271,175</b>	-	-	-	-	<b>\$271,175</b>

**Desert Wells Zone Well: Signal Butte and Pecos (CP0836)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Signal Butte and Pecos to provide water during CAP dryups.

Fund		Estimated Exp					Future Years		Totals
		Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital	2020 Water Bond	-	-	\$439,303	\$1,947,783	\$1,569,574	-	-	\$3,956,660
O&M	Water	-	-	-	-	-	\$57,231	\$180,344	\$237,575
<b>Sum:</b>		-	-	<b>\$439,303</b>	<b>\$1,947,783</b>	<b>\$1,569,574</b>	<b>\$57,231</b>	<b>\$180,344</b>	<b>\$4,194,235</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### **Water Customer Demand - Citywide**

##### **Reclaimed Water Line - Northwest Water Reclamation Plant to Southeast Water Reclamation Plant (CP0896)**

###### **CITYWIDE**

Construct a reclaimed water line from Northwest Water Reclamation Plant to Southeast Water Reclamation Plant.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Water Bond	-	\$1,823,400	\$4,881,735	-	-	-	-	-	\$6,705,135
2020 Water Bond	-	-	-	\$28,788,134	\$29,476,179	-	-	-	\$58,264,313
<b>Sum:</b>	-	<b>\$1,823,400</b>	<b>\$4,881,735</b>	<b>\$28,788,134</b>	<b>\$29,476,179</b>	-	-	-	<b>\$64,969,448</b>

##### **Transmission Main - Other Areas (CP0646)**

###### **CITYWIDE**

Construct various large diameter water mains throughout the City as identified in the water master plan. These improvements are needed to keep pace with demand.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Water Bond	-	-	\$1,630,301	\$1,667,151	\$17,728,627	\$18,166,449	-	-	\$39,192,528
<b>Sum:</b>	-	-	<b>\$1,630,301</b>	<b>\$1,667,151</b>	<b>\$17,728,627</b>	<b>\$18,166,449</b>	-	-	<b>\$39,192,528</b>

##### **Water Extensions and Oversized Mains - City Share (CN0064)**

###### **CITYWIDE**

Fund the City's cost share for developer constructed waterlines that are larger than 16-inch diameter.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Water Bond	-	\$200,000	\$240,546	-	-	-	-	-	\$440,546
2020 Water Bond	-	-	\$204,660	\$209,286	\$214,288	\$219,580	-	-	\$847,814
<b>Sum:</b>	-	<b>\$200,000</b>	<b>\$445,206</b>	<b>\$209,286</b>	<b>\$214,288</b>	<b>\$219,580</b>	-	-	<b>\$1,288,360</b>

##### **Waterline Replacement (CP0814)**

###### **CITYWIDE**

Replace waterline with highest breakage risk. Waterlines will be inspected and prioritized for replacement based on risk of breakage.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Water Bond	\$1,058,056	\$1,458,228	-	-	-	-	-	-	\$2,516,284
2020 Water Bond	-	-	\$1,559,713	\$1,686,001	\$1,317,598	\$1,617,612	-	-	\$6,180,924
<b>Sum:</b>	<b>\$1,058,056</b>	<b>\$1,458,228</b>	<b>\$1,559,713</b>	<b>\$1,686,001</b>	<b>\$1,317,598</b>	<b>\$1,617,612</b>	-	-	<b>\$8,697,208</b>

##### **Williams Gateway Well #5: Power and Williams Field (CP0830)**

###### **COUNCIL DISTRICT 6**

Re-drill and equip Williams Gateway Well #5 to provide water during CAP dryups. ☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Water Bond	-	-	\$168,129	\$1,947,783	\$1,569,574	-	-	-	\$3,685,486
O&M Water	-	-	-	-	-	\$57,231	\$180,344	-	\$237,575
<b>Sum:</b>	-	-	<b>\$168,129</b>	<b>\$1,947,783</b>	<b>\$1,569,574</b>	<b>\$57,231</b>	<b>\$180,344</b>	-	<b>\$3,923,061</b>

#### **Water Customer Demand - Southeast Mesa**

##### **Drill and Equip Non-Potable Well for Southeast Mesa (CP0826)**

###### **COUNCIL DISTRICT 6**

Drill and equip a new groundwater well to provide water during CAP dryups. ☐ ☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Water Bond	-	-	-	\$1,344,166	\$1,253,024	-	-	-	\$2,597,190
O&M Water	-	-	-	-	-	\$56,803	\$178,995	-	\$235,798
<b>Sum:</b>	-	-	-	<b>\$1,344,166</b>	<b>\$1,253,024</b>	<b>\$56,803</b>	<b>\$178,995</b>	-	<b>\$2,832,988</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Water Customer Demand - Southeast Mesa

#### Future Well 1 on Crismon (between Elliott and Warner) (CP0824)

##### COUNCIL DISTRICT 6

Drill and equip a new groundwater well in southeast Mesa to provide water during CAP canal dryups.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Water Bond	-	-	\$168,129	\$1,947,783	\$1,569,574	-	-	-	\$3,685,486
O&M Water	-	-	-	-	-	\$57,231	\$180,344		\$237,575
<b>Sum:</b>	-	-	<b>\$168,129</b>	<b>\$1,947,783</b>	<b>\$1,569,574</b>	<b>\$57,231</b>	<b>\$180,344</b>		<b>\$3,923,061</b>

#### Future Well 2 on Crismon (at Warner) (CP0825)

##### COUNCIL DISTRICT 6

Drill and equip a new groundwater well to provide water during CAP dryups. ☐

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Water Bond	-	-	\$168,129	\$1,947,783	\$1,569,574	-	-	-	\$3,685,486
O&M Water	-	-	-	-	-	\$57,231	\$180,344		\$237,575
<b>Sum:</b>	-	-	<b>\$168,129</b>	<b>\$1,947,783</b>	<b>\$1,569,574</b>	<b>\$57,231</b>	<b>\$180,344</b>		<b>\$3,923,061</b>

#### New Pump Station (CP0639)

##### COUNCIL DISTRICT 6

Construct new pump stations to meet the growing water demand. The Water Master Plan identified the need for additional pumping capacity.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2014 Water Bond	\$3,588,169	-	-	-	-	-	-	-	\$3,588,169
2020 Water Bond	-	-	\$766,130	\$7,916,451	\$826,808	\$4,872,024	\$4,464,596		\$18,846,009
<b>Sum:</b>	<b>\$3,588,169</b>	-	<b>\$766,130</b>	<b>\$7,916,451</b>	<b>\$826,808</b>	<b>\$4,872,024</b>	<b>\$4,464,596</b>		<b>\$22,434,178</b>

#### Signal Butte Water Treatment Plant Expansion (CP0372)

##### COUNCIL DISTRICT 6

Construct additional treatment capacity at the plant to meet growth demands in southeast Mesa.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2020 Water Bond	-	-	\$542,349	\$5,546,079	\$41,283,655	\$42,303,185	-	-	\$89,675,268
<b>Sum:</b>	-	-	<b>\$542,349</b>	<b>\$5,546,079</b>	<b>\$41,283,655</b>	<b>\$42,303,185</b>	-	-	<b>\$89,675,268</b>

#### Transmission Mains - Southeast Mesa (CP0645)

##### COUNCIL DISTRICT 6

Construct various large diameter water mains in southeast Mesa. The Water Master Plan identified the need for water transmission mains to meet water demand.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2014 Water Bond	-	\$530,000	-	-	-	-	-	-	\$530,000
2020 Water Bond	-	-	\$2,237,518	\$23,736,587	\$3,809,113	\$5,835,453	\$5,836,635		\$41,455,306
<b>Sum:</b>	-	<b>\$530,000</b>	<b>\$2,237,518</b>	<b>\$23,736,587</b>	<b>\$3,809,113</b>	<b>\$5,835,453</b>	<b>\$5,836,635</b>		<b>\$41,985,306</b>

#### Warner Lift Station Modifications (C05007)

##### COUNCIL DISTRICT 6

Install a new force main to the East Mesa Interceptor and replace the existing pumps which will considerably reduce the operating cost of this lift station.

Fund	Estimated Exp Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	Future Years		Totals
							(3)		
Capital 2010 Gas Bond	\$9,573	-	-	-	-	-	-	-	\$9,573
2010 Wastewater Bond	\$76,065	-	-	-	-	-	-	-	\$76,065
2010 Water Bond	\$11,138	-	-	-	-	-	-	-	\$11,138
2020 Wastewater Bond	-	-	\$2,159,247	-	-	-	-	-	\$2,159,247
<b>Sum:</b>	<b>\$96,776</b>	-	<b>\$2,159,247</b>	-	-	-	-	-	<b>\$2,256,023</b>

## Capital Improvement Program Project Funding Summary

### Fiscal Years 2020 - 2024

#### Water Customer Demand - Southeast Mesa

##### Well Collection Lines (CP0648)

###### COUNCIL DISTRICT 6

Construct the waterlines that convey groundwater from new wells to the City's reservoirs, where the water is pumped into the distribution system. The Water Master Plan has identified new groundwater wells that need to be installed to meet water

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	-	\$322,782	\$3,427,622	\$1,905,098	\$20,204,027	\$25,859,529
<b>Sum:</b>	-	-	-	<b>\$322,782</b>	<b>\$3,427,622</b>	<b>\$1,905,098</b>	<b>\$20,204,027</b>	<b>\$25,859,529</b>

##### Well Site Acquisition (C04048)

###### COUNCIL DISTRICT 6

Acquire land for additional well sites needed in the Desert Wells service zone.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$230,119	\$742,990	-	-	-	-	-	\$973,109
<b>Sum:</b>	<b>\$230,119</b>	<b>\$742,990</b>	-	-	-	-	-	<b>\$973,109</b>

#### Water Lifecycle

##### Advanced Metering Infrastructure (AMI) (CP0900)

###### CITYWIDE

Upgrade utility meter infrastructure, including related communications network and data management systems. A Smart Cities Initiative.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Electric Bond	-	\$226,001	-	-	-	-	-	\$226,001
2014 Gas Bond	-	\$862,649	-	-	-	-	-	\$862,649
2014 Water Bond	-	\$2,120,000	-	-	-	-	-	\$2,120,000
2020 Electric Bond	-	-	\$1,184,929	\$1,211,713	\$1,240,673	-	-	\$3,637,315
2020 Gas Bond	-	-	\$3,615,661	\$3,697,387	\$3,785,756	-	-	\$11,098,804
2020 Water Bond	-	-	\$8,135,235	\$16,638,237	\$17,035,896	\$6,400,757	-	\$48,210,125
<b>Sum:</b>	-	<b>\$3,208,650</b>	<b>\$12,935,825</b>	<b>\$21,547,337</b>	<b>\$22,062,325</b>	<b>\$6,400,757</b>	-	<b>\$66,154,894</b>

##### Aging Water Main Repairs (CP0821)

###### CITYWIDE

Make needed emergency repairs to pipe breaks on aging waterlines. ☐

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	-	\$549,600	-	-	-	-	-	\$549,600
2020 Water Bond	-	-	\$894,876	\$1,156,154	\$5,554,035	\$736,087	-	\$8,341,152
<b>Sum:</b>	-	<b>\$549,600</b>	<b>\$894,876</b>	<b>\$1,156,154</b>	<b>\$5,554,035</b>	<b>\$736,087</b>	-	<b>\$8,890,752</b>

##### Aging Water Main Replacement and Rehabilitation (CP0822)

###### CITYWIDE

Identify and replace or rehabilitate aging waterlines based on risk analysis priority. ☐

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$379,763	-	-	-	-	-	-	\$379,763
2020 Water Bond	-	-	\$963,459	\$9,711,835	\$9,985,306	\$9,816,434	-	\$30,477,034
<b>Sum:</b>	<b>\$379,763</b>	-	<b>\$963,459</b>	<b>\$9,711,835</b>	<b>\$9,985,306</b>	<b>\$9,816,434</b>	-	<b>\$30,856,797</b>

## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Water Lifecycle

#### Brown Road Major Plant Improvements (CP0634)

##### COUNCIL DISTRICT 5

Rehabilitate/replace major equipment & materials at the Brown Road Water Treatment Plant. Work includes possible replacement of the following: leaking valves actuators & controls, filter underdrains, reservoir liner, and the electric SES Service.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	\$289,252	\$3,283,277	\$3,361,750	\$3,134,432	-	\$10,068,711
<b>Sum:</b>	-	-	<b>\$289,252</b>	<b>\$3,283,277</b>	<b>\$3,361,750</b>	<b>\$3,134,432</b>	-	<b>\$10,068,711</b>

#### Brown Road Miscellaneous Plant Improvements (CP0635)

##### COUNCIL DISTRICT 5

Rehabilitate/replace equipment & materials at the plant. Work includes some of the following: bulk chemical tanks, pump & piping, sledge pumps & valves, chlorine & chemical feed systems, etc.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$42,151	\$300,000	-	-	-	-	-	\$342,151
2020 Water Bond	-	-	\$2,469,860	\$8,271,048	\$7,816,637	\$5,647,214	-	\$24,204,759
<b>Sum:</b>	<b>\$42,151</b>	<b>\$300,000</b>	<b>\$2,469,860</b>	<b>\$8,271,048</b>	<b>\$7,816,637</b>	<b>\$5,647,214</b>	-	<b>\$24,546,910</b>

#### Compliance Equipment at Water Facilities (CP0638)

##### CITYWIDE

Replace lab compliance equipment prior to failure so that the City can remain in compliance with federal regulation. The lab is responsible for regulatory compliance analysis samples at the water plant and other water facilities.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$345	-	-	-	-	-	-	\$345
2020 Wastewater Bond	-	-	-	\$351,617	-	-	-	\$351,617
2020 Water Bond	-	-	\$542,349	\$1,471,237	-	-	-	\$2,013,586
<b>Sum:</b>	<b>\$345</b>	-	<b>\$542,349</b>	<b>\$1,822,854</b>	-	-	-	<b>\$2,365,548</b>

#### Desert Well 18 Equip (C03080)

##### COUNCIL DISTRICT 6

Acquire, drill, and equip a new well site to augment the surface water supply. The Falcon Field reservoir 1 cannot be kept full and the flow rate from the Central Arizona Project reservoir to the Falcon Field zone is limited by existing infrastructure.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2010 Water Bond	\$14,761	-	-	-	-	-	-	\$14,761
2014 Water Bond	\$1,235,181	-	-	-	-	-	-	\$1,235,181
Water	\$222,480	\$184,422	-	-	-	-	-	\$406,902
<b>Sum:</b>	<b>\$1,472,422</b>	<b>\$184,422</b>	-	-	-	-	-	<b>\$1,656,844</b>

#### Desert Well Zone Well Site Acquisition (CP0823)

##### COUNCIL DISTRICT 6

Purchase land for two future wells sites in the DMB development. ☐

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	\$271,175	\$277,304	-	-	-	\$548,479
<b>Sum:</b>	-	-	<b>\$271,175</b>	<b>\$277,304</b>	-	-	-	<b>\$548,479</b>



## Capital Improvement Program Project Funding Summary Fiscal Years 2020 - 2024

### Water Lifecycle

#### East Mesa Service Center Tenant Improvements (CP0902)

##### COUNCIL DISTRICT 5

East Mesa Service Center (EMSC) Tenant Improvements. Expansion of the existing break room and adjacent locker room to create added space and functionality.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Natural Gas	\$1,657	\$13,103	-	-	-	-	-	-	\$14,760
Wastewater	\$238	\$77,038	-	-	-	-	-	-	\$77,276
Water	\$1,520	\$74,336	-	-	-	-	-	-	\$75,856
<b>Sum:</b>	<b>\$3,416</b>	<b>\$164,477</b>	-	-	-	-	-	-	<b>\$167,893</b>

#### Groundwater Treatment-Arsenic (CP0827)

##### COUNCIL DISTRICT 6

Provide water treatment facility for future groundwater wells based on water quality results at the time of drilling. ☐

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2020 Water Bond	-	-	\$523,909	\$5,411,088	-	\$3,408,694	-	-	\$9,343,691
<b>Sum:</b>	-	-	<b>\$523,909</b>	<b>\$5,411,088</b>	-	<b>\$3,408,694</b>	-	-	<b>\$9,343,691</b>

#### Horne Waterline Replacement: Marilyn Ave to Southern Ave (CP0366)

##### COUNCIL DISTRICT 4

Install new utility mains and service lines, and abandon aging water line. New utility lines will extend along Horne Road between Marilyn Avenue to Southern Avenue.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2010 Electric Bond	-	\$1,640,000	-	-	-	-	-	-	\$1,640,000
2014 Electric Bond	\$297,714	\$749,170	-	-	-	-	-	-	\$1,046,884
2014 Gas Bond	\$211,318	-	-	-	-	-	-	-	\$211,318
2014 Wastewater Bond	\$65,248	-	-	-	-	-	-	-	\$65,248
2014 Water Bond	\$414,557	-	-	-	-	-	-	-	\$414,557
<b>Sum:</b>	<b>\$988,836</b>	<b>\$2,389,170</b>	-	-	-	-	-	-	<b>\$3,378,006</b>

#### Lindsay Pump Stations Rectifier Replacement (CP0855)

##### COUNCIL DISTRICT 1

Evaluate the existing rectifier at the Lindsay Pump Station which is failing (overheating and leaking oil) and needs to be replaced. Electrical engineering services may be required to evaluate the integration of a universal rectifier.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital Utility Replacement Extension ar	\$33,458	\$164,651	-	-	-	-	-	-	\$198,109
<b>Sum:</b>	<b>\$33,458</b>	<b>\$164,651</b>	-	-	-	-	-	-	<b>\$198,109</b>

#### Pressure Reducing Valve Station Replacements - Citywide (C10391)

##### CITYWIDE

Replace and improve aging Pressure Reducing Valve (PRV) stations to allow for better operation, maintenance, and reliability. The water system has 25 free standing PRVs which serve a variety of purposes.

Fund	Estimated Exp						Future Years		Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)		
Capital 2014 Water Bond	\$1,307,121	-	-	-	-	-	-	-	\$1,307,121
2020 Water Bond	-	-	\$520,655	-	-	-	-	-	\$520,655
<b>Sum:</b>	<b>\$1,307,121</b>	-	<b>\$520,655</b>	-	-	-	-	-	<b>\$1,827,776</b>

**Capital Improvement Program Project Funding Summary  
Fiscal Years 2020 - 2024**

**Water Lifecycle****Pump Station Rehabilitation (CP0640)****CITYWIDE**

Rehabilitate/replace equipment and material at existing pump stations. Work includes replacing some of the followings: vertical turbine pumps, motors, chlorine equipment, electric switch gear, instrumentation & controls.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$1,650,875	\$824,680	-	-	-	-	-	\$2,475,555
2020 Water Bond	-	-	\$1,835,851	\$3,733,621	\$624,650	\$640,076	-	\$6,834,198
Utility Replacement Extension ar	\$480	\$294,195	-	-	-	-	-	\$294,675
<b>Sum:</b>	<b>\$1,651,355</b>	<b>\$1,118,875</b>	<b>\$1,835,851</b>	<b>\$3,733,621</b>	<b>\$624,650</b>	<b>\$640,076</b>	-	<b>\$9,604,428</b>

**Re-drill Groundwater Wells (CP0642)****CITYWIDE**

Re-drill wells and replace old equipment at wells identified in the Water Master Plan to meet water demand. Work will include re-drilling the well and installing new equipment - new electric service, electrical & instrument components, pump & motor.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	\$2,136,855	\$12,990,806	\$9,819,172	\$8,399,776	\$9,674,309	\$43,020,918
<b>Sum:</b>	-	-	<b>\$2,136,855</b>	<b>\$12,990,806</b>	<b>\$9,819,172</b>	<b>\$8,399,776</b>	<b>\$9,674,309</b>	<b>\$43,020,918</b>

**Reservoir Rehabilitation (CP0641)****CITYWIDE**

Replace failing equipment at City reservoirs in the water system. Equipment planned for replacement include cathodic protection equipment, liners, interior & exterior coatings & mixer equipment.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$215,131	\$2,833,621	-	-	-	-	-	\$3,048,752
2020 Water Bond	-	-	\$666,461	\$5,664,096	\$136,287	\$139,653	-	\$6,606,497
Utility Replacement Extension ar	-	\$587,720	-	-	-	-	-	\$587,720
<b>Sum:</b>	<b>\$215,131</b>	<b>\$3,421,341</b>	<b>\$666,461</b>	<b>\$5,664,096</b>	<b>\$136,287</b>	<b>\$139,653</b>	-	<b>\$10,242,969</b>

**Signal Butte Water Treatment Plant Equipment Replacement (CP0643)****COUNCIL DISTRICT 6**

Construct plant improvements and equipment replacement that will provide increased reliability and cost effective operation of the SBWTP. This includes rehab or replacement of bulk chemical tanks, pump and piping, sludge pumps and valves, etc.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	\$5,423,490	-	-	-	-	\$5,423,490
<b>Sum:</b>	-	-	<b>\$5,423,490</b>	-	-	-	-	<b>\$5,423,490</b>

**Val Vista Major Plant Improvements (CP0647)****COUNCIL DISTRICT 1**

Replace the liner at Reservoir 1 at the Val Vista Water Treatment Plant. The City assumed full ownership of Reservoir 1 as part of the 2012 Inter-Governmental Agreement with the City of Phoenix.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2020 Water Bond	-	-	\$216,940	\$2,240,616	-	-	-	\$2,457,556
<b>Sum:</b>	-	-	<b>\$216,940</b>	<b>\$2,240,616</b>	-	-	-	<b>\$2,457,556</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2020 - 2024**

**Water Lifecycle****Water Meter Vault Rehabilitation (CP0860)****CITYWIDE**

Perform upgrades necessary for OSHA compliance & to reduce safety hazards for personnel & equipment. Improvements are planned over several fiscal years. Water Resources purchases the meters. Engineering oversees installation of meters.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$52,219	\$3,350,711	-	-	-	-	-	\$3,402,930
2020 Water Bond	-	-	\$1,578,236	\$1,613,909	\$1,652,482	\$1,693,292	-	\$6,537,919
<b>Sum:</b>	<b>\$52,219</b>	<b>\$3,350,711</b>	<b>\$1,578,236</b>	<b>\$1,613,909</b>	<b>\$1,652,482</b>	<b>\$1,693,292</b>	-	<b>\$9,940,849</b>

**Water Resources Hydrant and Valve Replacement (CP0876)****CITYWIDE**

Replace water valves and fire hydrants as determined by the Water Resources department.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$512,471	\$1,717,200	-	-	-	-	-	\$2,229,671
2020 Water Bond	-	-	\$1,363,465	\$1,394,286	\$1,427,608	\$1,462,864	-	\$5,648,223
<b>Sum:</b>	<b>\$512,471</b>	<b>\$1,717,200</b>	<b>\$1,363,465</b>	<b>\$1,394,286</b>	<b>\$1,427,608</b>	<b>\$1,462,864</b>	-	<b>\$7,877,894</b>

**Water Services Extension & Replacement (CP0650)****CITYWIDE**

Replace water services that have reached the end of their support lifecycle. Timely replacement will prevent service disruptions.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$9,158	\$414,120	-	-	-	-	-	\$423,278
2020 Water Bond	-	-	\$288,530	\$295,052	\$302,103	\$309,563	-	\$1,195,248
<b>Sum:</b>	<b>\$9,158</b>	<b>\$414,120</b>	<b>\$288,530</b>	<b>\$295,052</b>	<b>\$302,103</b>	<b>\$309,563</b>	-	<b>\$1,618,526</b>

**Water Valve Replacement (CP0651)****CITYWIDE**

Replace water valves that have reached the end of their support lifecycle. This work will prevent service disruptions.

Fund	Estimated Exp						Future Years	Totals
	Through FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	(3)	
Capital 2014 Water Bond	\$561,563	\$350,000	-	-	-	-	-	\$911,563
<b>Sum:</b>	<b>\$561,563</b>	<b>\$350,000</b>	-	-	-	-	-	<b>\$911,563</b>