



Capital Improvement Program

Fiscal Years

2019-2023

Five Year Capital Improvement Program 2019 - 2023



Mesa City Council

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David Luna, Vice Mayor and District 5

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Kevin Thompson, District 6

City Manager

Christopher J. Brady

To the Honorable Mayor, City Council Members and the residents of the City of Mesa:

I am pleased to present the City of Mesa's 2019-2023 Capital Improvement Program (CIP). This document serves as a five-year planning tool for infrastructure development and improvements.

The CIP document includes:

- Capital expenditure summaries
- Operational impact cost summaries
- Financial summaries by funding sources
- Detailed individual descriptions of each project
- Maps indicating the location of the projects

The CIP is developed to serve as a plan based on City Council priorities and financial restrictions determined by the City's current financial forecast. The plan is reviewed and revised annually to evaluate City infrastructure needs within financial forecast limitations.



Christopher J. Brady
City Manager



Five Year Capital Improvement Program

2019 – 2023 Capital Improvement Program

Capital Improvement Program Overview	8
Major Program Summary – Capital Expenses	25
Major Program Summary – Start-Up & Operational Expenses	115

Project Detail Pages

General Government	131
Parks and Culture	149
Public Safety	173
Transportation	210
Utilities	313

Reference Documents

Signed Council Resolution and Summary Table	444
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Capital Improvement Program Overview

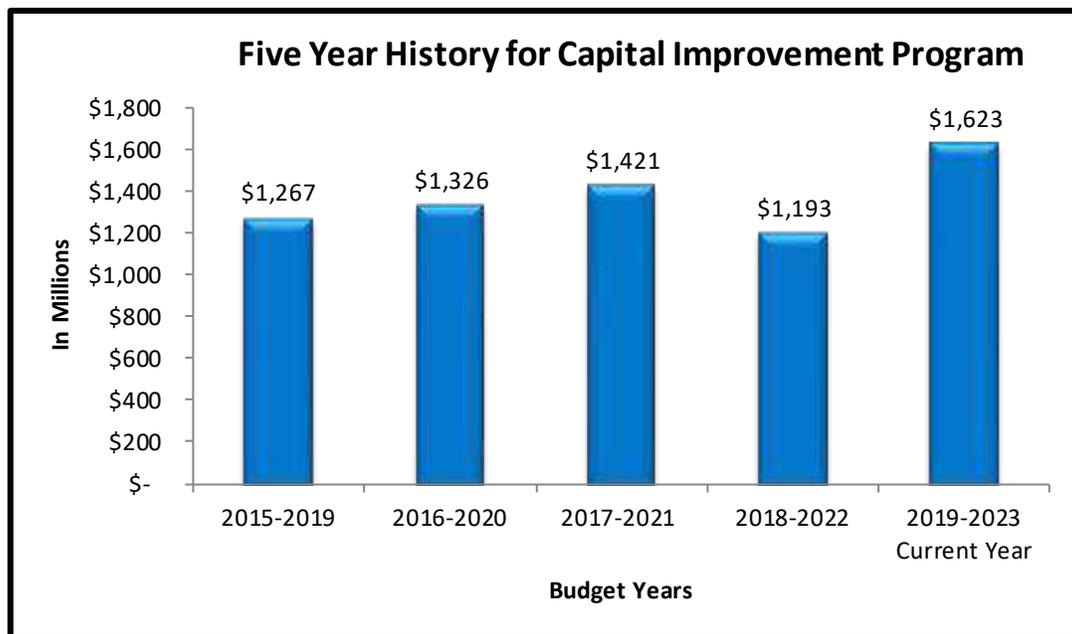
Fiscal Years

2019-2023

CAPITAL IMPROVEMENT PROGRAM OVERVIEW

The Capital Improvement Program (CIP) represents the City's plan to meet its public facility and infrastructure needs. Major capital improvements and purchases are planned and tracked on a longer-term basis than annual capital purchases. Departments assess needs, plan, and develop projects in conjunction with the Engineering Department. City management meets with departments to analyze and prioritize the projects. This allows the City to apply limited funding and staff resources to the highest-priority projects. Based on the resources projected to be available for the various types of projects, an eight-year Capital Improvement Program is developed and included in the City's long-term forecast. This plan includes project costs as well as all resulting operational and maintenance costs. The first five years of the plan are approved by the City Council and published in this Five-Year Capital Improvement Program document. The City Council also adopts the first year of the plan as part of the annual budget process.

Chart 1: Historical Look at CIP



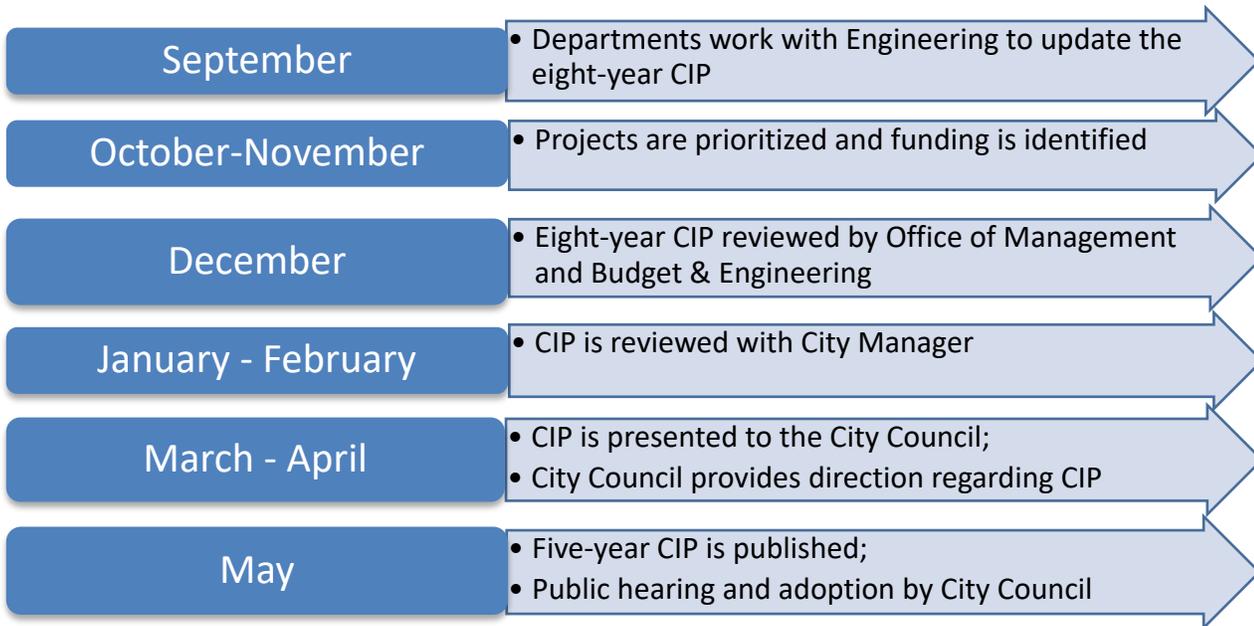
CIP BUDGET PROCESS

Due to limited resources, not all projects identified during the budget process are included in the final budget adopted by Council. Projects are prioritized based on how each project:

- Meets the goals of the City, considering financial feasibility, public health, and safety
- Fulfills the City's legal commitment to provide safe and adequate facilities and services
- Prevents or reduces future improvement cost
- Provides services to developed areas lacking full service
- Promotes development

The following is a timeline overview of the major steps in the CIP budget process:

Chart 2: CIP Process Timeline



CAPITAL IMPROVEMENT PROGRAM FUNDING SOURCES

The Capital Improvement Program budget adopted in the FY 2018/19 annual budget is \$445,735,000. Capital improvements are funded by two primary sources: (1) operating revenues and (2) bonds. The following is a summary of the funding sources:

Operating Revenues – These revenues include general and special sources (Local Street Sales Tax, Highway User Revenue, State shared revenue, Federal and State aid, fines, etc.) and enterprise revenues (electric, natural gas, water, solid waste, etc.). For purposes of the Capital Improvement Program, reimbursements of expenses from other governmental entities are included in this category. While not considered revenue, their inclusion assists in ascertaining the City’s net cost for a project.

Highway User Revenue – funds received through the State of Arizona collection of gasoline tax and a number of additional transportation-related fees. Revenues from these taxes and fees are deposited into the Arizona Highway User Revenue Fund (HURF), of which the City of Mesa receives a portion of the total. Funds in this category can only be used for transportation-related activities.

Local Streets – funds received from a May 2006 voter-approved increase of the City’s Transaction Privilege (Sales Tax) by 0.5%, of which 0.3% has been dedicated to transportation. This funding can only be used for streets-related activities and provides a local revenue source as well as the matching requirement to obtain Maricopa Association of Governments (MAG) Proposition 400 monies.

Federal Grants – funds obtained through federal grantors such as the Community Development Block Grant Program (CDBG) and the Federal Transit Administration.

State Grants – funds obtained through state grantors such as the Arizona Department of Transportation.

Joint Ventures – funds received from municipalities that participate as partners in jointly-owned facilities. The City of Mesa serves as the managing partner of the TOPAZ and Greenfield Water Reclamation Plant Joint Ventures. Each partner pays for a percentage of capital improvement cost based on percentage of ownership.

Bonds - Issuing bonds is a common practice among cities. It is the primary and most widely accepted method for municipalities to finance large capital projects. There are two types of bond funded projects in the Capital Improvement Program:

General Obligation (GO) Bonds - General obligation bonds are used to finance public infrastructure such as parks, streets, and police and fire facilities. General obligation bonds are backed by the “full faith and credit” of the City, meaning that the City pledges to take whatever action is necessary to raise the revenue to repay the loan. Principal and interest payments on Mesa’s GO bonds are funded by a secondary property tax, development impact fees, and a court construction fee. A specific portion of the debt is paid for by the General Fund. If these revenue sources are not sufficient, the General Fund is used to fund the remaining portion of the payment.

Utility Systems Revenue Bonds - Utility revenue bonds have no statutory limitations on the amount which may be issued. Projects that fall into this category are Electric, Natural Gas, Solid Waste, Water, and Wastewater projects. Bonds used for these projects are repaid from payments made by each utility customer.

RESTRICTED vs. UNRESTRICTED FUNDING

Operating revenues are comprised of restricted and unrestricted types of funding. Restricted funding can only be used for a specific purpose, usually because of a statutory requirement. Examples of restricted funds include Local Streets (must be used on street improvements) and Falcon Field revenues (must be used on improvements at the airport). Unrestricted funds can be used for the general purposes of the city. Examples include general fund revenue such as sales tax.

OVERVIEW OF CIP FUNDING

Table 1 presents a high-level overview of the annual FY 2017/18 CIP budget compared to FY 2018/19. The comparison of funding in consecutive fiscal years is one way to assess changes in the CIP.

Table 1: CIP Budget Comparison

Comparison of Prior Year CIP Budget		
Funding Source	FY 2017/18	FY 2018/19
<i>Operating Funds</i>		
Unrestricted	\$1,989,039	\$7,594,143
Restricted	\$113,441,961	\$162,599,075
Operating Funds Subtotal	\$115,431,000	\$170,193,218
<i>Bond Funds</i>		
General Obligation	\$25,699,409	\$27,136,842
Utility Revenue	\$150,721,591	\$130,568,940
Bond Funds Subtotal	\$176,421,000	\$157,705,782
Total Budget (without carryover)	\$291,852,000	\$327,899,000
<i>Carryover</i>		
Operating Funds Carryover	34,048,000	\$71,838,212
Bond Fund Carryover	13,483,000	\$45,997,788
Carryover Subtotal	47,531,000	\$117,836,000
Total CIP Budget	\$339,383,000	\$445,735,000

Notable differences in the CIP budget between FY 2017/18 and FY 2018/19 include the following:

Operating Funds- In FY 2018/19 funding from the Greenfield WRP Joint Venture Fund, which is a restricted fund, will be utilized on the Greenfield Wastewater Reclamation Plant Expansion. Joint Venture funds represent a partnership with other municipalities and include the cost to the City as well as the cost to the other partner jurisdictions. Unrestricted funds include General Fund and Enterprise Fund. A few examples of projects that will utilize unrestricted funds are a distributed antenna system for Phoenix Mesa Gateway Airport and G-2 Fire Station Alerting System.

General Obligation Bonds – The existing authorizations for parks, public safety, and street bonds are nearly exhausted. The adopted CIP includes funding to complete Eagles Park, fire training facilities, and street improvements to the Elliot Road Technology Corridor and Mesa Drive from 8th Avenue to Main Street.

Utility Systems Revenue Bonds – The FY 2018/19 budget includes Wastewater bond funding to pay for the Greenfield Wastewater Reclamation Plant Expansion. It is a multi-year project that is scheduled to be completed in the Fall of 2020. The total cost of the Greenfield Wastewater Reclamation Plant Expansion for the City of Mesa is expected to be approximately \$130 million over the life of the project.

Carryover –Carryover is the process of taking the unused budget appropriation of a project from one fiscal year and adding or ‘carrying’ it over to the budget appropriation for the next fiscal year. The adopted CIP includes \$117.8 million in carryover for projects to be completed in FY 2018/19. Carryover does not increase a projects total project cost. Examples of projects that are being carried over are Eagles Park and Greenfield Water Reclamation Plant Expansion.

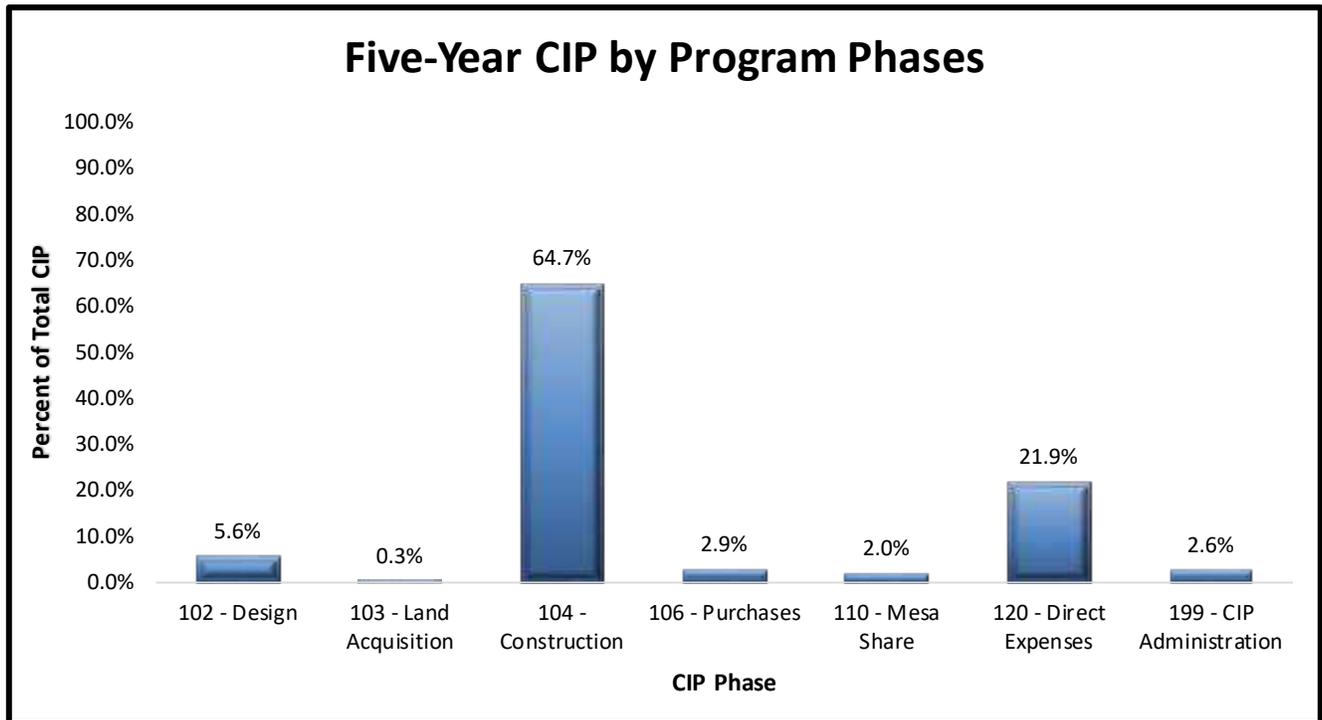
Table 2: Summary of the 2019-2023 Five-year CIP Budget

Five Year Capital Improvement Program Funding Sources						
Funding Source	2018/19	2019/20	2020/21	2021/22	2022/23	5 Year Total
Operating Funds						
Restricted Funds	\$222,433,437	\$82,721,300	\$19,572,726	\$23,382,079	\$25,136,319	\$373,245,861
Unrestricted Funds	\$9,217,308	\$1,120,837	\$1,406,969	\$1,278,234	\$1,893,120	\$14,916,468
Grant Funds						
Grants-Enterprise	\$3,892,108	\$1,924,114	\$1,257,694	\$2,239,936	\$3,212,923	\$12,526,775
Grants - General Gov.	\$6,488,577	\$8,651,280	-	-	-	\$15,139,857
Total Operating Funds	\$242,031,430	\$94,417,531	\$22,237,389	\$26,900,249	\$30,242,362	\$415,828,961
Bond Funds						
Electric Bonds	\$9,441,109	\$1,779,622	\$10,634,854	\$14,453,950	\$4,987,994	\$41,297,529
Gas Bonds	\$11,908,840	\$15,834,101	\$37,890,780	\$27,348,726	\$18,122,512	\$111,104,959
Water Bonds	\$26,700,396	\$23,263,673	\$50,103,569	\$132,090,141	\$108,024,633	\$340,182,412
Wastewater Bonds	\$92,710,167	\$41,471,985	\$22,584,935	\$71,304,555	\$73,779,450	\$301,851,092
Parks Bonds	\$20,871,759	\$32,961,197	31,100,130	26,992,500	8,277,602	\$120,203,188
Public Safety Bonds	\$12,853,286	36,229,431	33,230,960	4,060,062	5,258,479	\$91,632,218
Streets Bonds	\$26,537,968	\$8,410,055	\$48,177,531	\$61,631,978	\$53,130,119	\$197,887,651
Spring Trainging Bond	\$74,422	-	-	-	-	\$74,422
Solid Waste Bonds	\$2,605,623	-	-	-	-	\$2,605,623
Total Bond Funds	\$203,703,570	\$159,950,064	\$233,722,759	\$337,881,912	\$271,580,789	\$1,206,839,094
Total Budget	\$445,735,000	\$254,367,595	\$255,960,148	\$364,782,161	\$301,823,151	\$1,622,668,055

CAPITAL IMPROVEMENT PROGRAM PHASES

A CIP project goes through several steps from concept planning to the finished product. The steps of a project are called phases. Each project may consist of multiple phases. Phases may include: design, land acquisition, construction, purchases, direct expenses, and CIP administration.

Chart 3: CIP by Phase



Design phase includes the expenditures required to prepare a project for construction, such as the use of architects and engineers to prepare concept drawings.

Land Acquisition phase includes the cost of the land, attorneys, and other expenditures related to the purchase of land, when necessary.

Construction phase includes construction contracts, materials testing, inspections, and other expenditures related to the physical construction of the project. For any capital project, the construction budget will represent the highest percentage of the total project cost, therefore in total, the construction phase will represent the highest percentage of the total CIP budget.

Purchases phase includes the purchase of capital items such as furniture, fixtures, and equipment (FF&E) for a new facility, fire apparatus, a police helicopter, etc.

Mesa Share phase includes payments to partners for cost sharing projects.

Direct Expenses phase includes other expenditures related to the project that don't fit into the other phases. These might include advertising and public outreach on specific projects.

CIP Administration phase includes the time of accountants, engineers, and other professional staff dedicated to supporting the CIP, but who do not work on specific projects.

IMPACT ON OPERATING BUDGET

The completion of CIP projects may result in the need for additional funding for one-time start-up purchases as well as ongoing operations and maintenance funding. For example, a new fire station requires one-time funding for items such as furniture, fixtures and equipment and ongoing funding for expenditures such as personnel, utilities and maintenance. This funding is typically budgeted in the fiscal year following the completion of construction activities. It is identified during the project planning process and is included in the operating budget of the applicable department.

Table 3: Operations and Maintenance Budget

Funding Source	CIP Impact on Operating Budget				
	2018/19	2019/20	2020/21	2021/22	2022/2023
General Fund	\$586,916	\$600,549	\$617,186	\$633,117	\$649,561
Local Streets Fund	\$7,500	\$15,350	\$108,692	\$111,534	\$114,467
Environmental Compliance Fund	\$255,269	\$159,072	\$180,343	\$199,288	\$222,112
Enterprise Fund	\$691,740	\$2,190,449	\$2,252,072	\$2,366,580	\$2,890,713
Greenfield WRP Joint Venture Fund	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612
Highway User Revenue Fund	\$71,557	\$135,431	\$161,578	\$233,599	\$309,482
Transit Fund	-	\$3,126,182	\$3,214,471	\$3,298,484	\$3,385,246
Funding To Be Determined	-	\$2,348,165	\$5,173,624	\$4,847,632	\$4,962,086
Total Operational Impact	\$1,612,982	\$10,455,371	\$13,720,359	\$13,755,610	\$14,650,279

Examples of major operating impacts for the five-year period include:

General Fund – The general fund increase is due to the several parks projects that will be completed including Eagles Parks.

Enterprise Fund – Both the Signal Butte Water Treatment Plant and the Greenfield Water Reclamation Plant expansion are scheduled to be operational within the five-year period. Both projects require significant start-up cost as well as ongoing operational need.

Greenfield Water Reclamation Plant Joint Venture Fund – The Greenfield Water Reclamation Plant is a joint venture with the Towns of Gilbert and Queen Creek, with the City of Mesa serving as the managing partner. The capital improvements and operational cost of the plant are expensed to the joint venture fund. Each partner municipality is then allocated a portion of the cost based on the percentage of plant usage. The additional funding shown in Table 3 represents the cost to the partners for the operation of the additional flow capacity when the current expansion is completed.

Transit Fund – The Gilbert Road Light Rail Extension project is scheduled for completion in the late spring of 2019. FY 2019/20 is the first full-year of operation.

Funding to Be Determined – Some operations and maintenance costs are planned and identified in the forecast even though a funding source has not been identified. The City reserves a placeholder for a new fire station and police projects. Anticipating possible costs is important to effective budget planning. Operations and maintenance funding for these projects will be identified prior to construction.

START UP vs. ONGOING COST

Chart 4 below separates the operating budget into two categories – start-up and ongoing. Start-up costs are the one-time purchases that are required to support new City facilities. An example of a start-up expense would be the purchase of a pickup truck to support the maintenance activities at new parks. Ongoing costs are the expenses that are anticipated to take place every year. An example of an ongoing expense would be the utilities cost to operate a building.

Table 4: Start up vs. Ongoing Operations

Funding Source	CIP Cost on Operating Budget-Start-up vs. Ongoing				
	2018/19	2019/20	2020/21	2021/22	2022/2023
General Fund					
Ongoing	\$586,916	\$600,549	\$617,186	\$633,117	\$649,561
Local Street Sales Tax					
Ongoing	\$7,500	\$15,350	\$108,692	\$111,534	\$114,467
Environmental Compliance					
Start-up	\$120,000	-	-	-	-
Ongoing	\$135,269	\$159,072	\$180,343	\$199,288	\$222,112
Enterprise Fund					
Ongoing	\$691,740	\$2,190,449	\$2,252,072	\$2,366,580	\$2,890,713
Greenfield WRP Joint Venture					
Ongoing	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612
Highway User Revenue Fund					
Start-up	\$71,557	\$135,431	\$161,578	\$233,599	\$309,482
Transit Fund					
Ongoing	-	\$3,126,182	\$3,214,471	\$3,298,484	\$3,385,246
Funding To Be Determined					
Start-up	-	\$399,586	\$1,340,312	-	-
Ongoing	-	\$1,948,579	\$3,833,312	\$4,847,632	\$4,962,086
Total Operational Cost	\$1,612,982	\$10,455,371	\$13,720,359	\$13,755,610	\$14,650,279

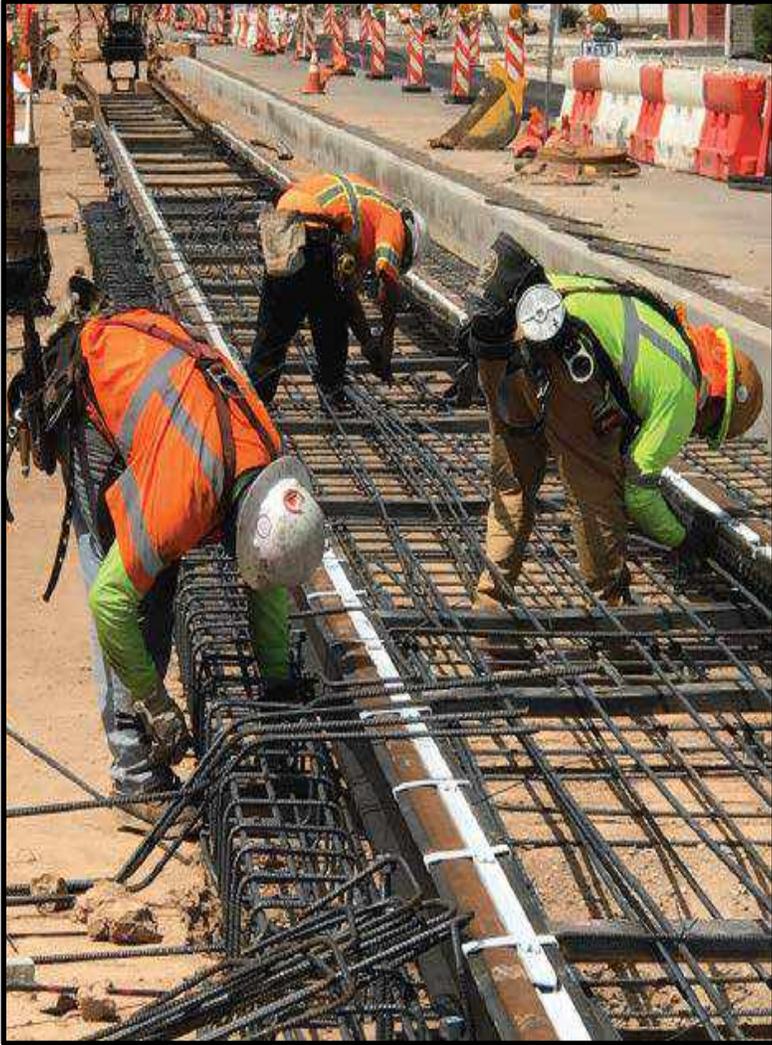
The following highlight the estimated annual operating impact of some projects and a description of the operating costs.

Elliot Road Technology Corridor

Project Description: Widen Elliot Road to six lanes with a bike lane and raised medians. New streetlights will be installed to complement existing area special lighting fixtures. Landscaping will be installed on both sides of the roadway and in the raised medians. A new signalized intersection will be built at Elliot Road and Crismon Road. A large decorative monument will be built on the western end of this project, and ten street name markers will be installed at various locations.

Annual Operating Cost: ~\$49,000





Gilbert Road Light Rail Extension

Project Description:

Extend light rail on Main Street from Mesa Drive to Gilbert Road. At Gilbert Road, there are significant transit connections and the ability to serve the growing transit demand in the East Valley. This extension will attract new riders and increase development opportunities in central Mesa.

Annual Operating Cost: ~\$3.2 million

Upon completion, the annual operating and maintenance budget of the Gilbert Road Light Rail Extension will be approximately \$3.2 million. The operational cost of the light rail is partially offset by fare and advertising revenues.



PROJECT FACTS

1.9

MILES

2

STATIONS

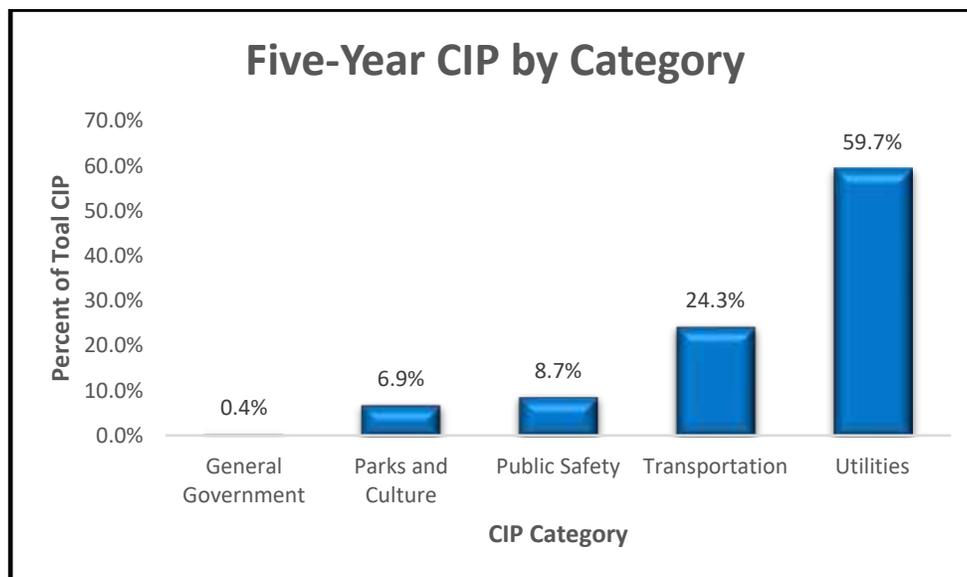
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PARK-AND-RIDE/
TRANSIT CENTER

CAPITAL IMPROVEMENT PROGRAM CATEGORIES

The CIP represents the City's commitment to provide reliable infrastructure for its citizens, businesses, and visitors. All capital improvement program projects are assigned to one of five categories: General Government, Parks and Culture, Public Safety, Transportation, and Utilities. Chart 4 below shows these categories based on their percentage of the total five-year CIP. Utilities is the largest percentage as new construction of the Signal Butte Water Treatment Plant and expansion of the Greenfield Water Reclamation Plant will be completed over the next five years. Transportation is the next largest category with planned improvements to First Avenue and Mesa Drive Phase II. Following Chart 4 is a description of each category and examples of the types projects contained in the five-year CIP.

Chart 4: CIP by Category



General Government projects are defined as any improvements or land acquisition associated with City Facilities, Town center, and economic development.

Parks and Culture projects are defined as new neighborhood, community or district parks and associated amenities; park offices; retention basin improvements; golf course improvements; athletic field lighting; community recreation centers; skate parks; park projects; and aquatic facilities. Other projects in this category include improvements to the City's arts centers, museums, and public libraries.

Public Safety projects are defined as new buildings or existing buildings/facilities that are planned to be remodeled, renovated, or expanded such as: Police substations; Fire stations; courtrooms; training facilities; or parking garages associated with public safety. This also includes land acquisition for public safety improvements. New equipment purchases or existing equipment upgrades, and communication facilities & equipment are also included in this category.

Transportation projects are defined as improvements to the existing arterial street system; intersection improvements; new roadways; landscaping within public right-of-way; street lighting and traffic signal system improvements; shared use paths; storm sewer drainage improvements; floodway improvements; bus purchases; bus pullouts/bus shelters; park-n-ride lots; transit facilities; light rail studies; and infrastructure improvements to Falcon Field and Phoenix-Mesa Gateway airports.

Utilities projects are defined as water reclamation plants; water treatment plants; well sites; water lines; wastewater lines; gas lines; storm sewer lines; lift stations; new or expanded pump stations; sulfide stations; storage or recharge sites; electrical substation expansions; electric distribution overhead and underground; environmental mitigation; and solid waste facility improvements.

PLANNING FOR

nextmesa

The 2012 and 2013 voter-approved GO bond authorizations for Parks and Public Safety are nearly exhausted. Each year during the planning process, departments identify future priorities to meet the needs of our growing City. During the fiscal year, these projects are reviewed with City Council, City Management, and the community to prioritize and determine funding sources.

Below is a list of parks and cultural projects. These projects represent four different areas and were identified by the department, City Council, City Management, and the community.

- Athletic Fields (including Red Mountain, Mesa Plays, Monterey Park, Crismon & Elliot, and North Center Street)
- Park Amenities (including City Center Plaza and Dog Parks at Carriage Lane Park & Countryside Park, and Harris Basin ADA Playground)
- Paths (Signal Butte & Elliot Park, Lehi Crossing Shared Use Path and Eastern Canal Shared Use Path)
- Cultural (including Southeast Library, Dobson & Main Library Improvements, Federal Building Renovation, and i.d.e.a. museum)

Below is a list of priority projects related to public safety. These projects represent Police, Fire and Medical, and Communications priorities to meet the public safety needs of the community.

- Police Evidence Storage Facility
- Police Northeast Substation
- Fire Station 221 – Eastmark
- Fire Station 222 – Northeast
- Fire Apparatus
- Public Safety Fiber Phase II

Glossary of Funding Sources, Terms and Abbreviations

ADA – Americans with Disabilities Act of 1990.

APPROPRIATION – An authorization granted by the City Council to make expenditures and to incur obligations for purposes specified in the Appropriation Ordinance.

CARRYOVER – The process of taking the unused budget appropriation of a project from one fiscal year and adding or ‘carrying’ it over to the budget appropriation for the next fiscal year.

CAPITAL IMPROVEMENT PROGRAM – A plan separate from the Annual Budget that identifies: (a) all capital improvements which are proposed to be undertaken during a five-fiscal year period; (b) the cost estimate for each improvement; (c) the method of financing each improvement; (d) the recommended time schedule for each project; and (e) the estimated annual operating and maintenance costs.

CITY SHARE – Capital improvement activity for infrastructure cost share amount with the developer community.

CURRENT AUTHORIZATION – Bond funding which has already been approved by voters.

FUND – An independent fiscal and accounting entity with a self-balancing set of accounts recording cash and/or other resources, together with all related liabilities, for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulations.

FUTURE AUTHORIZATION – Projects proposed to be funded with dollars that will require a future bond authorization.

ITD – Information Technology Department

IGA – Intergovernmental Agreement

MAG – Maricopa Association of Governments

MESA SHARE – The City of Mesa’s portion in a cost share project.

NON-CAPITALIZED ASSET – An item of machinery or furniture having a unit cost of less than \$5,000.

PROGRAM – A group of related functions/ activities/sub-activities performed by one or more responsibility centers for the purpose of accomplishing an activity or group or activities for which the City is responsible.

PURCHASED CAPITAL OUTLAY – Acquisition of any item of capital that is complete in and of itself when it is purchased.

SRPMIC – Salt River Pima-Maricopa Indian Community.

TRWC – Topaz Regional Wireless Cooperative.

VHF – Very High Frequency; used in public safety radio communication.





Major Program Summary- Capital Expenditures

Fiscal Years

2019-2023

Capital Expenditure Summary

CIP Project Categories

General Government

City Facilities..... 27

Parks & Culture

Cemetery..... 30

Parks & Recreation 31

Public Safety

Communications..... 35

Fire and Medical..... 39

Police 42

Transportation

Falcon Field 43

Intelligent Transportation Systems 47

Shared-use Paths..... 49

Storm Sewer 51

Streets 55

Transit..... 68

Capital Expenditure Summary

Utilities

District Cooling.....	69
Electric	70
Environmental & Sustainability	73
Natural Gas Aging Infrastructure.....	74
Natural Gas Growth.....	80
Natural Gas System Reinforcement.....	82
Wastewater Contractual Obligations	83
Wastewater Customer Demand – Citywide.....	85
Wastewater Customer Demand – Southeast Mesa	87
Wastewater Lifecycle	89
Water Contractual Obligations.....	99
Water Customer Demand - Citywide	100
Water Customer Demand – Southeast Mesa.....	103
Water Lifecycle	106

2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

City Facilities

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
AZ Labs Improvements	CP0863	Economic Investment Fund	-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167
Total For AZ Labs Improvements			-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167
Convention Center Walkway Lighting	CP0584	Convention Center	\$199,766	\$58,072	-	-	-	-	-	\$257,838
Total For Convention Center Walkway Lighting			\$199,766	\$58,072	-	-	-	-	-	\$257,838
Downtown Facade Improvement	CP0781	Capital - General Fund	\$4,174	-	-	-	-	-	-	\$4,174
		Community Development Block Grant	\$100,000	\$447,000	-	-	-	-	-	\$547,000
		Grants - Gen. Gov.	\$22,850	\$195,868	-	-	-	-	-	\$218,718
Total For Downtown Facade Improvement			\$127,024	\$642,868	-	-	-	-	-	\$769,892
East Mesa Service Center Cooling Tower System Replacement	CP0681	Capital - General Fund	\$1,001,106	\$92,524	-	-	-	-	-	\$1,093,630
Total For East Mesa Service Center Cooling Tower System Replacement			\$1,001,106	\$92,524	-	-	-	-	-	\$1,093,630
East Valley Adult Resources Building	CP0568	Capital - General Fund	\$23,220	\$25,037	-	-	-	-	-	\$48,257
		Community Development Block Grant	\$64,529	\$662,828	-	-	-	-	-	\$727,357

Major capital improvement projects often require a multi-year design and construction period. Therefore, the amounts reported in this project summary represent the remaining cost of a project and may not be representative of total project cost.

2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

City Facilities

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For East Valley Adult Resources Building			\$87,749	\$687,865	-	-	-	-	-	\$775,614
Fleet West Roof Replacement	CP0793	Fleet Internal Service	\$12,929	\$352,090	-	-	-	-	-	\$365,019
Total For Fleet West Roof Replacement			\$12,929	\$352,090	-	-	-	-	-	\$365,019
Gene Autry Clubhouse Septic System	CP0688	Capital - General Fund	\$23,872	\$505,300	-	-	-	-	-	\$529,172
Total For Gene Autry Clubhouse Septic System			\$23,872	\$505,300	-	-	-	-	-	\$529,172
Main Library Tower Chiller	CP0820	Capital - General Fund	-	\$185,000	-	-	-	-	-	\$185,000
Total For Main Library Tower Chiller			-	\$185,000	-	-	-	-	-	\$185,000
Mesa Family Advocacy HVAC System & Roofing	CP0770	Capital - General Fund	\$18,700	\$421,647	-	-	-	-	-	\$440,347
Total For Mesa Family Advocacy HVAC System & Roofing			\$18,700	\$421,647	-	-	-	-	-	\$440,347
Police Central Division Drain Lines	CP0679	Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
Total For Police Central Division Drain Lines			-	\$210,000	-	-	-	-	-	\$210,000
Police Headquarters Generator	CP0785	Capital - General Fund	\$53,828	\$570,405	-	-	-	-	-	\$624,233
Total For Police Headquarters Generator			\$53,828	\$570,405	-	-	-	-	-	\$624,233
Red Mountain Library Tower Replacement	CP0799	Capital - General Fund	-	\$560,000	-	-	-	-	-	\$560,000
Total For Red Mountain Library Tower Replacement			-	\$560,000	-	-	-	-	-	\$560,000

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

City Facilities

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Red Mountain Multigenerational Center Chiller Replacement	CP0767	Capital - General Fund	\$114,812	\$1,217,236	-	-	-	-	-	\$1,332,048
Total For Red Mountain Multigenerational Center Chiller Replacement			\$114,812	\$1,217,236	-	-	-	-	-	\$1,332,048
Total for City Facilities			\$1,639,786	\$5,629,007	\$376,063	\$469,544	\$56,684	\$290,876	-	\$8,461,960

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Cemetery

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Cemetery North Expansion	CP0583	Cemetery	\$442,215	\$1,172,396	-	-	-	-	-	\$1,614,611
Total For Cemetery North Expansion			\$442,215	\$1,172,396	-	-	-	-	-	\$1,614,611
Future Cemetery Expansion	CP0712	Cemetery	-	-	\$16,722	\$336,732	-	-	-	\$353,454
Total For Future Cemetery Expansion			-	-	\$16,722	\$336,732	-	-	-	\$353,454
Total for Cemetery			\$442,215	\$1,172,396	\$16,722	\$336,732	-	-	-	\$1,968,065

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
City Center	CP0871	Capital - General Fund	\$18,739	\$468,351	-	-	-	-	-	\$487,090
Total For City Center			\$18,739	\$468,351	-	-	-	-	-	\$487,090
Cubs Facility Improvements	CP0723	Spring Training Bond Construction	\$302,383	\$74,422	-	-	-	-	-	\$376,805
Total For Cubs Facility Improvements			\$302,383	\$74,422	-	-	-	-	-	\$376,805
Eagles Park	CP0211	2012 Park Bond	\$1,115,849	\$3,220,605	-	-	-	-	-	\$4,336,454
		Capital - General Fund	\$69,113	\$14,274	-	-	-	-	-	\$83,387
		Community Development Block Grant	\$1,150,000	-	-	-	-	-	-	\$1,150,000
		Grants - Gen. Gov.	-	\$49,345	-	-	-	-	-	\$49,345
		Local Streets Fund	\$52,052	\$2,506,759	-	-	-	-	-	\$2,558,811
		Neighborhood Stabilization Program 1	\$1,838,465	\$761,535	-	-	-	-	-	\$2,600,000
Total For Eagles Park			\$4,225,479	\$6,552,518	-	-	-	-	-	\$10,777,997
Engineering Park Irrigation Projects	CP0485	2012 Park Bond	\$1,201,657	\$17,398	-	-	-	-	-	\$1,219,055
		Capital - General Fund	\$252,212	-	-	-	-	-	-	\$252,212

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Engineering Park Irrigation Projects			\$1,453,869	\$17,398	-	-	-	-	-	\$1,471,267
Federal Building Renovation	CP0213	2012 Park Bond	\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000
Total For Federal Building Renovation			\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000
Fiesta Sports Park	CP0009	2012 Park Bond	\$5,215,874	\$52,970	-	-	-	-	-	\$5,268,844
		Capital - General Fund	\$100,000	-	-	-	-	-	-	\$100,000
Total For Fiesta Sports Park			\$5,315,874	\$52,970	-	-	-	-	-	\$5,368,844
Gene Autry Park Improvements	CP0559	2012 Park Bond	\$386,211	\$19,808	-	-	-	-	-	\$406,019
		Capital - General Fund	\$3,556	-	-	-	-	-	-	\$3,556
Total For Gene Autry Park Improvements			\$389,767	\$19,808	-	-	-	-	-	\$409,575
Greenfield Park Urban Fishing Lake	CP0010	2012 Park Bond	\$3,294,750	\$231,835	-	-	-	-	-	\$3,526,585
		2013 Street Bond	\$248,670	-	-	-	-	-	-	\$248,670
		Environmental Compliance Fee	\$209,176	-	-	-	-	-	-	\$209,176
Total For Greenfield Park Urban Fishing Lake			\$3,752,596	\$231,835	-	-	-	-	-	\$3,984,431
Kleinman Park	CP0553	2012 Park Bond	\$1,477,074	\$4,205	-	-	-	-	-	\$1,481,279
		Capital - General Fund	\$31,904	\$12,096	-	-	-	-	-	\$44,000
		Community Development Block Grant	\$8,833	\$241,167	-	-	-	-	-	\$250,000

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Kleinman Park		Grants - Gen. Gov.	\$131,391	\$100,000	-	-	-	-	-	\$231,391
Total For Kleinman Park			\$1,649,202	\$357,468	-	-	-	-	-	\$2,006,670
Mesa City Center	CP0013	2012 Park Bond	\$584,986	\$103,833	-	-	-	-	-	\$688,819
		Future Park Bond	-	-	-	-	-	-	\$29,808,700	\$29,808,700
Total For Mesa City Center			\$584,986	\$103,833	-	-	-	-	\$29,808,700	\$30,497,519
Minor Equipment	CP0303	Capital - General Fund	\$391,566	\$298,787	-	-	-	-	-	\$690,353
Total For Minor Equipment			\$391,566	\$298,787	-	-	-	-	-	\$690,353
Parks Bond Projects Placeholder	CP0183	2018 Parks Bond	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602
Total For Parks Bond Projects Placeholder			-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602
Parks Irrigation Controllers	CN0009	2012 Park Bond	-	\$282,182	-	-	-	-	-	\$282,182
		Capital - General Fund	\$334,594	\$509,397	-	-	-	-	-	\$843,991
Total For Parks Irrigation Controllers			\$334,594	\$791,579	-	-	-	-	-	\$1,126,173
Pioneer Park Renovations	CP0015	2012 Park Bond	\$7,417,183	\$532,817	-	-	-	-	-	\$7,950,000
		Environmental Compliance Fee	\$37,800	-	-	-	-	-	-	\$36,667
Total For Pioneer Park Renovations			\$7,454,983	\$532,817	-	-	-	-	-	\$7,987,800
Riverview Irrigation Filter Upgrade	CP0784	Cubs Spring Training Facility	\$8,651	\$191,506	-	-	-	-	-	\$200,157
Total For Riverview Irrigation Filter Upgrade			\$8,651	\$191,506	-	-	-	-	-	\$200,157

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Signal Butte & Elliot Park Development	CP0121	2012 Park Bond	\$62,740	\$1,309,224	-	-	-	-	-	\$1,381,964
		2014 Water Bond	\$61,302	-	-	-	-	-	-	\$61,302
		Highway User Revenue Fund	\$7,043	\$8,326	-	-	-	-	-	\$15,369
Total For Signal Butte & Elliot Park Development			\$131,085	\$1,317,550	-	-	-	-	-	\$1,448,635
Total for Parks & Recreation			\$26,687,417	\$25,337,199	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	\$29,808,700	\$168,990,918

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Automated Billing and Network Management Tools - Mesa Share	CN0061	Capital - General Fund	-	-	-	\$244,440	\$250,828	-	-	\$495,268
Total For Automated Billing and Network Management Tools - Mesa Share			-	-	-	\$244,440	\$250,828	-	-	\$495,268
Communications Building Electrical Vulnerability Mitigation	CP0796	Capital - General Fund	\$14,267	\$27,710	-	-	-	-	-	\$41,977
Total For Communications Building Electrical Vulnerability Mitigation			\$14,267	\$27,710	-	-	-	-	-	\$41,977
Distributed Antenna System for Phoenix Mesa Gateway Airport	CP0839	Capital - General Fund	-	\$136,290	-	-	-	-	-	\$136,290
Total For Distributed Antenna System for Phoenix Mesa Gateway Airport			-	\$136,290	-	-	-	-	-	\$136,290
Fiber to Radio Network Backbone Sites	CP0092	2013 Public Safety Bond	\$4,470,473	\$129,527	-	-	-	-	-	\$4,600,000
Total For Fiber to Radio Network Backbone Sites			\$4,470,473	\$129,527	-	-	-	-	-	\$4,600,000
G-2 Fire Station Alerting System	CP0838	Capital - General Fund	-	\$309,750	-	-	-	-	-	\$309,750
Total For G-2 Fire Station Alerting System			-	\$309,750	-	-	-	-	-	\$309,750

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Internet Protocol Network Router Expansion - Mesa Share	CN0052	Capital - General Fund	-	\$348,469	-	-	-	-	-	\$348,469
Total For Internet Protocol Network Router Expansion - Mesa Share			-	\$348,469	-	-	-	-	-	\$348,469
Public Safety Fiber - Phase II	CP0696	2018 Public Safety Bond	-	\$1,436,400	\$4,063,600	-	-	-	-	\$5,500,000
		Future Public Safety Bond	-	-	-	-	-	-	\$19,972,083	\$19,972,083
Total For Public Safety Fiber - Phase II			-	\$1,436,400	\$4,063,600	-	-	-	\$19,972,083	\$25,472,083
Radio Network Upgrade - Mesa Share	CN0023	2013 Public Safety Bond	\$2,200,000	-	-	-	-	-	-	\$2,200,000
		Capital - General Fund	\$1,027,164	\$325,371	\$332,952	-	-	-	-	\$1,685,487
Total For Radio Network Upgrade - Mesa Share			\$3,227,164	\$325,371	\$332,952	-	-	-	-	\$3,885,487
System of Systems Networking - Mesa Share	CN0053	Capital - General Fund	-	\$464,625	-	-	-	-	-	\$464,625
Total For System of Systems Networking - Mesa Share			-	\$464,625	-	-	-	-	-	\$464,625
TOPAZ Automated Billing and Network Management Tools	CP0813	Topaz Capital Programs	-	-	-	\$325,919	\$334,438	-	-	\$660,357
Total For TOPAZ Automated Billing and Network Management Tools			-	-	-	\$325,919	\$334,438	-	-	\$660,357

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
TOPAZ Internet Protocol Network Router Expansion	CP0755	Topaz Capital Programs	-	\$464,625	-	-	-	-	-	\$464,625
Total For TOPAZ Internet Protocol Network Router Expansion			-	\$464,625	-	-	-	-	-	\$464,625
TOPAZ Northeast Mesa Radio Tower Site	CP0779	Topaz Capital Programs	-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218
Total For TOPAZ Northeast Mesa Radio Tower Site			-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218
TOPAZ Radio Network Upgrade	CN0022	Topaz Capital Programs	-	\$433,828	\$443,936	-	-	-	-	\$877,764
		TOPAZ Joint Venture Fund	\$4,501,483	-	-	-	-	-	-	\$4,501,483
Total For TOPAZ Radio Network Upgrade			\$4,501,483	\$433,828	\$443,936	-	-	-	-	\$5,379,247
TOPAZ Southeast Apache Junction Radio Tower Site	CP0754	Topaz Capital Programs	-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123
Total For TOPAZ Southeast Apache Junction Radio Tower Site			-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123
TOPAZ Southeast Queen Creek Radio Tower Site	CP0091	Topaz Capital Programs	-	-	\$574,063	\$988,024	-	-	-	\$1,562,087
Total For TOPAZ Southeast Queen Creek Radio Tower Site			-	-	\$574,063	\$988,024	-	-	-	\$1,562,087
TOPAZ System of Systems Networking	CP0438	Topaz Capital Programs	-	\$619,500	-	-	-	-	-	\$619,500
Total For TOPAZ System of Systems Networking			-	\$619,500	-	-	-	-	-	\$619,500

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
TOPAZ West Side Coverage Solution for the Topaz Network	CP0810	Topaz Capital Programs	-	-	-	\$391,103	-	-	-	\$391,103
Total For TOPAZ West Side Coverage Solution for the Topaz Network			-	-	-	\$391,103	-	-	-	\$391,103
West Side Coverage Solution for Topaz Network - Mesa Share	CN0059	Capital - General Fund	-	-	-	\$293,327	-	-	-	\$293,327
Total For West Side Coverage Solution for Topaz Network - Mesa Share			-	-	-	\$293,327	-	-	-	\$293,327
Wireless Backhaul Microwaves	CP0093	Capital - General Fund	\$174,647	\$142,868	-	-	-	-	-	\$317,515
		Topaz Capital Programs	\$174,648	\$142,868	-	-	-	-	-	\$317,516
Total For Wireless Backhaul Microwaves			\$349,295	\$285,736	-	-	-	-	-	\$635,031
Wireless Backhaul Mircowaves - Mesa Share	CN0034	Capital - General Fund	\$103,353	\$309,159	-	-	-	-	-	\$412,512
Total For Wireless Backhaul Mircowaves - Mesa Share			\$103,353	\$309,159	-	-	-	-	-	\$412,512
Total for Communications			\$12,666,035	\$5,290,990	\$5,414,551	\$2,833,089	\$2,204,816	\$1,040,515	\$19,972,083	\$49,422,079

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Fire

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Fire Apparatus	CN0002	2013 Public Safety Bond	\$8,489,656	\$10,344	-	-	-	-	-	\$8,500,000
		Capital - General Fund	\$254,050	\$629	-	-	-	-	-	\$254,679
	CN0055	2018 Public Safety Bond	-	\$5,801,363	\$5,828,643	\$4,644,604	\$4,060,062	\$5,258,479	-	\$25,593,151
		Capital - General Fund	-	\$804,107	\$546,146	\$620,635	\$772,342	\$1,631,346	\$6,428,834	\$10,803,410
		Future Public Safety Bond	-	-	-	-	-	-	\$46,659,311	\$46,659,311
Total For Fire Apparatus			\$8,743,706	\$6,616,443	\$6,374,789	\$5,265,239	\$4,832,404	\$6,889,825	\$53,088,145	\$91,810,551
Fire Station 221: Eastmark	CP0102	2018 Public Safety Bond	-	-	\$3,042,315	-	-	-	-	\$3,042,315
		Restricted Programs Fund	\$3,353	\$733,635	\$4,766,651	-	-	-	-	\$5,503,639
Total For Fire Station 221: Eastmark			\$3,353	\$733,635	\$7,808,966	-	-	-	-	\$8,545,954
Fire Station 222: Power Road	C10119	2018 Public Safety Bond	-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147
Total For Fire Station 222: Power Road			-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147
Mesa Regional Dispatch and Emergency Operations Center	CP0340	2004 Fire Bond	\$45,856	-	-	-	-	-	-	\$45,856

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Fire

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Mesa Regional Dispatch and Emergency Operations Center		2008 Public Safety Bond	\$1,000,000	-	-	-	-	-	-	\$1,000,000
		2013 Public Safety Bond	\$8,100,920	\$19,524	-	-	-	-	-	\$8,120,444
		Capital - General Fund	\$246,149	-	-	-	-	-	-	\$246,149
		Grants - Gen. Gov.	\$500,180	-	-	-	-	-	-	\$500,180
Total For Mesa Regional Dispatch and Emergency Operations Center			\$9,893,105	\$19,524	-	-	-	-	-	\$9,912,629
Public Safety Training Facility Burn Tower Renovation	CP0858	2008 Public Safety Bond	\$32	-	-	-	-	-	-	\$32
		2013 Public Safety Bond	\$9,203	\$399,796	-	-	-	-	-	\$408,999
		2018 Public Safety Bond	-	-	-	-	-	-	\$691,888	\$691,888

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Fire

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Public Safety Training Facility Burn Tower Renovation			\$9,235	\$399,796	-	-	-	-	\$691,888	\$1,100,919
Public Safety Training Facility Improvements: Burn Room	CP0096	2013 Public Safety Bond	\$829,404	\$1,070,596	-	-	-	-	-	\$1,900,000
Total For Public Safety Training Facility Improvements: Burn Room			\$829,404	\$1,070,596	-	-	-	-	-	\$1,900,000
Total for Fire			\$19,478,803	\$8,839,994	\$17,552,585	\$17,555,556	\$4,832,404	\$6,889,825	\$53,780,033	\$128,929,200

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Police

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Advocacy Center Interview Suite Sound Attenuation Upgrades	CP0747	Capital - General Fund	\$13,627	\$138,862	-	-	-	-	-	\$152,489
Total For Advocacy Center Interview Suite Sound Attenuation Upgrades			\$13,627	\$138,862	-	-	-	-	-	\$152,489
Aviation Unit Hangar Remodel	CP0216	2013 Public Safety Bond	\$136,340	\$2,431	-	-	-	-	-	\$138,771
		Capital - General Fund	\$128,239	-	-	-	-	-	-	\$128,239
Total For Aviation Unit Hangar Remodel			\$264,579	\$2,431	-	-	-	-	-	\$267,010
Northeast Police Substation	CP0737	2018 Public Safety Bond	-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115
Total For Northeast Police Substation			-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115
Police Evidence Facility	CP0695	2018 Public Safety Bond	-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272
Total For Police Evidence Facility			-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272
Total for Police			\$278,206	\$4,124,598	\$19,926,043	\$16,296,039	-	-	-	\$40,624,886

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Acute Angle Taxiways	CP0416	Falcon Field Airport	\$13,314	\$117,248	-	-	-	-	-	\$130,562
		Falcon Field Grants	\$83,861	\$1,182,752	-	-	-	-	-	\$1,266,613
		General Fund	\$148	-	-	-	-	-	-	\$148
Total For Acute Angle Taxiways			\$97,323	\$1,300,000	-	-	-	-	-	\$1,397,323
Airfield Lighting and Signage Upgrade	CP0114	Falcon Field Airport	\$339,695	\$86,228	-	-	-	-	-	\$425,923
		Falcon Field Grants	\$777,409	\$1,638,293	-	-	-	-	-	\$2,415,702
Total For Airfield Lighting and Signage Upgrade			\$1,117,104	\$1,724,521	-	-	-	-	-	\$2,841,625
Airport Historic Zone Improvements	C09036	2014 Wastewater Bond	\$38,444	-	-	-	-	-	-	\$38,444
		Falcon Field Airport	\$1,558,835	\$778,839	\$268,616	-	-	-	-	\$2,606,290
Total For Airport Historic Zone Improvements			\$1,597,279	\$778,839	\$268,616	-	-	-	-	\$2,644,734
Apron Lighting	C06033	Falcon Field Airport	-	-	\$126,267	-	-	-	-	\$126,267
		Falcon Field Grants	-	-	\$1,273,733	-	-	-	-	\$1,273,733
Total For Apron Lighting			-	-	\$1,400,000	-	-	-	-	\$1,400,000
Automated Surface Observing System (ASOS)	C10470	Falcon Field Airport	\$144,797	\$4,303	-	-	-	-	-	\$149,100

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Automated Surface Observing System (ASOS)			\$144,797	\$4,303	-	-	-	-	-	\$149,100
Blast Pads for Runway 4L-22R	C07044	Falcon Field Airport	\$39,733	\$31,585	-	-	-	-	-	\$71,318
		Falcon Field Grants	\$250,113	\$179,850	-	-	-	-	-	\$429,963
Total For Blast Pads for Runway 4L-22R			\$289,846	\$211,435	-	-	-	-	-	\$501,281
City Owned Buildings and Property Improvements	CP0763	Falcon Field Airport	\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674
Total For City Owned Buildings and Property Improvements			\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674
East Side Improvements	CP0690	Falcon Field Airport	-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610
Total For East Side Improvements			-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610
Eastside Taxilane	C06020	Falcon Field Airport	-	-	-	-	\$42,858	\$255,199	-	\$298,057
		Falcon Field Grants	-	-	-	-	\$257,142	\$2,574,350	-	\$2,831,492
Total For Eastside Taxilane			-	-	-	-	\$300,000	\$2,829,549	-	\$3,129,549
Falcon Field Master Plan	CP0256	Falcon Field Airport	\$18,932	\$75,640	-	-	-	-	-	\$94,572
		Falcon Field Grants	\$224,545	\$477,855	-	-	-	-	-	\$702,400
Total For Falcon Field Master Plan			\$243,477	\$553,495	-	-	-	-	-	\$796,972

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Falcon Field Runway 4L22R	CP0761	Falcon Field Airport	-	-	-	-	-	\$106,427	-	\$106,427
		Falcon Field Grants	-	-	-	-	-	\$638,573	-	\$638,573
Total For Falcon Field Runway 4L22R			-	-	-	-	-	\$745,000	-	\$745,000
Falcon Tech Center	CP0746	Falcon Field Airport	\$143,980	\$19,757	-	-	-	-	-	\$163,737
Total For Falcon Tech Center			\$143,980	\$19,757	-	-	-	-	-	\$163,737
Relocation of Taxiway E/FSL	CP0760	Falcon Field Airport	-	-	-	-	\$64,190	-	\$349,201	\$413,391
		Falcon Field Grants	-	-	-	-	\$647,530	-	\$3,522,616	\$4,170,146
Total For Relocation of Taxiway E/FSL			-	-	-	-	\$711,720	-	\$3,871,817	\$4,583,537
Runway 22R Approach Easement	CP0400	Falcon Field Airport	-	-	\$78,069	-	-	-	-	\$78,069
		Falcon Field Grants	-	-	\$468,419	-	-	-	-	\$468,419
Total For Runway 22R Approach Easement			-	-	\$546,488	-	-	-	-	\$546,488
Runway Protection Zone Improvements	CP0398	Falcon Field Airport	\$18,583	-	\$18,038	\$108,228	-	-	-	\$144,849
		Falcon Field Grants	-	-	\$181,962	\$1,091,772	-	-	-	\$1,273,734
Total For Runway Protection Zone Improvements			\$18,583	-	\$200,000	\$1,200,000	-	-	-	\$1,418,583
Stormwater Drainage Plan Update	C06029	Falcon Field Airport	-	\$27,057	-	-	-	-	-	\$27,057

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Stormwater Drainage Plan Update		Falcon Field Grants	-	\$272,943	-	-	-	-	-	\$272,943
Total For Stormwater Drainage Plan Update			-	\$300,000	-	-	-	-	-	\$300,000
Taxiway C and Runway 4R Run-Up Area	CP0719	Falcon Field Airport	\$176,318	\$14,229	-	-	-	-	-	\$190,547
		Falcon Field Grants	\$1,958,003	\$140,415	-	-	-	-	-	\$2,098,418
Total For Taxiway C and Runway 4R Run-Up Area			\$2,134,321	\$154,644	-	-	-	-	-	\$2,288,965
Taxiway C Run-Up Area	CP0691	Falcon Field Airport	-	-	-	\$16,448	\$132,366	-	-	\$148,814
		Falcon Field Grants	-	-	-	\$165,922	\$1,335,264	-	-	\$1,501,186
Total For Taxiway C Run-Up Area			-	-	-	\$182,370	\$1,467,630	-	-	\$1,650,000
Wash Rack Shade Structure	C07039	Falcon Field Airport	\$677,400	\$36,318	-	-	-	-	-	\$713,718
Total For Wash Rack Shade Structure			\$677,400	\$36,318	-	-	-	-	-	\$713,718
Waste Container Enclosures	CP0762	Falcon Field Airport	\$178,388	\$93,000	-	-	-	-	-	\$271,388
Total For Waste Container Enclosures			\$178,388	\$93,000	-	-	-	-	-	\$271,388
Total for Falcon Field Airport			\$6,670,560	\$5,464,282	\$2,576,274	\$1,987,423	\$3,708,682	\$3,749,075	\$4,422,988	\$28,579,284

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Intelligent Transportation System

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Central Traffic Signal System	CP0655	Local Streets Fund	-	-	-	\$718,127	-	-	-	\$718,127
Total For Central Traffic Signal System			-	-	-	\$718,127	-	-	-	\$718,127
East Valley Arterial Congestion Monitoring	CP0419	Grants - Gen. Gov.	\$616,156	\$39,229	-	-	-	-	-	\$655,385
		Local Streets Fund	\$146,935	\$111,692	-	-	-	-	-	\$258,627
Total For East Valley Arterial Congestion Monitoring			\$763,091	\$150,921	-	-	-	-	-	\$914,012
Traffic Signal Cabinet and Controllers Upgrade in East Mesa	CP0653	Grants - Gen. Gov.	-	\$780,000	-	-	-	-	-	\$780,000
		Local Streets Fund	\$75,490	\$615,639	-	-	-	-	-	\$691,129
Total For Traffic Signal Cabinet and Controllers Upgrade in East Mesa			\$75,490	\$1,395,639	-	-	-	-	-	\$1,471,129
Traffic Signals - New and Upgrade	CP0586	Capital - General Fund	\$79,300	\$126,169	-	-	-	-	-	\$205,469
		Local Streets Fund	\$1,112,922	\$3,686,705	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$17,022,126
Total For Traffic Signals - New and Upgrade			\$1,192,222	\$3,812,874	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$17,227,595

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Intelligent Transportation System

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Traffic Signals - Public Safety Opticom	CP0702	Local Streets Fund	\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813
Total For Traffic Signals - Public Safety Opticom			\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813
Total for Intelligent Transportation System			\$2,062,539	\$6,097,231	\$1,713,512	\$2,480,032	\$1,807,954	\$1,855,509	\$5,859,899	\$21,876,676

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Shared Use Paths

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Bike and Ped Pilot projects	CP0531	Local Streets Fund	\$1,964	\$694,540	-	-	-	-	-	\$696,504
Total For Bike and Ped Pilot projects			\$1,964	\$694,540	-	-	-	-	-	\$696,504
Eastern Canal Shared-Use Path: Brown to Broadway	CP0673	2018 Parks Bond	-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781
Total For Eastern Canal Shared-Use Path: Brown to Broadway			-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781
Eastern Canal Shared-Use Path: Lindsay to Brown	CP0867	Local Streets Fund	\$290	\$1,414,992	-	-	-	-	-	\$1,415,282
Total For Eastern Canal Shared-Use Path: Lindsay to Brown			\$290	\$1,414,992	-	-	-	-	-	\$1,415,282
Lehi Crossing Shared-Use Path	CP0672	2018 Parks Bond	-	\$405,710	\$4,567,283	-	-	-	-	\$4,972,993
		Future Park Bond	-	-	-	-	-	-	\$5,491,186	\$5,491,186
Total For Lehi Crossing Shared-Use Path			-	\$405,710	\$4,567,283	-	-	-	\$5,491,186	\$10,464,179
Mesa Gateway Bike and Pedestrian Path Phase 2	CP0529	Grants - Gen. Gov.	-	-	\$2,079,984	-	-	-	-	\$2,079,984
		Local Streets Fund	-	\$378,000	\$2,685,912	-	-	-	-	\$3,063,912
Total For Mesa Gateway Bike and Pedestrian Path Phase 2			-	\$378,000	\$4,765,896	-	-	-	-	\$5,143,896

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Shared Use Paths

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Share-Use Path: Consolidated to Eastern Canal Connection	CP0872	Funding To Be Determined	-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624
Total For Share-Use Path: Consolidated to Eastern Canal Connection			-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624
South Canal Shared-Use Path: Consolidated Canal to McKellips	CP0671	Grants - Gen. Gov.	-	\$2,003,013	-	-	-	-	-	\$2,003,013
		Local Streets Fund	\$92,308	\$527,345	-	-	-	-	-	\$619,653
Total For South Canal Shared-Use Path: Consolidated Canal to McKellips			\$92,308	\$2,530,358	-	-	-	-	-	\$2,622,666
Southeast Mesa Bike & Pedestrian Path	CP0198	2012 Park Bond	\$1,498,330	\$38,482	-	-	-	-	-	\$1,536,812
		Local Streets Fund	\$448,278	\$215,060	-	-	-	-	-	\$663,338
Total For Southeast Mesa Bike & Pedestrian Path			\$1,946,608	\$253,542	-	-	-	-	-	\$2,200,150
Stadium Connector Shared-Use Path	CP0108	2012 Park Bond	\$3,244,927	\$63,472	-	-	-	-	-	\$3,308,399
Total For Stadium Connector Shared-Use Path			\$3,244,927	\$63,472	-	-	-	-	-	\$3,308,399
Total for Shared Use Paths			\$5,286,097	\$6,003,475	\$12,144,593	\$4,795,130	-	-	\$5,491,186	\$33,720,481

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
10th Avenue and Serrine Drainage	CP0558	2014 Water Bond	\$18,070	-	-	-	-	-	-	\$18,070
		Grants - Gen. Gov.	\$189,563	-	-	-	-	-	-	\$189,563
		Highway User Revenue Fund	\$286	\$697,498	-	-	-	-	-	\$697,784
		Local Streets Fund	\$135,640	-	-	-	-	-	-	\$135,640
Total For 10th Avenue and Serrine Drainage			\$343,559	\$697,498	-	-	-	-	-	\$1,041,057
64th Street and Halifax Drainage	CP0817	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	\$2,477	\$846,366	-	-	-	-	-	\$848,843
Total For 64th Street and Halifax Drainage			\$2,477	\$1,096,366	-	-	-	-	-	\$1,098,843
Broadway Road and Lazona Drainage	CP0743	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	\$3,759	\$1,326,460	-	-	-	-	-	\$1,330,219
Total For Broadway Road and Lazona Drainage			\$3,759	\$1,576,460	-	-	-	-	-	\$1,580,219
Firefly Avenue Drainage	CP0726	Environmental Compliance Fee	\$35,077	-	-	-	-	-	-	\$35,077
		Highway User Revenue Fund	\$52,504	\$193,050	-	-	-	-	-	\$245,554
Total For Firefly Avenue Drainage			\$87,581	\$193,050	-	-	-	-	-	\$280,631

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Gilbert Road & Hackamore Drainage	CP0744	Highway User Revenue Fund	\$24,081	\$141,463	-	-	-	-	-	\$165,544
Total For Gilbert Road & Hackamore Drainage			\$24,081	\$141,463	-	-	-	-	-	\$165,544
Horne Storm Drain System	CP0557	Future Street Bond	-	-	-	-	-	-	\$2,483,274	\$2,483,274
		Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	\$3,528	\$2,628,787	-	-	-	-	-	\$2,632,315
		Local Streets Fund	\$1,816,219	\$180,647	-	-	-	-	-	\$1,996,866
Total For Horne Storm Drain System			\$2,069,747	\$2,809,434	-	-	-	-	\$2,483,274	\$7,362,455
Lehi Area Drainage Improvement Project	CP0567	2020 Street Bond	-	-	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,060,831
		Environmental Compliance Fee	\$107,410	\$262,500	-	-	-	-	-	\$369,910
		Highway User Revenue Fund	-	\$338,651	-	-	-	-	-	\$338,651
		Local Streets Fund	-	\$172,725	-	-	-	-	-	\$172,725
Total For Lehi Area Drainage Improvement Project			\$107,410	\$773,876	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,942,117
Main Street and Maple Drainage	CP0741	Environmental Compliance Fee	\$2,483	-	-	-	-	-	-	\$2,483
		Highway User Revenue Fund	\$49,997	\$242,204	-	-	-	-	-	\$292,201
Total For Main Street and Maple Drainage			\$52,480	\$242,204	-	-	-	-	-	\$294,684

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Royal Palms Drainage	CP0556	Grants - Gen. Gov.	\$148,885	-	-	-	-	-	-	\$148,885
		Local Streets Fund	\$117,297	\$166,549	-	-	-	-	-	\$283,846
Total For Royal Palms Drainage			\$266,182	\$166,549	-	-	-	-	-	\$432,731
Skyview Drainage	CP0745	Highway User Revenue Fund	\$108,270	\$856,317	-	-	-	-	-	\$964,587
Total For Skyview Drainage			\$108,270	\$856,317	-	-	-	-	-	\$964,587
Sloan Park Drainage Structure	CP0576	Environmental Compliance Fee	\$195,112	\$232,256	-	-	-	-	-	\$427,368
Total For Sloan Park Drainage Structure			\$195,112	\$232,256	-	-	-	-	-	\$427,368
Somerset Drainage	CP0819	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$664,364	-	-	-	-	-	\$664,364
Total For Somerset Drainage			-	\$914,364	-	-	-	-	-	\$914,364
Sossaman and Main Drainage Ditch	CP0790	Environmental Compliance Fee	\$30,424	\$257,830	-	-	-	-	-	\$288,254
Total For Sossaman and Main Drainage Ditch			\$30,424	\$257,830	-	-	-	-	-	\$288,254
Storm Drain Pump Stations	CP0491	2020 Street Bond	-	-	-	\$1,657,215	\$1,700,528	\$1,745,258	\$3,628,171	\$8,731,172
		Environmental Compliance Fee	-	\$3,213,520	-	-	-	-	-	\$3,213,520
		Future Street Bond	-	-	-	-	-	-	\$1,883,543	\$1,883,543
Total For Storm Drain Pump Stations			-	\$3,213,520	-	\$1,657,215	\$1,700,528	\$1,745,258	\$5,511,714	\$13,828,235

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Summer and Bates Drainage	CP0612	Grants - Gen. Gov.	-	-	\$255,825	-	-	-	-	\$255,825
		Highway User Revenue Fund	-	\$144,546	\$694,615	-	-	-	-	\$839,161
Total For Summer and Bates Drainage			-	\$144,546	\$950,440	-	-	-	-	\$1,094,986
Venture Out Drainage	CP0818	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	\$2,511	\$1,181,727	-	-	-	-	-	\$1,184,238
Total For Venture Out Drainage			\$2,511	\$1,431,727	-	-	-	-	-	\$1,434,238
Total for Storm Sewer			\$3,293,593	\$14,747,460	\$950,440	\$1,657,215	\$2,888,040	\$8,367,956	\$13,245,609	\$45,150,313

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
1st Avenue Improvements	CP0279	2013 Street Bond	\$571,171	\$2,510,701	-	-	-	-	-	\$3,081,872
		2014 Electric Bond	\$2,682	-	-	-	-	-	-	\$2,682
		2014 Gas Bond	\$2,436	-	-	-	-	-	-	\$2,436
		2014 Wastewater Bond	\$34	-	-	-	-	-	-	\$34
		2014 Water Bond	\$725	-	-	-	-	-	-	\$725
		2020 Electric Bond	-	-	-	\$2,287,204	-	-	-	\$2,287,204
		2020 Gas Bond	-	-	-	\$2,166,177	-	-	-	\$2,166,177
		2020 Street Bond	-	-	-	\$542,936	\$5,356,438	-	-	\$5,899,374
		2020 Wastewater Bond	-	-	-	\$521,700	-	-	-	\$521,700
		2020 Water Bond	-	-	-	\$1,990,692	-	-	-	\$1,990,692
		Local Streets Fund	-	\$1,000,000	-	-	-	-	-	\$1,000,000
Total For 1st Avenue Improvements			\$577,048	\$3,510,701	-	\$7,508,709	\$5,356,438	-	-	\$16,952,896
Arterial Reconstruction	CP0439	2008 Street Bond	\$231,987	-	-	-	-	-	-	\$231,987

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Arterial Reconstruction		2010 Gas Bond	\$13,744	-	-	-	-	-	-	\$13,744
		2010 Water Bond	\$219,929	-	-	-	-	-	-	\$219,929
		2013 Street Bond	\$6,948,112	\$2,075,000	-	-	-	-	-	\$9,023,112
		2014 Water Bond	\$361,853	-	-	-	-	-	-	\$361,853
		Local Streets Fund	\$154,687	-	-	-	-	-	-	\$154,687
		Utility Replacement Extension and Renewal - WW	\$54,134	\$12,206	-	-	-	-	-	\$66,340
Total For Arterial Reconstruction			\$7,984,446	\$2,087,206	-	-	-	-	-	\$10,071,652
Arterial Reconstructions	CP0861	2020 Gas Bond	-	-	-	\$568,698	-	-	-	\$568,698
		2020 Street Bond	-	-	-	\$972,233	\$20,298,630	\$9,453,479	-	\$30,724,342
		2020 Water Bond	-	-	-	\$923,718	-	-	-	\$923,718
		Future Street Bond	-	-	-	-	-	-	\$11,507,113	\$11,507,113
Total For Arterial Reconstructions			-	-	-	\$2,464,649	\$20,298,630	\$9,453,479	\$11,507,113	\$43,723,871
Baseline Road: 24th Street to the Consolidated Canal	CP0658	2013 Street Bond	\$426,742	\$4,463,965	-	-	-	-	-	\$4,890,707
Total For Baseline Road: 24th Street to the Consolidated Canal			\$426,742	\$4,463,965	-	-	-	-	-	\$4,890,707

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Bridge Safety Rehabilitation	CP0780	Local Streets Fund	\$78,521	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,305,381
Total For Bridge Safety Rehabilitation			\$78,521	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,305,381
Broadway Road: Country Club to Mesa Drive	CP0029	2020 Electric Bond	-	-	-	\$505,088	\$9,191,436	-	-	\$9,696,524
		2020 Gas Bond	-	-	-	\$116,635	\$1,628,292	-	-	\$1,744,927
		2020 Street Bond	-	-	-	\$1,970,663	\$5,273,948	\$5,412,672	-	\$12,657,283
		2020 Water Bond	-	-	-	\$201,364	\$1,750,336	-	-	\$1,951,700
Total For Broadway Road: Country Club to Mesa Drive			-	-	-	\$2,793,750	\$17,844,012	\$5,412,672	-	\$26,050,434
Broadway Road: Lesueur to Spur	CP0666	2014 Electric Bond	-	\$156,644	-	-	-	-	-	\$156,644
		2014 Gas Bond	-	\$135,482	-	-	-	-	-	\$135,482
		2014 Water Bond	-	\$527,774	-	-	-	-	-	\$527,774
		2020 Electric Bond	-	-	-	\$2,922,965	-	-	-	\$2,922,965
		2020 Gas Bond	-	-	-	\$1,939,446	-	-	-	\$1,939,446
		2020 Street Bond	-	-	-	\$11,670,114	\$9,967,670	-	-	\$21,637,784

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Broadway Road: Lesueur to Spur		2020 Water Bond	-	-	-	\$4,704,160	-	-	-	\$4,704,160
		Local Streets Fund	-	\$1,628,166	-	-	-	-	-	\$1,628,166
Total For Broadway Road: Lesueur to Spur			-	\$2,448,066	-	\$21,236,685	\$9,967,670	-	-	\$33,652,421
Broadway Road Streetscape: Tempe City Limits to Gilbert Road	CP0710	2013 Street Bond	\$579	-	-	-	-	-	-	\$579
		Local Streets Fund	\$372,668	\$1,128,356	-	-	-	-	-	\$1,501,024
Total For Broadway Road Streetscape: Tempe City Limits to Gilbert Road			\$373,247	\$1,128,356	-	-	-	-	-	\$1,501,603
Country Club and Main Improvements	CP0856	2014 Wastewater Bond	-	\$200,000	-	-	-	-	-	\$200,000
		Local Streets Fund	-	\$200,000	-	-	-	-	-	\$200,000
Total For Country Club and Main Improvements			-	\$400,000	-	-	-	-	-	\$400,000
Country Club Underpass	CP0736	Local Streets Fund	\$8,634	\$741,599	-	-	-	-	-	\$750,233
Total For Country Club Underpass			\$8,634	\$741,599	-	-	-	-	-	\$750,233
East Mesa Service Center Wash Rack	CP0348	Environmental Compliance Fee	\$53,749	\$474,851	-	-	-	-	-	\$528,600
		General Fund	\$872	-	-	-	-	-	-	\$872

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
East Mesa Service Center Wash Rack		Local Streets Fund	\$7,215	\$332,085	-	-	-	-	-	\$339,300
Total For East Mesa Service Center Wash Rack			\$61,836	\$806,936	-	-	-	-	-	\$868,772
Eastside Improvements at Phx-Mesa Gateway Airport	CP0217	2013 Street Bond	-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468
Total For Eastside Improvements at Phx-Mesa Gateway Airport			-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468
Economic Development	CP0342	2010 Wastewater Bond	-	\$388,800	\$397,859	\$409,095	-	-	-	\$1,195,754
		2014 Water Bond	-	\$713,733	\$730,362	\$750,993	-	-	-	\$2,195,088
		2020 Street Bond	-	-	-	\$2,000,000	\$2,000,000	\$2,000,000	\$4,000,068	\$10,000,068
Total For Economic Development			-	\$1,102,533	\$1,128,221	\$3,160,088	\$2,000,000	\$2,000,000	\$4,000,068	\$13,390,910
Elliot Road Improvements: Ellsworth to Signal Butte	CP0571	2013 Street Bond	\$794,688	\$5,716,630	-	-	-	-	-	\$6,511,318
		Local Streets Fund	\$284,548	-	-	-	-	-	-	\$284,548
		Transportation	-	\$14,588,531	-	-	-	-	-	\$14,588,531

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Elliot Road Improvements: Ellsworth to Signal Butte			\$1,079,236	\$20,305,161	-	-	-	-	-	\$21,384,397
EVIT Decorative Tree Lighting Project	CP0806	Local Streets Fund	\$100,236	\$8,622	-	-	-	-	-	\$108,858
Total For EVIT Decorative Tree Lighting Project			\$100,236	\$8,622	-	-	-	-	-	\$108,858
Gilbert Road Bridge IGA	CN0056	Local Streets Fund	-	\$700,000	-	-	-	-	-	\$700,000
Total For Gilbert Road Bridge IGA			-	\$700,000	-	-	-	-	-	\$700,000
MAG Projects Local Match	CP0109	Local Streets Fund	-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095
Total For MAG Projects Local Match			-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095
Main Street Tree Revitalization	CP0668	Local Streets Fund	\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452
Total For Main Street Tree Revitalization			\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452
McDowell Underpass Erosion	CP0776	Local Streets Fund	\$7,140	\$1,440,554	-	-	-	-	-	\$1,447,694
Total For McDowell Underpass Erosion			\$7,140	\$1,440,554	-	-	-	-	-	\$1,447,694
Mesa Drive Phase II	C01400	2010 Electric Bond	\$249,250	-	-	-	-	-	-	\$249,250
		2010 Gas Bond	\$11,181	-	-	-	-	-	-	\$11,181
		2010 Water Bond	\$83,169	-	-	-	-	-	-	\$83,169
		2013 Street Bond	\$1,474,607	\$6,000,000	\$6,446,790	-	-	-	\$13,921,397	
		2014 Electric Bond	-	\$2,772,251	-	-	-	-	\$2,772,251	

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Mesa Drive Phase II		2014 Wastewater Bond	\$6,479	\$159,067	-	-	-	-	-	\$165,546
		2014 Water Bond	-	\$1,842,810	-	-	-	-	-	\$1,842,810
		Transportation	-	-	\$7,980,794	-	-	-	-	\$7,980,794
		Utility Replacement Extension and Renewal - WW	-	\$203,050	-	-	-	-	-	\$203,050
Total For Mesa Drive Phase II			\$1,824,686	\$10,977,178	\$14,427,584	-	-	-	-	\$27,229,448
Pavement Rehab-Adobe Rd-Higley to Recker (IGA)	CN0062	2013 Street Bond	-	\$68,097	-	-	-	-	-	\$68,097
Total For Pavement Rehab-Adobe Rd-Higley to Recker (IGA)			-	\$68,097	-	-	-	-	-	\$68,097
Pecos Road Improvements: Ellsworth Road to Meridian Road	C06040	2020 Street Bond	-	-	-	\$10,000,000	-	-	-	\$10,000,000
		Future Street Bond	-	-	-	-	-	-	\$43,890,914	\$43,890,914
Total For Pecos Road Improvements: Ellsworth Road to Meridian Road			-	-	-	\$10,000,000	-	-	\$43,890,914	\$53,890,914
Pedestrian Connection West of Dobson Road	CP0281	Local Streets Fund	-	-	\$225,126	-	-	-	-	\$225,126
Total For Pedestrian Connection West of Dobson Road			-	-	\$225,126	-	-	-	-	\$225,126

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Power Road Improvements: East Maricopa Floodway to Loop 202	CP0104	2020 Street Bond	-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372
Total For Power Road Improvements: East Maricopa Floodway to Loop 202			-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372
Railroad Quiet Zone	CP0426	Local Streets Fund	\$720,399	\$66,592	-	-	-	-	-	\$786,991
Total For Railroad Quiet Zone			\$720,399	\$66,592	-	-	-	-	-	\$786,991
Rail Road ROW Improvements	CP0660	Local Streets Fund	\$7,908	\$72,558	-	-	-	-	-	\$80,466
Total For Rail Road ROW Improvements			\$7,908	\$72,558	-	-	-	-	-	\$80,466
Rio Salado Pathway-Public Art Project	CN0065	Local Streets Fund	-	\$50,000	-	-	-	-	-	\$50,000
Total For Rio Salado Pathway-Public Art Project			-	\$50,000	-	-	-	-	-	\$50,000
Roosevelt Road Improvements: Broadway Road to 8th Avenue	CP0528	2014 Wastewater Bond	\$42,354	-	-	-	-	-	-	\$42,354
		Local Streets Fund	\$156,044	\$831,497	-	-	-	-	-	\$987,541
Total For Roosevelt Road Improvements: Broadway Road to 8th Avenue			\$198,398	\$831,497	-	-	-	-	-	\$1,029,895

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Signal Butte Road Improvements: Williams Field to Pecos	CP0729	2020 Street Bond	-	-	-	\$8,786,540	-	-	-	\$8,786,540
		Local Streets Fund	-	\$1,044,816	-	-	-	-	-	\$1,044,816
Total For Signal Butte Road Improvements: Williams Field to Pecos			-	\$1,044,816	-	\$8,786,540	-	-	-	\$9,831,356
Southern Avenue and Stapley Drive Intersection	CP0800	2010 Gas Bond	\$9,848	\$228,956	\$2,903,409	-	-	-	-	\$3,142,213
		2014 Water Bond	\$3,798	\$276,866	-	-	-	-	-	\$280,664
		Grants - Gen. Gov.	-	-	\$6,315,471	-	-	-	-	\$6,315,471
		Local Streets Fund	\$121,453	\$781,524	-	-	-	-	-	\$902,977
		Transportation	-	\$660,975	\$7,871,513	-	-	-	-	\$8,532,488
Total For Southern Avenue and Stapley Drive Intersection			\$135,099	\$1,948,321	\$17,090,393	-	-	-	-	\$19,173,813
Southern Avenue & Country Club Drive Roadways	CP0844	2020 Electric Bond	-	-	-	\$29,193	\$370,745	-	-	\$399,938

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Southern Avenue & Country Club Drive Roadways		2020 Gas Bond	-	-	-	\$81,905	\$2,007,144	-	-	\$2,089,049
		2020 Street Bond	-	-	-	\$691,682	\$10,443,856	-	-	\$11,135,538
		2020 Wastewater Bond	-	-	-	\$620,509	-	-	-	\$620,509
		2020 Water Bond	-	-	-	\$4,108,883	-	-	-	\$4,108,883
Total For Southern Avenue & Country Club Drive Roadways			-	-	-	\$5,532,172	\$12,821,745	-	-	\$18,353,917
Southern Avenue Improvements: Gilbert Road to Val Vista Dr	CP0061	2014 Wastewater Bond	-	-	\$24,401	-	-	-	-	\$24,401
		2014 Water Bond	-	-	\$151,858	-	-	-	-	\$151,858
		2020 Wastewater Bond	-	-	-	\$253,296	-	-	-	\$253,296
		2020 Water Bond	-	-	-	\$1,577,080	-	-	-	\$1,577,080

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Southern Avenue Improvements: Gilbert Road to Val Vista Dr		Transportation	-	-	\$1,137,404	\$6,000,420	-	-	-	\$7,137,824
Total For Southern Avenue Improvements: Gilbert Road to Val Vista Dr			-	-	\$1,313,663	\$7,830,796	-	-	-	\$9,144,459
Southern Avenue Improvements: Greenfield to Higley	CP0700	2010 Gas Bond	\$376	-	-	-	-	-	-	\$376
		2013 Street Bond	\$384,161	\$598,902	-	-	-	-	-	\$983,063
		Transportation	\$45	\$6,595,046	-	-	-	-	-	\$6,595,091
Total For Southern Avenue Improvements: Greenfield to Higley			\$384,582	\$7,193,948	-	-	-	-	-	\$7,578,530
Stapley Drive and University Drive Intersection	C05041	2020 Gas Bond	-	-	-	\$20,240	\$502,137	-	-	\$522,377
		2020 Street Bond	-	-	-	\$6,796,989	\$2,952,695	-	-	\$9,749,684
		2020 Water Bond	-	-	-	\$95,684	\$982,243	-	-	\$1,077,927
Total For Stapley Drive and University Drive Intersection			-	-	-	\$6,912,913	\$4,437,075	-	-	\$11,349,988
Street Improvement Cityshare	CN0003	2013 Street Bond	\$650,114	\$1,304,000	-	-	-	-	-	\$1,954,114

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Street Improvement Cityshare		2020 Street Bond	-	-	-	\$400,000	\$400,000	\$400,000	\$800,000	\$2,000,000
		Future Street Bond	-	-	-	-	-	-	\$3,587,700	\$3,587,700
Total For Street Improvement Cityshare			\$650,114	\$1,304,000	-	\$400,000	\$400,000	\$400,000	\$4,387,700	\$7,541,814
Streetlight Spot Improvement	CP0294	2013 Street Bond	\$336,860	-	-	-	-	-	-	\$336,860
		Future Street Bond	-	-	-	-	-	-	\$421,913	\$421,913
		Local Streets Fund	-	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$812,711	\$2,669,603
Total For Streetlight Spot Improvement			\$336,860	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$1,234,624	\$3,428,376
Transportation Neighborhood Improvement Projects	CP0532	Local Streets Fund	\$413,329	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,113
Total For Transportation Neighborhood Improvement Projects			\$413,329	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,113
UPRR Crossing Improvements: Dobson and Alma School	CP0184	2010 Gas Bond	\$359	-	-	-	-	-	-	\$359
		Grants - Gen. Gov.	-	\$208,592	-	-	-	-	-	\$208,592

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
UPRR Crossing Improvements: Dobson and Alma School		Local Streets Fund	\$40,009	\$41,599	-	-	-	-	-	\$81,608
Total For UPRR Crossing Improvements: Dobson and Alma School			\$40,368	\$250,191	-	-	-	-	-	\$290,559
Val Vista Drive: Baseline Road to US 60	CP0105	2010 Gas Bond	\$1,625	-	-	-	-	-	-	\$1,625
		2013 Street Bond	\$171,605	\$853,470	-	-	-	-	-	\$1,025,075
		Transportation	\$1,244	\$549,150	-	-	-	-	-	\$550,394
Total For Val Vista Drive: Baseline Road to US 60			\$174,474	\$1,402,620	-	-	-	-	-	\$1,577,094
Val Vista Drive: Pueblo to US 60	CP0062	2020 Gas Bond	-	-	-	\$130,476	\$2,234,569	-	-	\$2,365,045
		2020 Water Bond	-	-	-	\$183,394	\$1,900,690	-	-	\$2,084,084
		Transportation	-	-	-	\$1,915,491	\$6,076,662	-	-	\$7,992,153
Total For Val Vista Drive: Pueblo to US 60			-	-	-	\$2,229,361	\$10,211,921	-	-	\$12,441,282
Total for Streets			\$15,631,891	\$69,349,564	\$37,749,683	\$82,777,172	\$86,652,753	\$45,598,076	\$67,344,315	\$405,103,454

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Transit

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Bus Stop Shelters	CP0809	2020 Street Bond	-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041
Total For Bus Stop Shelters			-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041
Gilbert LRT CNPAs	CP0562	2014 Electric Bond	\$655,624	-	-	-	-	-	-	\$655,624
		2014 Wastewater Bond	\$1,774,679	-	-	-	-	-	-	\$1,774,679
		Utility Replacement Extension and Renewal - WW	\$1,368	\$62,062	-	-	-	-	-	\$63,430
Total For Gilbert LRT CNPAs			\$2,431,671	\$62,062	-	-	-	-	-	\$2,493,733
Gilbert Road Light Rail Extension	CP0296	Transit Fund	\$16,459,063	\$19,847,467	-	-	-	-	-	\$36,306,530
Total For Gilbert Road Light Rail Extension			\$16,459,063	\$19,847,467	-	-	-	-	-	\$36,306,530
Total for Transit			\$18,890,734	\$19,909,529	-	\$276,203	\$283,421	\$290,876	\$298,541	\$39,949,304

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

District Cooling

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Chiller Redundancy Connections	CP0724	District Cooling	-	\$40,000	-	-	-	-	-	\$40,000
Total For Chiller Redundancy Connections			-	\$40,000	-	-	-	-	-	\$40,000
Total for District Cooling			-	\$40,000	-	-	-	-	-	\$40,000

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Electric Distribution Overhead	CP0458	2014 Electric Bond	\$1,733,414	\$577,475	\$416,026	-	-	-	-	\$2,726,915
		2020 Electric Bond	-	-	-	\$630,326	\$646,800	\$663,812	\$681,305	\$2,622,243
		Future Electric Bond	-	-	-	-	-	-	\$1,415,087	\$1,415,087
Total For Electric Distribution Overhead			\$1,733,414	\$577,475	\$416,026	\$630,326	\$646,800	\$663,812	\$2,096,392	\$6,764,245
Electric Distribution Underground	CP0459	2014 Electric Bond	\$846,680	\$536,614	\$549,806	-	-	-	-	\$1,933,100
		2020 Electric Bond	-	-	-	\$2,596,466	\$2,664,327	\$2,701,965	\$2,773,166	\$10,735,924
		Future Electric Bond	-	-	-	-	-	-	\$5,759,932	\$5,759,932
Total For Electric Distribution Underground			\$846,680	\$536,614	\$549,806	\$2,596,466	\$2,664,327	\$2,701,965	\$8,533,098	\$18,428,956
Electric Generation	CP0082	2014 Electric Bond	-	\$292,793	\$299,615	-	-	-	-	\$592,408
		2020 Electric Bond	-	-	-	\$308,077	\$316,129	\$324,444	\$332,993	\$1,281,643
		Future Electric Bond	-	-	-	-	-	-	\$691,636	\$691,636
Total For Electric Generation			-	\$292,793	\$299,615	\$308,077	\$316,129	\$324,444	\$1,024,629	\$2,565,687
Electric Metering	CP0435	Utility Replacement Extension and Renewal	\$141,051	-	-	-	-	-	-	\$141,051

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Electric Metering		Utility Replacement Extension and Renewal - ELC	\$302,076	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,344,408
Total For Electric Metering			\$443,127	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,485,459
Electric Smart Grid	CP0081	2014 Electric Bond	-	\$275,225	\$119,845	-	-	-	-	\$395,070
		2020 Electric Bond	-	-	-	\$123,230	-	-	-	\$123,230
Total For Electric Smart Grid			-	\$275,225	\$119,845	\$123,230	-	-	-	\$518,300
Electric Substation Improvements	CP0461	2014 Electric Bond	\$1,369,147	\$2,568,962	-	-	-	-	-	\$3,938,109
		Utility Replacement Extension and Renewal	\$67,332	-	-	-	-	-	-	\$67,332
Total For Electric Substation Improvements			\$1,436,479	\$2,568,962	-	-	-	-	-	\$4,005,441
Electric Systems Retirements	CP0591	Electric	\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337
Total For Electric Systems Retirements			\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337
New Electric Services	CP0534	2014 Electric Bond	\$1,064,817	\$392,761	\$394,330	-	-	-	-	\$1,851,908
		2020 Electric Bond	-	-	-	\$1,232,305	\$1,264,513	\$1,297,773	\$1,331,971	\$5,126,562
		Future Electric Bond	-	-	-	-	-	-	\$2,766,537	\$2,766,537
Total For New Electric Services			\$1,064,817	\$392,761	\$394,330	\$1,232,305	\$1,264,513	\$1,297,773	\$4,098,508	\$9,745,007

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Substation to Park Conversion	CP0522	2014 Electric Bond	\$2,218	\$191,572	-	-	-	-	-	\$193,790
		Electric	\$42,004	\$114,837	-	-	-	-	-	\$156,841
Total For Substation to Park Conversion			\$44,222	\$306,409	-	-	-	-	-	\$350,631
Total for Electric			\$5,579,931	\$5,627,581	\$2,365,483	\$5,518,996	\$5,522,808	\$5,625,217	\$17,765,047	\$48,005,063

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Environment and Sustainability

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Food to Energy Project	CP0870	Environmental Compliance Fee	\$840	\$400,000	-	-	-	-	-	\$400,840
Total For Food to Energy Project			\$840	\$400,000	-	-	-	-	-	\$400,840
Household Hazardous Waste Facility	CP0588	1994 Solid Waste Bond	\$1,587,546	\$2,605,623	-	-	-	-	-	\$4,193,169
		Environmental Compliance Fee	\$345,025	\$31,491	-	-	-	-	-	\$376,516
Total For Household Hazardous Waste Facility			\$1,932,571	\$2,637,114	-	-	-	-	-	\$4,569,685
Total for Environment and Sustainability			\$1,933,411	\$3,037,114	-	-	-	-	-	\$4,970,525

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Gas Aging Infrastructure Replacement	CP0483	2014 Gas Bond	\$3,752,703	\$2,183,598	\$2,053,141	-	-	-	-	\$7,989,442
		2020 Gas Bond	-	-	-	\$3,721,836	\$3,764,189	\$3,992,152	\$4,167,824	\$15,646,001
		Future Gas Bond	-	-	-	-	-	-	\$8,880,949	\$8,880,949
Total For Gas Aging Infrastructure Replacement			\$3,752,703	\$2,183,598	\$2,053,141	\$3,721,836	\$3,764,189	\$3,992,152	\$13,048,773	\$32,516,392
Gas Line Retirements	CP0563	Natural Gas	\$377,302	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,444,841
Total For Gas Line Retirements			\$377,302	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,444,841
Gas Main Replacements - Magma Service Area	CP0482	2014 Gas Bond	\$115	\$587,853	\$640,655	-	-	-	-	\$1,228,623
		2020 Gas Bond	-	-	-	\$702,815	\$770,898	\$844,100	\$924,296	\$3,242,109
		Future Gas Bond	-	-	-	-	-	-	\$2,117,572	\$2,117,572
Total For Gas Main Replacements - Magma Service Area			\$115	\$587,853	\$640,655	\$702,815	\$770,898	\$844,100	\$3,041,868	\$6,588,304

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Gas Meters New and Replacement	CP0711	2014 Gas Bond	\$1,421,321	\$446,023	\$454,502	-	-	-	-	\$2,321,846
		2020 Gas Bond	-	-	-	\$493,932	\$492,621	\$505,578	\$518,901	\$2,011,032
		Future Gas Bond	-	-	-	-	-	-	\$1,077,771	\$1,077,771
Total For Gas Meters New and Replacement			\$1,421,321	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,410,649
Gas Meters: New and Replacement	CP0496	Natural Gas	\$1,667	-	-	-	-	-	-	\$1,667
		Utility Replacement Extension and Renewal	\$571,672	-	-	-	-	-	-	\$571,672
		Utility Replacement Extension and Renewal - GAS	\$970,508	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$4,959,836
Total For Gas Meters: New and Replacement			\$1,543,847	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,533,175
High Pressure Gas Main Installations	CP0442	2014 Gas Bond	\$177,954	\$839,108	\$901,593	-	-	-	-	\$1,918,655
		2020 Gas Bond	-	-	-	\$973,409	\$1,048,792	\$1,130,198	\$1,217,979	\$4,370,378
		Future Gas Bond	-	-	-	-	-	-	\$2,720,370	\$2,720,370
Total For High Pressure Gas Main Installations			\$177,954	\$839,108	\$901,593	\$973,409	\$1,048,792	\$1,130,198	\$3,938,349	\$9,009,403
McKellips Road Gas Line: Lindsay to Val Vista	C10374	2020 Gas Bond	-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For McKellips Road Gas Line: Lindsay to Val Vista			-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959
McKellips Road Natural Gas Line: Country Club to Loop 202	CP0221	2020 Gas Bond	-	-	-	\$29,297	\$354,746	-	-	\$384,043
Total For McKellips Road Natural Gas Line: Country Club to Loop 202			-	-	-	\$29,297	\$354,746	-	-	\$384,043
Replace Aging Utility Infrastructure	CP0649	2020 Gas Bond	-	-	-	\$1,996,134	-	-	-	\$1,996,134
		2020 Wastewater Bond	-	-	-	\$581,673	\$6,565,860	-	-	\$7,147,533
		2020 Water Bond	-	-	-	\$558,445	\$5,902,321	-	-	\$6,460,766
Total For Replace Aging Utility Infrastructure			-	-	-	\$3,136,252	\$12,468,181	-	-	\$15,604,433
Rio Salado Parkway Utility Line Replacement	C10385	2020 Gas Bond	-	-	-	\$81,545	-	-	-	\$81,545
		2020 Water Bond	-	-	-	\$461,859	-	-	-	\$461,859
Total For Rio Salado Parkway Utility Line Replacement			-	-	-	\$543,404	-	-	-	\$543,404
SCADA System for the Natural Gas Distribution System	C01886	2010 Gas Bond	\$100	-	-	-	-	-	-	\$100
		2014 Gas Bond	\$100,473	\$142,943	-	-	-	-	-	-

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For SCADA System for the Natural Gas Distribution System			\$100,573	\$142,943	-	-	-	-	-	\$243,516
Stapley Road Utility Line: University to McKellips	CP0219	2020 Gas Bond	-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697
Total For Stapley Road Utility Line: University to McKellips			-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697
University Drive Utility Line: Alma School to Country Club	CP0220	2010 Gas Bond	-	-	\$35,718	-	-	-	-	\$35,718
		2020 Gas Bond	-	-	-	\$902,876	-	-	-	\$902,876
Total For University Drive Utility Line: Alma School to Country Club			-	-	\$35,718	\$902,876	-	-	-	\$938,594
Utility Line Replacement in Quarter Sections 12B & 12D	C10584	2010 Gas Bond	-	-	\$290,079	-	-	-	-	\$290,079
		2020 Gas Bond	-	-	-	\$5,248,717	-	-	-	\$5,248,717
		2020 Wastewater Bond	-	-	-	-	-	\$614,666	\$7,008,878	\$7,623,544
Total For Utility Line Replacement in Quarter Sections 12B & 12D			-	-	\$290,079	\$5,248,717	-	\$614,666	\$7,008,878	\$13,162,340

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Utility Line Replacement in Quarter Sections 14A & 14C	C10585	2010 Gas Bond	-	-	\$396,685	-	-	-	-	\$396,685
		2020 Gas Bond	-	-	-	\$6,318,681	-	-	-	\$6,318,681
Total For Utility Line Replacement in Quarter Sections 14A & 14C			-	-	\$396,685	\$6,318,681	-	-	-	\$6,715,366
Utility Line Replacement in Quarter Sections 20A & 20B	C10381	2020 Gas Bond	-	-	-	\$79,910	\$1,344,079	-	-	\$1,423,989
		2020 Water Bond	-	-	-	\$710,796	\$7,512,544	-	-	\$8,223,340
Total For Utility Line Replacement in Quarter Sections 20A & 20B			-	-	-	\$790,706	\$8,856,623	-	-	\$9,647,329
Utility Line Replacement Quarter Section 21D, Clark, Pepper	C10382	2020 Gas Bond	-	-	-	\$996,892	-	-	-	\$996,892
		2020 Water Bond	-	-	-	\$477,590	\$5,047,747	-	-	\$5,525,337
Total For Utility Line Replacement Quarter Section 21D, Clark, Pepper			-	-	-	\$1,474,482	\$5,047,747	-	-	\$6,522,229

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Utility Line Replacement Quarter Sections 13C, 21A, & 20D	C10380	2010 Gas Bond	-	\$1,546,434	-	-	-	-	-	\$1,546,434
Total For Utility Line Replacement Quarter Sections 13C, 21A, & 20D			-	\$1,546,434	-	-	-	-	-	\$1,546,434
Warner Road Utility Infrastructure: Power to Sossaman	C10562	2020 Gas Bond	-	-	-	\$187,027	\$2,169,652	-	-	\$2,356,679
		2020 Water Bond	-	-	-	\$95,684	\$991,664	-	-	\$1,087,348
Total For Warner Road Utility Infrastructure: Power to Sossaman			-	-	-	\$282,711	\$3,161,316	-	-	\$3,444,027
Total for Natural Gas Aging Infrastructure			\$7,373,815	\$6,334,823	\$5,348,769	\$25,336,284	\$39,038,004	\$9,273,370	\$30,648,070	\$123,353,135

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Growth

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Arizona Farms Road High Pressure Main & Gate Station	CP0517	2020 Gas Bond	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785
Total For Arizona Farms Road High Pressure Main & Gate Station			-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785
EVIT CNG Fueling Station	CP0677	2020 Gas Bond	-	-	-	\$2,506,740	-	-	-	\$2,506,740
Total For EVIT CNG Fueling Station			-	-	-	\$2,506,740	-	-	-	\$2,506,740
Gas New Mains	CP0481	2014 Gas Bond	\$3,024,693	\$2,982,045	\$3,356,472	-	-	-	-	\$9,363,210
		2020 Gas Bond	-	-	-	\$4,702,979	\$5,067,191	\$5,460,499	\$5,884,610	\$21,115,279
		Future Gas Bond	-	-	-	-	-	-	\$13,132,757	\$13,132,757
Total For Gas New Mains			\$3,024,693	\$2,982,045	\$3,356,472	\$4,702,979	\$5,067,191	\$5,460,499	\$19,017,367	\$43,611,246
Gas New Services	CP0480	2014 Gas Bond	\$3,415,253	\$2,751,006	\$2,955,861	-	-	-	-	\$9,122,120
		2020 Gas Bond	-	-	-	\$3,191,306	\$3,438,448	\$3,705,335	\$3,993,128	\$14,328,217
		Future Gas Bond	-	-	-	-	-	-	\$8,907,951	\$8,907,951
Total For Gas New Services			\$3,415,253	\$2,751,006	\$2,955,861	\$3,191,306	\$3,438,448	\$3,705,335	\$12,901,079	\$32,358,288
Higley Regulator Station: McDowell to Thomas	CP0181	2014 Gas Bond	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043
Total For Higley Regulator Station: McDowell to Thomas			\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043
Magma Utility Service Center	CP0071	2020 Gas Bond	-	-	-	\$564,017	-	-	-	\$564,017

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas Growth

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Magma Utility Service Center			-	-	-	\$564,017	-	-	-	\$564,017
Total for Natural Gas Growth			\$6,441,068	\$5,733,051	\$8,090,254	\$10,965,042	\$8,505,639	\$10,023,807	\$40,724,258	\$90,483,119

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Natural Gas System Reinforcement

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Regulator Station Security	C10388	2010 Gas Bond	\$29,079	-	-	-	-	-	-	\$29,079
		2014 Gas Bond	-	\$65,392	\$68,065	-	-	-	-	\$133,457
		2020 Gas Bond	-	-	-	\$71,193	\$74,311	\$77,575	\$80,989	\$304,068
		Future Gas Bond	-	-	-	-	-	-	\$172,638	\$172,638
Total For Regulator Station Security			\$29,079	\$65,392	\$68,065	\$71,193	\$74,311	\$77,575	\$253,627	\$639,242
Total for Natural Gas System Reinforcement			\$29,079	\$65,392	\$68,065	\$71,193	\$74,311	\$77,575	\$253,627	\$639,242

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Contractual Obligations

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
91st Avenue Wastewater Treatment Plant	CN0027	2010 Wastewater Bond	-	\$2,100,000	-	-	-	-	-	\$2,100,000
		2014 Wastewater Bond	\$8,149,428	\$5,213,723	\$5,035,438	\$2,478,729	-	-	-	\$20,877,318
		2020 Wastewater Bond	-	-	-	\$1,812,970	\$3,817,775	\$5,928,335	\$12,324,260	\$23,883,340
		Future Wastewater Bond	-	-	-	-	-	-	\$6,577,450	\$6,577,450
Total For 91st Avenue Wastewater Treatment Plant			\$8,149,428	\$7,313,723	\$5,035,438	\$4,291,699	\$3,817,775	\$5,928,335	\$18,901,710	\$53,438,108
Wastewater Main Oversize & Extensions City Share	CN0063	2010 Wastewater Bond	-	\$162,000	\$165,775	-	-	-	-	\$327,775
		2020 Wastewater Bond	-	-	-	\$170,456	\$174,911	\$179,512	\$184,243	\$709,122
		Future Wastewater Bond	-	-	-	-	-	-	\$382,677	\$382,677
Total For Wastewater Main Oversize & Extensions City Share			-	\$162,000	\$165,775	\$170,456	\$174,911	\$179,512	\$566,920	\$1,419,574

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Contractual Obligations

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total for Wastewater Contractual Obligations			\$8,149,428	\$7,475,723	\$5,201,213	\$4,462,155	\$3,992,686	\$6,107,847	\$19,468,630	\$54,857,682

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Customer Demand - Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
New Lift Stations	CP0617	2020 Wastewater Bond	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257
Total For New Lift Stations			-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257
New Sewer Lines - Other Areas	CP0619	2020 Wastewater Bond	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923
Total For New Sewer Lines - Other Areas			-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923
Odor Control Master Plan	CP0349	2010 Wastewater Bond	\$59,005	\$372,374	-	-	-	-	-	\$431,379
		2020 Wastewater Bond	-	-	-	\$681,826	\$1,749,114	-	-	\$2,430,940
Total For Odor Control Master Plan			\$59,005	\$372,374	-	\$681,826	\$1,749,114	-	-	\$2,862,319
Sewer Line Extensions to Unsewered Areas	CP0624	2014 Wastewater Bond	\$2,884,701	-	-	-	-	-	-	\$2,884,701
		2020 Wastewater Bond	-	-	-	\$568,396	\$2,003,166	\$2,285,168	\$2,126,908	\$6,983,638
		Future Wastewater Bond	-	-	-	-	-	-	\$1,276,053	\$1,276,053
Total For Sewer Line Extensions to Unsewered Areas			\$2,884,701	-	-	\$568,396	\$2,003,166	\$2,285,168	\$3,402,961	\$11,144,392

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Customer Demand - Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total for Wastewater Customer Demand - Citywide			\$2,943,706	\$372,374	-	\$4,458,290	\$13,332,476	\$15,941,084	\$3,402,961	\$40,450,891

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Greenfield Water Reclamation Plant Expansion	CP0067	Capital Programs	\$26,355,312	-	-	-	-	-	-	\$26,355,312
		Greenfield WRP Joint Venture	-	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$181,634,462
Total For Greenfield Water Reclamation Plant Expansion			\$26,355,312	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$207,989,774
Greenfield Water Reclamation Plant Expansion - Mesa Share	CN0015	2010 Wastewater Bond	\$538,059	-	-	-	-	-	-	\$538,059
		2014 Wastewater Bond	\$13,749,751	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,275,332
Total For Greenfield Water Reclamation Plant Expansion - Mesa Share			\$14,287,810	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,813,391
New Sewer Lines - Phx Mesa Gateway Development Plan	CP0620	2014 Wastewater Bond	-	\$260,049	\$1,413,126	\$243,912	\$1,348,726	-	-	\$3,265,813
		2014 Water Bond	-	-	-	\$733,533	\$6,002,912	-	-	\$6,736,445
Total For New Sewer Lines - Phx Mesa Gateway Development Plan			-	\$260,049	\$1,413,126	\$977,445	\$7,351,638	-	-	\$10,002,258

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
New Sewer Lines - Southeast Mesa	CP0618	2020 Wastewater Bond	-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455
Total For New Sewer Lines - Southeast Mesa			-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455
Wastewater Improvements at ASU Polytechnic	CP0805	2010 Wastewater Bond	-	\$212,644	\$2,159,864	-	-	-	-	\$2,372,508
Total For Wastewater Improvements at ASU Polytechnic			-	\$212,644	\$2,159,864	-	-	-	-	\$2,372,508
Williams Field Road Sewer: Ellsworth to Mountain	C10425	2010 Wastewater Bond	-	\$113,847	\$1,226,465	-	-	-	-	\$1,340,312
Total For Williams Field Road Sewer: Ellsworth to Mountain			-	\$113,847	\$1,226,465	-	-	-	-	\$1,340,312
Total for Wastewater Customer Demand - Southeast Mesa			\$40,643,122	\$211,117,330	\$85,039,704	\$1,730,474	\$10,996,285	\$6,548,541	\$5,557,242	\$361,632,698

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Diversion Structure Rehabilitation	CP0598	2014 Wastewater Bond	-	-	\$122,673	-	-	-	-	\$122,673
		2020 Wastewater Bond	-	-	-	\$134,093	\$137,597	\$141,216	\$144,937	\$557,843
		Future Wastewater Bond	-	-	-	-	-	-	\$301,038	\$301,038
Total For Diversion Structure Rehabilitation			-	-	\$122,673	\$134,093	\$137,597	\$141,216	\$445,975	\$981,554
GWRP Headworks/Solids Upgrade	CP0263	Capital Programs	\$105,512	-	-	-	-	-	-	\$105,512
		Greenfield WRP Joint Venture	-	\$777,933	-	-	-	-	-	\$777,933
Total For GWRP Headworks/Solids Upgrade			\$105,512	\$777,933	-	-	-	-	-	\$883,445
GWRP Headworks/Solids Upgrade - CP0263 Mesa Share	CN0014	2006 Wastewater Bond	\$9	-	-	-	-	-	-	\$9
		2014 Wastewater Bond	\$40,493	\$319,154	-	-	-	-	-	\$359,647
Total For GWRP Headworks/Solids Upgrade - CP0263 Mesa Share			\$40,502	\$319,154	-	-	-	-	-	\$359,656
GWRP Major Plant Improvements	CP0625	Greenfield WRP Joint Venture	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834
Total For GWRP Major Plant Improvements			-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
GWRP Major Plant Improvements - CP0625 Mesa Share	CN0035	2020 Wastewater Bond	-	-	-	-	\$1,125,030	\$7,577,210	-	\$8,702,240
		Future Wastewater Bond	-	-	-	-	-	-	\$623,054	\$623,054
Total For GWRP Major Plant Improvements - CP0625 Mesa Share			-	-	-	-	\$1,125,030	\$7,577,210	\$623,054	\$9,325,294
GWRP Miscellaneous Plant Improvements	CP0626	Capital Programs	\$2,685,974	-	-	-	-	-	-	\$2,685,974
		Greenfield WRP Joint Venture	-	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	\$12,870,484
Total For GWRP Miscellaneous Plant Improvements			\$2,685,974	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	\$15,556,458
GWRP Miscellaneous Plant Improvements - CP0626 Mesa Share	CN0036	2014 Wastewater Bond	\$1,144,989	-	-	-	-	-	-	\$1,144,989
		2020 Wastewater Bond	-	-	-	\$519,065	\$1,205,892	\$1,275,497	\$1,309,108	\$4,309,562

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
GWRP Miscellaneous Plant Improvements - CP0626 Mesa Share		Future Wastewater Bond	-	-	-	-	-	-	\$3,146,330	\$3,146,330
		Utility Replacement Extension and Renewal - WW	-	\$104,499	\$106,934	-	-	-	-	\$211,433
Total For GWRP Miscellaneous Plant Improvements - CP0626 Mesa Share			\$1,144,989	\$104,499	\$106,934	\$519,065	\$1,205,892	\$1,275,497	\$4,455,438	\$8,812,314
GWRP Plant Equipment - CP0798 Mesa Share	CN0058	2014 Wastewater Bond	\$31,260	-	-	-	-	-	-	\$31,260
		2020 Wastewater Bond	-	-	-	-	\$386,167	\$306,083	-	\$692,250
Total For GWRP Plant Equipment - CP0798 Mesa Share			\$31,260	-	-	-	\$386,167	\$306,083	-	\$723,510
GWRP Plant Equipment Replacement	CP0798	Capital Programs	\$253,093	-	-	-	-	-	-	\$253,093
		Greenfield WRP Joint Venture	-	-	-	-	\$640,409	\$507,601	-	\$1,148,010
Total For GWRP Plant Equipment Replacement			\$253,093	-	-	-	\$640,409	\$507,601	-	\$1,401,103

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
GWRP Plant Rehabilitation and Equipment - CP0797 Mesa Share	CN0057	2010 Wastewater Bond	\$7,923	\$125,484	-	-	-	-	-	\$133,407
		2020 Wastewater Bond	-	-	-	\$102,785	\$725,279	\$133,637	-	\$961,701
Total For GWRP Plant Rehabilitation and Equipment - CP0797 Mesa Share			\$7,923	\$125,484	-	\$102,785	\$725,279	\$133,637	-	\$1,095,108
GWRP Plant Rehabilitation and Equipment Replacement	CP0797	Capital Programs	\$18,957	-	-	-	-	-	-	\$18,957
		Greenfield WRP Joint Venture	-	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,895,064
Total For GWRP Plant Rehabilitation and Equipment Replacement			\$18,957	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,914,021
GWRP Sludge Line Replacement	CP0590	Capital Programs	\$682,958	-	-	-	-	-	-	\$682,958
		Greenfield WRP Joint Venture	\$1,541	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$11,959,355
Total For GWRP Sludge Line Replacement			\$684,499	\$582,304	-	\$2,159,572	\$2,216,377	\$6,999,561	\$11,959,355	\$12,642,313

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
GWRP Sludge Line Replacement - CP0590 Mesa Share	CN0026	2010 Wastewater Bond	\$286,089	\$243,403	-	-	-	-	-	\$529,492
		2020 Wastewater Bond	-	-	-	-	\$1,302,222	\$1,336,475	\$1,371,693	\$4,010,390
		Future Wastewater Bond	-	-	-	-	-	-	\$2,849,040	\$2,849,040
Total For GWRP Sludge Line Replacement - CP0590 Mesa Share			\$286,089	\$243,403	-	-	\$1,302,222	\$1,336,475	\$4,220,733	\$7,388,922
Lift Station Rehabilitation	CP0599	2014 Wastewater Bond	\$3,185	\$16,330	\$29,840	-	-	-	-	\$49,355
		2020 Wastewater Bond	-	-	-	\$359,095	\$3,120,420	\$105,913	\$299,089	\$3,884,517
		Future Wastewater Bond	-	-	-	-	-	-	\$1,567,018	\$1,567,018
Total For Lift Station Rehabilitation			\$3,185	\$16,330	\$29,840	\$359,095	\$3,120,420	\$105,913	\$1,866,107	\$5,500,890
Manhole Rehabilitation	CP0600	2010 Wastewater Bond	-	\$1,486,102	-	-	-	-	-	\$1,486,102
		Utility Replacement Extension and Renewal - WW	\$228,623	\$938,046	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$11,182,255
Total For Manhole Rehabilitation			\$228,623	\$2,424,148	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$12,668,357

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Metering Station Rehabilitation	CP0616	2014 Wastewater Bond	-	\$22,086	\$22,601	-	-	-	-	\$44,687
		2020 Wastewater Bond	-	-	-	\$30,682	\$31,484	\$32,312	\$33,165	\$127,643
		Future Wastewater Bond	-	-	-	-	-	-	\$68,883	\$68,883
Total For Metering Station Rehabilitation			-	\$22,086	\$22,601	\$30,682	\$31,484	\$32,312	\$102,048	\$241,213
Northwest Water Reclamation Plant Equipment Replacement	CP0811	2010 Wastewater Bond	\$351	-	-	-	-	-	-	\$351
		2020 Wastewater Bond	-	-	-	\$857,964	\$880,388	\$903,545	\$927,355	\$3,569,252
		Future Wastewater Bond	-	-	-	-	-	-	\$2,569,034	\$2,569,034
		Utility Replacement Extension and Renewal - WW	-	\$545,400	\$558,108	-	-	-	-	\$1,103,508
Total For Northwest Water Reclamation Plant Equipment Replacement			\$351	\$545,400	\$558,108	\$857,964	\$880,388	\$903,545	\$3,496,389	\$7,242,145
NWWRP Major Plant Improvements	CP0627	2014 Wastewater Bond	\$171,854	-	-	-	-	-	-	\$171,854
		2020 Wastewater Bond	-	-	-	\$909,101	\$7,696,102	\$8,377,236	-	\$16,982,439

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
NWWRP Major Plant Improvements		Future Wastewater Bond	-	-	-	-	-	-	\$2,066,515	\$2,066,515
Total For NWWRP Major Plant Improvements			\$171,854	-	-	\$909,101	\$7,696,102	\$8,377,236	\$2,066,515	\$19,220,808
NWWRP Miscellaneous Plant Improvements	CP0628	2010 Wastewater Bond	-	\$1,116,200	-	-	-	-	-	\$1,116,200
		2014 Wastewater Bond	\$45,035	-	-	-	-	-	-	\$45,035
		2020 Wastewater Bond	-	-	-	\$863,646	\$932,861	\$4,786,992	\$3,684,852	\$10,268,351
		Future Wastewater Bond	-	-	-	-	-	-	\$4,209,441	\$4,209,441
Total For NWWRP Miscellaneous Plant Improvements			\$45,035	\$1,116,200	-	\$863,646	\$932,861	\$4,786,992	\$7,894,293	\$15,639,027
Odor Control Station Rehabilitation	CP0621	2014 Wastewater Bond	\$8,567	\$317,723	\$48,834	-	-	-	-	\$375,124
		2020 Wastewater Bond	-	-	-	\$210,798	\$1,876,217	\$2,417,432	\$62,030	\$4,566,477
		Future Wastewater Bond	-	-	-	-	-	-	\$197,718	\$197,718
Total For Odor Control Station Rehabilitation			\$8,567	\$317,723	\$48,834	\$210,798	\$1,876,217	\$2,417,432	\$259,748	\$5,139,319
Sewer Line Condition Assessment	CP0622	2014 Wastewater Bond	\$798,407	\$433,620	\$439,303	-	-	-	-	\$1,671,330

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Sewer Line Condition Assessment		2020 Wastewater Bond	-	-	-	\$456,255	\$468,180	\$480,494	\$493,156	\$1,898,085
		Future Wastewater Bond	-	-	-	-	-	-	\$1,024,297	\$1,024,297
Total For Sewer Line Condition Assessment			\$798,407	\$433,620	\$439,303	\$456,255	\$468,180	\$480,494	\$1,517,453	\$4,593,712
Sewer Line Rehabilitation	CP0623	2014 Wastewater Bond	\$281,396	\$197,261	\$201,857	-	-	-	-	\$680,514
		2020 Wastewater Bond	-	-	-	\$3,035,497	\$17,905,747	\$9,000,874	\$2,525,799	\$32,467,917
		Future Wastewater Bond	-	-	-	-	-	-	\$6,784,430	\$6,784,430
		Wastewater	\$1,205	\$25,000	-	-	-	-	-	\$26,205
Total For Sewer Line Rehabilitation			\$282,601	\$222,261	\$201,857	\$3,035,497	\$17,905,747	\$9,000,874	\$9,310,229	\$39,959,066
SEWRP Equipment Replacement	CP0631	2020 Wastewater Bond	-	-	-	\$430,403	\$700,520	\$453,268	\$465,213	\$2,049,404
		Future Wastewater Bond	-	-	-	-	-	-	\$1,095,094	\$1,095,094
		Utility Replacement Extension and Renewal - WW	\$339	\$185,652	\$83,716	-	-	-	-	\$269,707
Total For SEWRP Equipment Replacement			\$339	\$185,652	\$83,716	\$430,403	\$700,520	\$453,268	\$1,560,307	\$3,414,205
SEWRP Major Plant Improvements	CP0629	2020 Wastewater Bond	-	-	-	-	\$1,166,076	\$6,043,577	-	\$7,209,653

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
SEWRP Major Plant Improvements		Future Wastewater Bond	-	-	-	-	-	-	\$774,943	\$774,943
Total For SEWRP Major Plant Improvements			-	-	-	-	\$1,166,076	\$6,043,577	\$774,943	\$7,984,596
SEWRP Miscellaneous Plant Improvements	CP0630	2010 Wastewater Bond	\$3,912	-	-	-	-	-	-	\$3,912
		2014 Wastewater Bond	\$354,348	\$55,000	-	-	-	-	-	\$409,348
		2020 Wastewater Bond	-	-	-	\$2,614,564	\$2,397,182	\$1,195,551	\$1,227,056	\$7,434,353
		Future Wastewater Bond	-	-	-	-	-	-	\$2,831,805	\$2,831,805
		Utility Replacement Extension and Renewal - WW	\$198,454	-	-	-	-	-	-	\$198,454
Total For SEWRP Miscellaneous Plant Improvements			\$556,714	\$55,000	-	\$2,614,564	\$2,397,182	\$1,195,551	\$4,058,861	\$10,877,872
SEWRP Standby Generator Radiator Replacement	CP0632	Utility Replacement Extension and Renewal - WW	\$5,826	\$545,704	-	-	-	-	-	\$551,530
Total For SEWRP Standby Generator Radiator Replacement			\$5,826	\$545,704	-	-	-	-	-	\$551,530

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total for Wastewater Lifecycle			\$7,360,300	\$8,587,101	\$1,869,688	\$13,118,885	\$51,530,218	\$63,840,767	\$63,274,313	\$209,581,272

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Contractual Obligations

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Val Vista Water Treatment Plant - Mesa Share	CN0010	2014 Water Bond	\$9,950,531	\$3,385,652	\$10,446,264	\$2,458,327	-	-	-	\$26,240,774
		2020 Water Bond	-	-	-	\$760,829	\$1,382,539	\$3,878,350	\$8,062,600	\$14,084,318
		Future Water Bond	-	-	-	-	-	-	\$4,185,650	\$4,185,650
Total For Val Vista Water Treatment Plant - Mesa Share			\$9,950,531	\$3,385,652	\$10,446,264	\$3,219,156	\$1,382,539	\$3,878,350	\$12,248,250	\$44,510,742
White Mountain Apache Water Settlement Water Rights	CN0028	2014 Water Bond	-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210
Total For White Mountain Apache Water Settlement Water Rights			-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210
Total for Water Contractual Obligations			\$9,950,531	\$7,085,652	\$14,232,474	\$3,219,156	\$1,382,539	\$3,878,350	\$12,248,250	\$51,996,952

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Desert Wells Groundwater Well: Crismon and Pecos	CP0833	2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
Total For Desert Wells Groundwater Well: Crismon and Pecos			-	-	-	\$278,833	-	-	-	\$278,833
Desert Wells Groundwater Well: Crismon and State Route 24	CP0834	2020 Water Bond	-	-	-	-	-	\$293,647	-	\$293,647
Total For Desert Wells Groundwater Well: Crismon and State Route 24			-	-	-	-	-	\$293,647	-	\$293,647
Desert Wells Groundwater Well: Ellsworth and Pecos	CP0832	2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Total For Desert Wells Groundwater Well: Ellsworth and Pecos			-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Desert Wells Groundwater Well: Germann and Crismon	CP0831	2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
		Future Water Bond	-	-	-	-	-	-	\$2,417,624	\$2,417,624
Total For Desert Wells Groundwater Well: Germann and Crismon			-	-	-	\$278,833	-	-	\$2,417,624	\$2,696,457

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Desert Wells Groundwater Well: Signal Butte and Pecos	CP0836	2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Total For Desert Wells Groundwater Well: Signal Butte and Pecos			-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Transmission Main - Other Areas	CP0646	2020 Water Bond	-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547
Total For Transmission Main - Other Areas			-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547
Water Extensions and Oversized Mains - City Share	CN0064	2014 Water Bond	-	\$200,000	\$204,660	-	-	-	-	\$404,660
		2020 Water Bond	-	-	-	\$210,440	\$215,940	\$221,620	\$227,460	\$875,460
		Future Water Bond	-	-	-	-	-	-	\$472,440	\$472,440
Total For Water Extensions and Oversized Mains - City Share			-	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,752,560
Waterline Replacement	CP0814	2014 Water Bond	\$551,312	\$756,948	\$921,364	-	-	-	-	\$2,229,624
		2020 Water Bond	-	-	-	\$1,603,763	\$1,739,607	\$1,362,681	\$1,675,663	\$6,381,714
		Future Water Bond	-	-	-	-	-	-	\$3,146,060	\$3,146,060
Total For Waterline Replacement			\$551,312	\$756,948	\$921,364	\$1,603,763	\$1,739,607	\$1,362,681	\$4,821,723	\$11,757,398

Major capital improvement projects often require a multi-year design and construction period. Therefore, the amounts reported in this project summary represent the remaining cost of a project and may not be representative of total project cost.

2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Williams Gateway Well #5: Power and Williams Field	CP0830	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total For Williams Gateway Well #5: Power and Williams Field			-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total for Water Customer Demand Citywide			\$551,312	\$956,948	\$1,126,024	\$4,868,539	\$9,442,175	\$22,304,646	\$23,906,056	\$63,155,700

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Drill and Equip Non-Potable Well for Southeast Mesa	CP0826	2020 Water Bond	-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261
Total For Drill and Equip Non-Potable Well for Southeast Mesa			-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261
Future Well 1 on Crismon (between Elliott and Warner)	CP0824	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total For Future Well 1 on Crismon (between Elliott and Warner)			-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Future Well 2 on Crismon (at Warner)	CP0825	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total For Future Well 2 on Crismon (at Warner)			-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
New Pump Station	CP0639	2020 Water Bond	-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,074,462	\$15,276,525
		Future Water Bond	-	-	-	-	-	-	\$23,089	\$23,089
Total For New Pump Station			-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,097,551	\$15,299,614
Signal Butte Water Treatment Plant	C01600	2010 Water Bond	\$4,417	-	-	-	-	-	-	\$4,417
		2014 Water Bond	\$111,479,049	\$10,000,000	-	-	-	-	-	\$121,479,049
Total For Signal Butte Water Treatment Plant			\$111,483,466	\$10,000,000	-	-	-	-	-	\$121,483,466
Signal Butte Water Treatment Plant Expansion	CP0372	2020 Water Bond	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Signal Butte Water Treatment Plant Expansion			-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583
Transmission Mains - Southeast Mesa	CP0645	2014 Water Bond	-	\$265,000	-	-	-	-	-	\$265,000
		2020 Water Bond	-	-	-	\$2,129,999	\$23,073,707	\$164,442	\$4,784,669	\$30,152,817
		Future Water Bond	-	-	-	-	-	-	\$2,982,031	\$2,982,031
Total For Transmission Mains - Southeast Mesa			-	\$265,000	-	\$2,129,999	\$23,073,707	\$164,442	\$7,766,700	\$33,399,848
Waterline from CAP to Signal Butte Water Trtmnt Plant	C01645	2013 Street Bond	\$143,387	-	-	-	-	-	-	\$143,387
		2014 Water Bond	\$10,543,330	-	-	-	-	-	-	\$10,543,330
		Highway User Revenue Fund	\$7,915	\$29,585	-	-	-	-	-	\$37,500
Total For Waterline from CAP to Signal Butte Water Trtmnt Plant			\$10,694,632	\$29,585	-	-	-	-	-	\$10,724,217
Well Collection Lines	CP0648	2020 Water Bond	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329
Total For Well Collection Lines			-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329
Well Site Acquisition	C04048	2014 Water Bond	\$16,426	\$265,000	\$271,175	-	-	-	-	\$552,601
Total For Well Site Acquisition			\$16,426	\$265,000	\$271,175	-	-	-	-	\$552,601

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total for Water Customer Demand - Southeast Mesa			\$122,194,524	\$10,559,585	\$271,175	\$4,761,863	\$38,364,193	\$50,319,265	\$84,810,042	\$311,280,647

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Aging Water Main Repairs	CP0821	2014 Water Bond	-	\$583,000	\$596,584	-	-	-	-	\$1,179,584
		2020 Water Bond	-	-	-	\$613,433	\$629,465	\$646,022	\$663,046	\$2,551,966
		Future Water Bond	-	-	-	-	-	-	\$1,377,163	\$1,377,163
Total For Aging Water Main Repairs			-	\$583,000	\$596,584	\$613,433	\$629,465	\$646,022	\$2,040,209	\$5,108,713
Aging Water Main Replacement and Rehabilitation	CP0822	2014 Water Bond	\$69,837	-	-	-	-	-	-	\$69,837
		2020 Water Bond	-	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$10,271,787	\$32,455,824
		Future Water Bond	-	-	-	-	-	-	\$22,211,130	\$22,211,130
Total For Aging Water Main Replacement and Rehabilitation			\$69,837	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$32,482,917	\$54,736,791
Brown Road Major Plant Improvements	CP0634	2020 Water Bond	-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$3,246,915	\$10,408,776
		Future Water Bond	-	-	-	-	-	-	\$3,061,448	\$3,061,448
Total For Brown Road Major Plant Improvements			-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$6,308,363	\$13,470,224
Brown Road Miscellaneous Plant Improvements	CP0635	2014 Water Bond	\$605	\$453,680	-	-	-	-	-	\$454,285

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Brown Road Miscellaneous Plant Improvements		2020 Water Bond	-	-	-	\$2,539,614	\$8,534,015	\$8,084,089	\$5,849,874	\$25,007,592
		Future Water Bond	-	-	-	-	-	-	\$4,588,456	\$4,588,456
Total For Brown Road Miscellaneous Plant Improvements			\$605	\$453,680	-	\$2,539,614	\$8,534,015	\$8,084,089	\$10,438,330	\$30,050,333
Compliance Equipment at Water Facilities	CP0638	2014 Water Bond	\$128,131	-	-	-	-	-	-	\$128,131
		2020 Wastewater Bond	-	-	-	-	\$362,796	-	-	\$362,796
		2020 Water Bond	-	-	-	\$557,666	\$1,518,013	-	-	\$2,075,679
Total For Compliance Equipment at Water Facilities			\$128,131	-	-	\$557,666	\$1,880,809	-	-	\$2,566,606
Desert Well 18 Equip	C03080	2010 Water Bond	\$39,493	-	-	-	-	-	-	\$39,493
		2014 Water Bond	\$1,306,028	-	-	-	-	-	-	\$1,306,028
		Water	\$45,972	\$200,000	-	-	-	-	-	\$245,972
Total For Desert Well 18 Equip			\$1,391,493	\$200,000	-	-	-	-	-	\$1,591,493
Desert Well 6 and 7 Connection to Falcon Field Zone	CP0021	2010 Water Bond	\$11,810	-	-	-	-	-	-	\$11,810

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Desert Well 6 and 7 Connection to Falcon Field Zone		2020 Water Bond	-	-	-	\$446,133	-	-	-	\$446,133
Total For Desert Well 6 and 7 Connection to Falcon Field Zone			\$11,810	-	-	\$446,133	-	-	-	\$457,943
Desert Well Zone Well Site Acquisition	CP0823	2020 Water Bond	-	-	-	\$278,833	\$286,121	-	-	\$564,954
Total For Desert Well Zone Well Site Acquisition			-	-	-	\$278,833	\$286,121	-	-	\$564,954
Fire Hydrant Meters	CP0320	2014 Water Bond	\$47,745	\$15,900	\$16,271	-	-	-	-	\$79,916
		2020 Water Bond	-	-	-	\$22,307	\$22,890	\$23,492	\$24,111	\$92,800
		Future Water Bond	-	-	-	-	-	-	\$50,079	\$50,079
Total For Fire Hydrant Meters			\$47,745	\$15,900	\$16,271	\$22,307	\$22,890	\$23,492	\$74,190	\$222,795
Fire Hydrant Replacement	CP0636	2014 Water Bond	\$891,689	\$374,710	\$383,441	-	-	-	-	\$1,649,840
		2020 Water Bond	-	-	-	\$481,823	\$494,416	\$507,421	\$520,793	\$2,004,453
		Future Water Bond	-	-	-	-	-	-	\$1,081,699	\$1,081,699
Total For Fire Hydrant Replacement			\$891,689	\$374,710	\$383,441	\$481,823	\$494,416	\$507,421	\$1,602,492	\$4,735,992
Groundwater Treatment-Arsenic	CP0827	2020 Water Bond	-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854
Total For Groundwater Treatment-Arsenic			-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854
Horne Waterline Replacement: Marilyn Ave to Southern Ave	CP0366	2010 Electric Bond	-	\$1,676,812	-	-	-	-	-	\$1,676,812

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Horne Waterline Replacement: Marilyn Ave to Southern Ave		2014 Electric Bond	\$103,165	-	-	-	-	-	-	\$103,165
		2014 Gas Bond	\$98,559	-	-	-	-	-	-	\$98,559
		2014 Wastewater Bond	\$25,711	-	-	-	-	-	-	\$25,711
		2014 Water Bond	\$183,622	-	-	-	-	-	-	\$183,622
Total For Horne Waterline Replacement: Marilyn Ave to Southern Ave			\$411,057	\$1,676,812	-	-	-	-	-	\$2,087,869
Lindsay Pump Stations Rectifier Replacement	CP0855	Utility Replacement Extension and Renewal - WTR	\$24,253	\$133,176	-	-	-	-	-	\$157,429
Total For Lindsay Pump Stations Rectifier Replacement			\$24,253	\$133,176	-	-	-	-	-	\$157,429
Pump Station Rehabilitation	CP0640	2014 Water Bond	\$1,538,779	\$169,494	-	-	-	-	-	\$1,708,273
		2020 Water Bond	-	-	-	\$1,713,150	\$2,490,507	\$646,022	\$663,046	\$5,512,725
		Future Water Bond	-	-	-	-	-	-	\$1,126,769	\$1,126,769

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Pump Station Rehabilitation			\$1,538,779	\$169,494	-	\$1,713,150	\$2,490,507	\$646,022	\$1,789,815	\$8,347,767
Radio Communication Upgrade at Remote Water Facilities	CP0360	2010 Gas Bond	\$3,014	-	-	-	-	-	-	\$3,014
		2014 Wastewater Bond	\$872	-	-	-	-	-	-	\$872
		2014 Water Bond	\$121,347	-	-	\$920,149	-	-	-	\$1,041,496
Total For Radio Communication Upgrade at Remote Water Facilities			\$125,233	-	-	\$920,149	-	-	-	\$1,045,382
Re-drill Groundwater Wells	CP0642	2014 Water Bond	-	-	-	\$687,044	-	-	-	\$687,044
		2020 Water Bond	-	-	-	\$745,222	\$7,473,800	\$5,645,065	\$14,289,531	\$28,153,618
		Future Water Bond	-	-	-	-	-	-	\$443,679	\$443,679
Total For Re-drill Groundwater Wells			-	-	-	\$1,432,266	\$7,473,800	\$5,645,065	\$14,733,210	\$29,284,341
Reservoir Rehabilitation	CP0641	2014 Water Bond	\$210,654	\$1,429,092	\$106,518	-	-	-	-	\$1,746,264
		2020 Water Bond	-	-	-	\$872,101	\$7,761,187	\$140,950	\$144,665	\$8,918,903
		Future Water Bond	-	-	-	-	-	-	\$3,709,113	\$3,709,113

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2019 - 2023 Capital Improvement Program

Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Total For Reservoir Rehabilitation			\$210,654	\$1,429,092	\$106,518	\$872,101	\$7,761,187	\$140,950	\$3,853,778	\$14,374,280
Signal Butte Water Treatment Plant Equipment Replacement	CP0643	2020 Water Bond	-	-	-	\$5,576,660	-	-	-	\$5,576,660
Total For Signal Butte Water Treatment Plant Equipment Replacement			-	-	-	\$5,576,660	-	-	-	\$5,576,660
Val Vista Major Plant Improvements	CP0647	2020 Water Bond	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920
Total For Val Vista Major Plant Improvements			-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920
Water Aging Main Replacement	CP0464	2014 Water Bond	\$4,638,324	\$186,247	\$4,058,257	-	-	-	-	\$8,882,828
Total For Water Aging Main Replacement			\$4,638,324	\$186,247	\$4,058,257	-	-	-	-	\$8,882,828
Water Meter Vault Rehabilitation	CP0860	2014 Water Bond	\$3,036	\$958,770	\$981,109	-	-	-	-	\$1,942,915
		2020 Water Bond	-	-	-	\$1,065,142	\$1,092,981	\$1,121,730	\$1,151,289	\$4,431,142
		Future Water Bond	-	-	-	-	-	-	\$2,391,256	\$2,391,256
Total For Water Meter Vault Rehabilitation			\$3,036	\$958,770	\$981,109	\$1,065,142	\$1,092,981	\$1,121,730	\$3,542,545	\$8,765,313
Water Services Extension & Replacement	CP0650	2014 Water Bond	\$3,982	\$214,120	\$219,109	-	-	-	-	\$437,211
		2020 Water Bond	-	-	-	\$296,678	\$304,432	\$312,440	\$320,673	\$1,234,223

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2019 - 2023 Capital Improvement Program

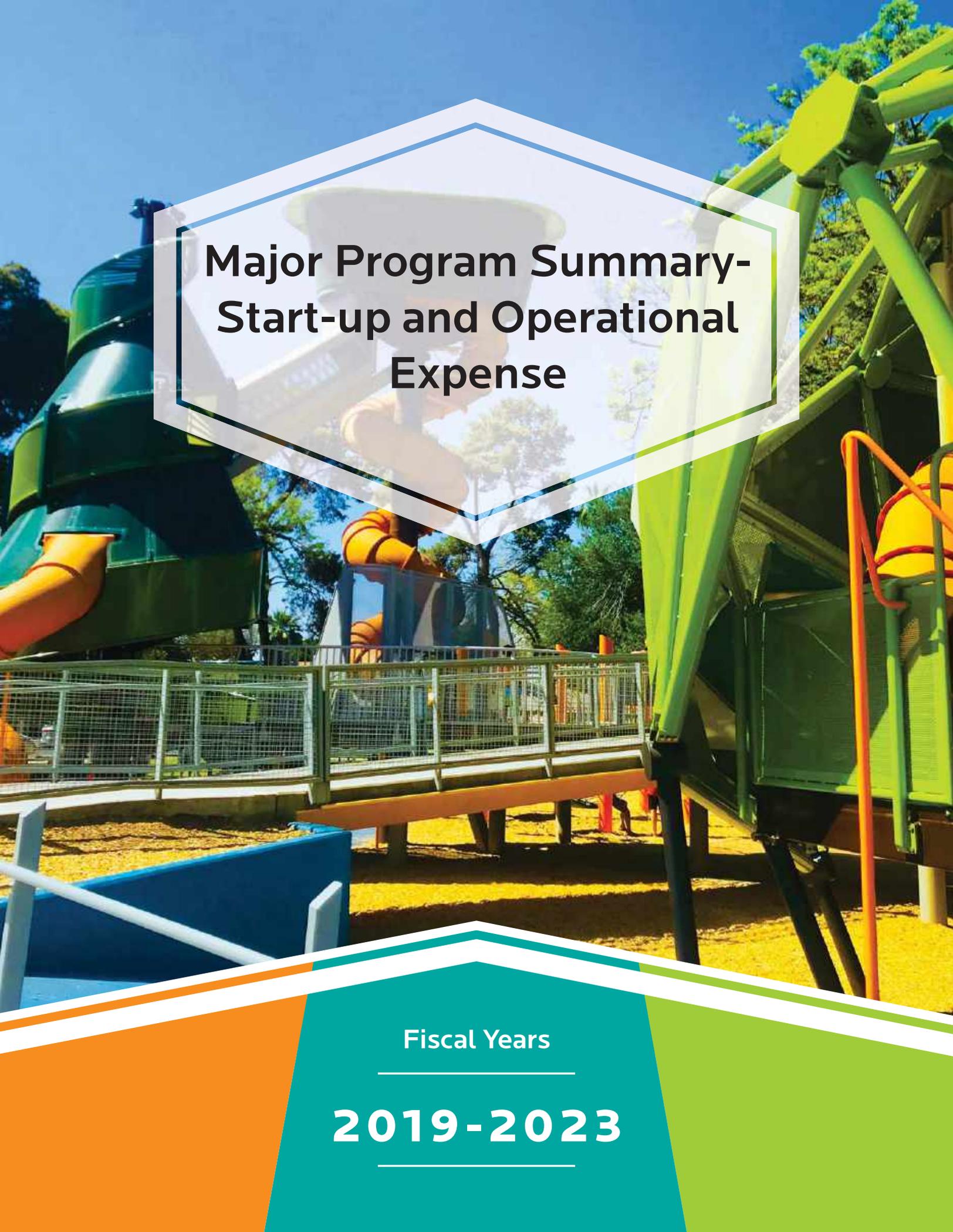
Program Summary - Capital Expenses

Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Total
Water Services Extension & Replacement		Future Water Bond	-	-	-	-	-	-	\$666,046	\$666,046
Total For Water Services Extension & Replacement			\$3,982	\$214,120	\$219,109	\$296,678	\$304,432	\$312,440	\$986,719	\$2,337,480
Water Valve Replacement	CP0651	2014 Water Bond	\$517,962	\$381,600	\$390,491	-	-	-	-	\$1,290,053
		2020 Water Bond	-	-	-	\$474,016	\$486,405	\$499,200	\$512,354	\$1,971,975
		Future Water Bond	-	-	-	-	-	-	\$1,003,936	\$1,003,936
Total For Water Valve Replacement			\$517,962	\$381,600	\$390,491	\$474,016	\$486,405	\$499,200	\$1,516,290	\$4,265,964
Total for Water Lifecycle			\$10,014,590	\$6,776,601	\$6,751,780	\$19,680,136	\$53,173,573	\$31,522,372	\$82,899,879	\$210,818,931

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Major Program Summary- Start-up and Operational Expense

Fiscal Years

2019-2023

Start-up and Operational Expenses Summary

Project Categories

Fire	117
Intelligent Transportation System	118
Parks and Recreation	119
Police	120
Shared Use Paths	121
Storm Sewer	122
Streets	123
Transit.....	125
Wastewater Customer Demand – Southeast Mesa	126
Water Customer Demand – Citywide.....	127
Water Customer Demand – Southeast Mesa.....	128



2019 - 2023 Capital Improvement Program
 Program Summary - Start-up and Operational Expenses

Fire

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Fire Station 221: Eastmark	CP0102	Funding To Be Determined	One Time	-	\$240,973	-	-	-
Fire Station 221: Eastmark	CP0102	Funding To Be Determined	Ongoing	-	\$1,691,987	\$1,751,189	\$1,808,604	\$1,850,489
Fire Station 222: Power Road	C10119	Funding To Be Determined	One Time	-	-	\$247,779	-	-
Fire Station 222: Power Road	C10119	Funding To Be Determined	Ongoing	-	-	\$1,753,614	\$1,811,092	\$1,853,042
Total for Fire				-	\$1,932,960	\$3,752,582	\$3,619,696	\$3,703,531

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
 Program Summary - Start-up and Operational Expenses

Intelligent Transportation System

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Traffic Signals - New and Upgrade	CP0586	Highway User Revenue Fund	Ongoing	\$27,750	\$28,397	\$29,199	\$29,962	\$30,750
Total for Intelligent Transportation System				\$27,750	\$28,397	\$29,199	\$29,962	\$30,750

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2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Parks & Recreation

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Future SE Mesa Park Maintenance	CP0226	General Fund	Ongoing	\$530,000	\$542,349	\$557,666	\$572,241	\$587,293
Signal Butte & Elliot Park Development	CP0121	Environmental Compliance Fee	One Time	\$120,000	-	-	-	-
Signal Butte & Elliot Park Development	CP0121	Environmental Compliance Fee	Ongoing	\$56,978	\$58,306	\$59,952	\$61,519	\$63,137
Signal Butte & Elliot Park Development	CP0121	General Fund	Ongoing	\$56,916	\$58,200	\$59,520	\$60,876	\$62,268
Total for Parks & Recreation				\$763,894	\$658,855	\$677,138	\$694,636	\$712,698

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2019 - 2023 Capital Improvement Program
 Program Summary - Start-up and Operational Expenses

Police

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Northeast Police Substation	CP0737	Funding To Be Determined	One Time	-	\$158,613	-	-	-
Northeast Police Substation	CP0737	Funding To Be Determined	Ongoing	-	\$256,592	\$328,509	\$336,698	\$345,152
Police Evidence Facility	CP0695	Funding To Be Determined	One Time	-	-	\$1,092,533	-	-
Police Evidence Facility	CP0695	Funding To Be Determined	Ongoing	-	-	-	\$891,238	\$913,403
Total for Police				-	\$415,205	\$1,421,042	\$1,227,936	\$1,258,555

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2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Shared Use Paths

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Eastern Canal Shared-Use Path: Brown to Broadway	CP0673	Environmental Compliance Fee	Ongoing	-	-	-	\$5,399	\$5,541
Eastern Canal Shared-Use Path: Brown to Broadway	CP0673	Highway User Revenue Fund	Ongoing	-	-	-	\$10,797	\$11,081
Eastern Canal Shared-Use Path: Lindsay to Brown	CP0867	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
Eastern Canal Shared-Use Path: Lindsay to Brown	CP0867	Highway User Revenue Fund	Ongoing	-	\$4,093	\$4,209	\$4,319	\$4,432
Lehi Crossing Shared-Use Path	CP0672	Environmental Compliance Fee	Ongoing	-	-	\$2,104	\$2,159	\$2,216
Lehi Crossing Shared-Use Path	CP0672	Highway User Revenue Fund	Ongoing	-	-	\$4,209	\$4,319	\$4,432
Mesa Gateway Bike and Pedestrian Path Phase 2	CP0529	Environmental Compliance Fee	Ongoing	-	-	\$2,104	\$2,159	\$4,432
Mesa Gateway Bike and Pedestrian Path Phase 2	CP0529	Highway User Revenue Fund	Ongoing	-	-	\$4,209	\$4,319	\$8,865
Share-Use Path: Consolidated to Eastern Canal Connection	CP0872	Funding To Be Determined	Ongoing	-	-	\$2,104	\$2,159	\$2,216
Share-Use Path: Consolidated to Eastern Canal Connection	CP0872	Funding To Be Determined	Ongoing	-	-	\$4,209	\$4,319	\$4,432
South Canal Shared-Use Path: Consolidated Canal to McKellips	CP0671	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
South Canal Shared-Use Path: Consolidated Canal to McKellips	CP0671	Highway User Revenue Fund	Ongoing	-	\$4,093	\$4,209	\$4,319	\$4,432
Total for Shared Use Paths				-	\$12,280	\$31,565	\$48,586	\$56,511

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Storm Sewer

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
64th Street and Halifax Drainage	CP0817	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
Broadway Road and Lazona Drainage	CP0743	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
Firefly Avenue Drainage	CP0726	Environmental Compliance Fee	Ongoing	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216
Gilbert Road & Hackamore Drainage	CP0744	Environmental Compliance Fee	Ongoing	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216
Horne Storm Drain System	CP0557	Environmental Compliance Fee	Ongoing	\$40,000	\$40,932	\$42,088	\$43,188	\$44,324
Main Street and Maple Drainage	CP0741	Environmental Compliance Fee	Ongoing	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216
Skyview Drainage	CP0745	Environmental Compliance Fee	Ongoing	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216
Somerset Drainage	CP0819	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
Summer and Bates Drainage	CP0612	Environmental Compliance Fee	Ongoing	-	-	\$5,261	\$5,399	\$5,541
Venture Out Drainage	CP0818	Environmental Compliance Fee	Ongoing	-	\$2,047	\$2,104	\$2,159	\$2,216
Total for Storm Sewer				\$48,000	\$57,308	\$64,181	\$65,859	\$67,593

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Streets

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Broadway Road: Lesueur to Spur	CP0666	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,277
Broadway Road: Lesueur to Spur	CP0666	Highway User Revenue Fund	Ongoing	-	-	-	-	\$5,775
Elliot Road Improvements: Ellsworth to Signal Butte	CP0571	Environmental Compliance Fee	Ongoing	\$4,991	\$5,107	\$5,251	\$5,389	\$5,531
Elliot Road Improvements: Ellsworth to Signal Butte	CP0571	Highway User Revenue Fund	Ongoing	\$43,307	\$44,316	\$45,568	\$46,759	\$47,988
Mesa Drive Phase II	C01400	Environmental Compliance Fee	Ongoing	-	\$5,107	\$5,251	\$5,389	\$5,531
Mesa Drive Phase II	C01400	Highway User Revenue Fund	Ongoing	-	\$44,316	\$45,568	\$46,759	\$47,988
Pedestrian Connection West of Dobson Road	CP0281	Environmental Compliance Fee	Ongoing	-	-	\$2,104	\$2,159	\$2,216
Pedestrian Connection West of Dobson Road	CP0281	Highway User Revenue Fund	Ongoing	-	-	\$4,209	\$4,319	\$4,432
Signal Butte Road Improvements: Williams Field to Pecos	CP0729	Environmental Compliance Fee	Ongoing	-	-	-	\$5,389	\$5,531
Signal Butte Road Improvements: Williams Field to Pecos	CP0729	Highway User Revenue Fund	Ongoing	-	-	-	\$46,759	\$47,988
Southern Avenue and Stapley Drive Intersection	CP0800	Environmental Compliance Fee	Ongoing	-	-	\$3,111	\$3,193	\$3,277
Southern Avenue and Stapley Drive Intersection	CP0800	Highway User Revenue Fund	Ongoing	-	-	\$5,484	\$5,627	\$5,775
Southern Avenue & Country Club Drive Roadways	CP0844	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,277
Southern Avenue & Country Club Drive Roadways	CP0844	Highway User Revenue Fund	Ongoing	-	-	-	-	\$5,775
Southern Avenue Improvements: Gilbert Road to Val Vista Dr	CP0061	Environmental Compliance Fee	Ongoing	-	-	-	\$3,440	\$3,531

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program

Program Summary - Start-up and Operational Expenses

Streets

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Southern Avenue Improvements: Gilbert Road to Val Vista Dr	CP0061	Highway User Revenue Fund	Ongoing	-	-	-	\$10,241	\$10,510
Southern Avenue Improvements: Greenfield to Higley	CP0700	Environmental Compliance Fee	Ongoing	-	\$3,260	\$3,352	\$3,440	\$3,531
Southern Avenue Improvements: Greenfield to Higley	CP0700	Highway User Revenue Fund	Ongoing	-	\$9,705	\$9,979	\$10,241	\$10,510
Stapley Drive and University Drive Intersection	C05041	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,277
Stapley Drive and University Drive Intersection	C05041	Highway User Revenue Fund	Ongoing	-	-	-	-	\$5,775
Street Improvement Cityshare	CN0003	Local Streets Fund	Ongoing	-	-	\$92,909	\$95,338	\$97,845
Streetlight Spot Improvement	CP0294	Local Streets Fund	Ongoing	\$7,500	\$15,350	\$15,783	\$16,196	\$16,622
Transportation Neighborhood Improvement Projects	CP0532	Environmental Compliance Fee	Ongoing	\$300	\$307	\$316	\$324	\$332
Transportation Neighborhood Improvement Projects	CP0532	Highway User Revenue Fund	Ongoing	\$500	\$511	\$526	\$540	\$554
Val Vista Drive: Pueblo to US 60	CP0062	Environmental Compliance Fee	Ongoing	-	-	-	-	\$5,531
Val Vista Drive: Pueblo to US 60	CP0062	Highway User Revenue Fund	Ongoing	-	-	-	-	\$47,988
Total for Streets				\$56,598	\$127,979	\$239,411	\$311,502	\$400,367

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
 Program Summary - Start-up and Operational Expenses

Transit

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Gilbert Road Light Rail Extension	CP0296	Environmental Compliance Fee	Ongoing	\$25,000	\$25,583	\$26,305	\$26,993	\$27,703
Gilbert Road Light Rail Extension	CP0296	Transit Fund	Ongoing	-	\$3,126,182	\$3,214,471	\$3,298,484	\$3,385,246
Total for Transit				\$25,000	\$3,151,765	\$3,240,776	\$3,325,477	\$3,412,949

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
 Program Summary - Start-up and Operational Expenses

Wastewater Customer Demand - Southeast Mesa

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Greenfield Water Reclamation Plant Expansion	CP0067	Greenfield WRP Joint Venture	Ongoing	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612
Greenfield Water Reclamation Plant Expansion - Mesa Share	CN0015	Wastewater	Ongoing	-	\$722,453	\$742,856	\$762,271	\$782,322
Total for Wastewater Customer Demand - Southeast Mesa				-	\$2,602,626	\$2,755,249	\$2,827,647	\$2,898,934

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Water Customer Demand Citywide

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Desert Wells Groundwater Well #1- Warner and Ellsworth	CP0829	Water	Ongoing	-	-	-	-	\$57,763
Desert Wells Groundwater Well #2- Warner and Ellsworth	CP0828	Water	Ongoing	-	-	-	-	\$57,763
Desert Wells Groundwater Well: Ellsworth and Pecos	CP0832	Water	Ongoing	-	-	-	-	\$57,763
Desert Wells Groundwater Well: Signal Butte and Pecos	CP0836	Water	Ongoing	-	-	-	-	\$57,763
Falcon Field Groundwater Well	CP0837	Water	Ongoing	-	-	-	-	\$57,763
Williams Gateway Well #5: Power and Williams Field	CP0830	Water	Ongoing	-	-	-	-	\$57,763
Total for Water Customer Demand Citywide				-	-	-	-	\$346,578

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

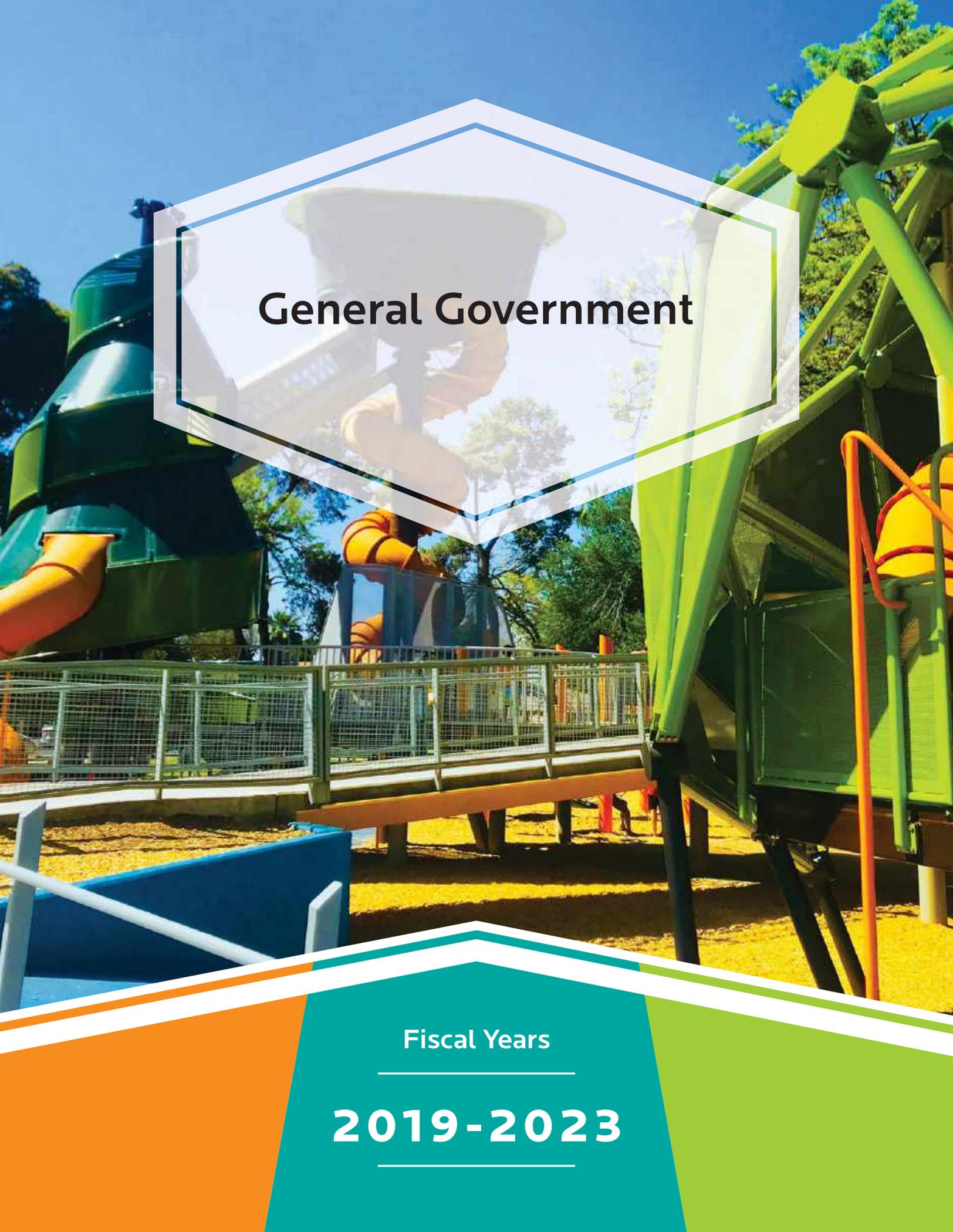
2019 - 2023 Capital Improvement Program
Program Summary - Start-up and Operational Expenses

Water Customer Demand - Southeast Mesa

Project Description	Project Code	Fund	Program Type	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Drill and Equip Non-Potable Well for Southeast Mesa	CP0826	Water	Ongoing	-	-	-	\$55,862	\$57,331
Future Well 1 on Crismon (between Elliott and Warner)	CP0824	Water	Ongoing	-	-	-	-	\$57,763
Future Well 2 on Crismon (at Warner)	CP0825	Water	Ongoing	-	-	-	-	\$57,763
Signal Butte Water Treatment Plant	C01600	Water	Ongoing	\$691,740	\$1,467,996	\$1,509,216	\$1,548,447	\$1,588,956
Total for Water Customer Demand - Southeast Mesa				\$691,740	\$1,467,996	\$1,509,216	\$1,604,309	\$1,761,813

Major capital improvement projects often require a multi-year design and construction period. Therefore, operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.





General Government

Fiscal Years

2019-2023

Project Detail Pages

General Government

City Facilities

AZ Lab Utility Service Entrance Section	133
Convention Center Walkway Lighting.....	134
Downtown Façade Improvements	135
East Mesa Service Center Fleet Cooling Tower Replacement.....	136
East Valley Adult Resources Building	137
Fleet West Roof Replacement	138
Gene Autry Clubhouse Septic System.....	139
Main Library Tower Chiller.....	140
Mesa Family Advocacy HVAC System & Roofing	141
Police Central Division Drain Lines.....	142
Police Headquarters Generator	143
Red Mountain Library Tower Replacement.....	144
Red Mountain Multigenerational Center Chiller Replacement	145
General Government Projects Map	147



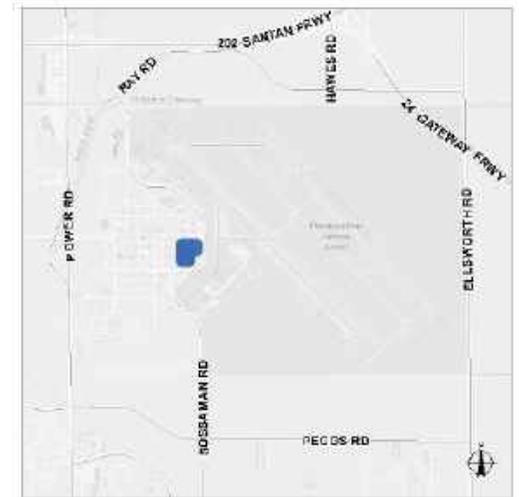
**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0863 - AZ Labs Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Economic Investment Fund	-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167
Total:	-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$6,000	\$17,908	\$22,359	\$2,699	\$13,851	-	\$62,817
Construction	-	\$120,000	\$306,990	\$315,660	-	-	-	\$742,650
Direct Expenses	-	-	\$51,165	\$131,525	\$53,985	\$277,025	-	\$513,700
Total	-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0781 - Downtown Facade Improvement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$4,173	-	-	-	-	-	-	\$4,173
Community Development Block Grant	\$100,000	\$447,000	-	-	-	-	-	\$547,000
Grants - Gen. Gov.	\$22,850	\$195,868	-	-	-	-	-	\$218,718
Total:	\$127,024	\$642,868	-	-	-	-	-	\$769,892

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$5,621	\$31,028	-	-	-	-	-	\$36,649
Construction-Grant	\$7,753	\$607,840	-	-	-	-	-	\$615,593
Design	\$113,650	\$4,000	-	-	-	-	-	\$117,650
Total	\$127,024	\$642,868	-	-	-	-	-	\$769,892

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0681 - East Mesa Service Center Cooling Tower System Replacement

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$1,001,106	\$92,524	-	-	-	-	-	\$1,093,630
Fleet Internal Service	-	-	-	-	-	-	-	-
Local Streets Fund	-	-	-	-	-	-	-	-
Print Shop Internal Service	-	-	-	-	-	-	-	-
Warehouse Internal Service	-	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-	-
Total:	\$1,001,106	\$92,524	-	-	-	-	-	\$1,093,630

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$44,058	\$7,000	-	-	-	-	-	\$51,058
Construction	\$914,755	\$80,000	-	-	-	-	-	\$994,755
Design	\$42,293	\$5,524	-	-	-	-	-	\$47,817
Total	\$1,001,106	\$92,524	-	-	-	-	-	\$1,093,630

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0793 - Fleet West Roof Replacement

Project Description

Replace Fleet West roof.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Fleet Internal Service	\$12,929	\$352,090	-	-	-	-	-	\$365,019
Total:	\$12,929	\$352,090	-	-	-	-	-	\$365,019

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$574	\$16,879	-	-	-	-	-	\$17,453
Construction	\$1,788	\$330,671	-	-	-	-	-	\$332,459
Design	\$10,567	\$4,540	-	-	-	-	-	\$15,107
Total	\$12,929	\$352,090	-	-	-	-	-	\$365,019

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0688 - Gene Astry Clubhouse Septic System

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$23,872	\$505,300	-	-	-	-	-	\$529,172
Total:	\$23,872	\$505,300	-	-	-	-	-	\$529,172

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$985	\$24,250	-	-	-	-	-	\$25,235
Construction	\$15,618	\$407,000	-	-	-	-	-	\$422,618
Design	\$7,269	\$74,050	-	-	-	-	-	\$81,319
Total	\$23,872	\$505,300	-	-	-	-	-	\$529,172

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0820 - Main Library Tower Chiller

Project Description

Replace the three chillers, two large air handlers, piping and pump systems at the Main Library.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$185,000	-	-	-	-	-	\$185,000
Total:	-	\$185,000	-	-	-	-	-	\$185,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$8,810	-	-	-	-	-	\$8,810
Design	-	\$176,190	-	-	-	-	-	\$176,190
Total	-	\$185,000	-	-	-	-	-	\$185,000

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0770 - Mesa Family Advocacy HVAC System & Roofing

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$18,700	\$421,647	-	-	-	-	-	\$440,347
Total:	\$18,700	\$421,647	-	-	-	-	-	\$440,347

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$465	\$20,522	-	-	-	-	-	\$20,987
Construction	\$118	\$380,833	-	-	-	-	-	\$380,951
Design	\$18,116	\$20,292	-	-	-	-	-	\$38,408
Total	\$18,700	\$421,647	-	-	-	-	-	\$440,347

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0679 - Police Central Division Drain Lines

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
Total:	-	\$210,000	-	-	-	-	-	\$210,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$10,000	-	-	-	-	-	\$10,000
Construction	-	\$200,000	-	-	-	-	-	\$200,000
Total	-	\$210,000	-	-	-	-	-	\$210,000

General Government Major Program Detail Fiscal Years 2019 - 2023

City Facilities

CP0785 - Police Headquarters Generator

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$53,828	\$570,405	-	-	-	-	-	\$624,233
Total:	\$53,828	\$570,405	-	-	-	-	-	\$624,233

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$2,408	-	-	-	-	-	-	\$2,408
Construction	\$2,400	\$570,405	-	-	-	-	-	\$572,805
Design	\$49,020	-	-	-	-	-	-	\$49,020
Total	\$53,828	\$570,405	-	-	-	-	-	\$624,233

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0799 - Red Mountain Library Tower Replacement

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$560,000	-	-	-	-	-	\$560,000
Total:	-	\$560,000	-	-	-	-	-	\$560,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$26,666	-	-	-	-	-	\$26,666
Construction	-	\$476,191	-	-	-	-	-	\$476,191
Design	-	\$57,143	-	-	-	-	-	\$57,143
Total	-	\$560,000	-	-	-	-	-	\$560,000

**General Government Major Program Detail
Fiscal Years 2019 - 2023**

City Facilities

CP0767 - Red Mountain Multigenerational Center Chiller Replacement

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$114,812	\$1,217,236	-	-	-	-	-	\$1,332,048
Total:	\$114,812	\$1,217,236	-	-	-	-	-	\$1,332,048

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$4,920	\$58,566	-	-	-	-	-	\$63,486
Construction	-	\$976,155	-	-	-	-	-	\$976,155
Design	\$109,893	\$182,515	-	-	-	-	-	\$292,408
Total	\$114,812	\$1,217,236	-	-	-	-	-	\$1,332,048





City of Mesa

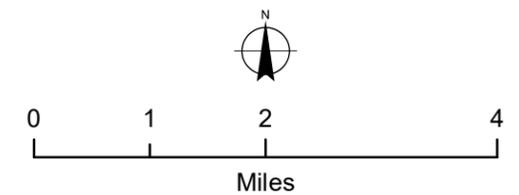
Five-Year Capital Improvement Program
FY 2019 - 2023

GENERAL GOVERNMENT

- Canal
- Projects
- Council District 1
- Council District 2
- Council District 3
- Council District 4
- Council District 5
- Council District 6

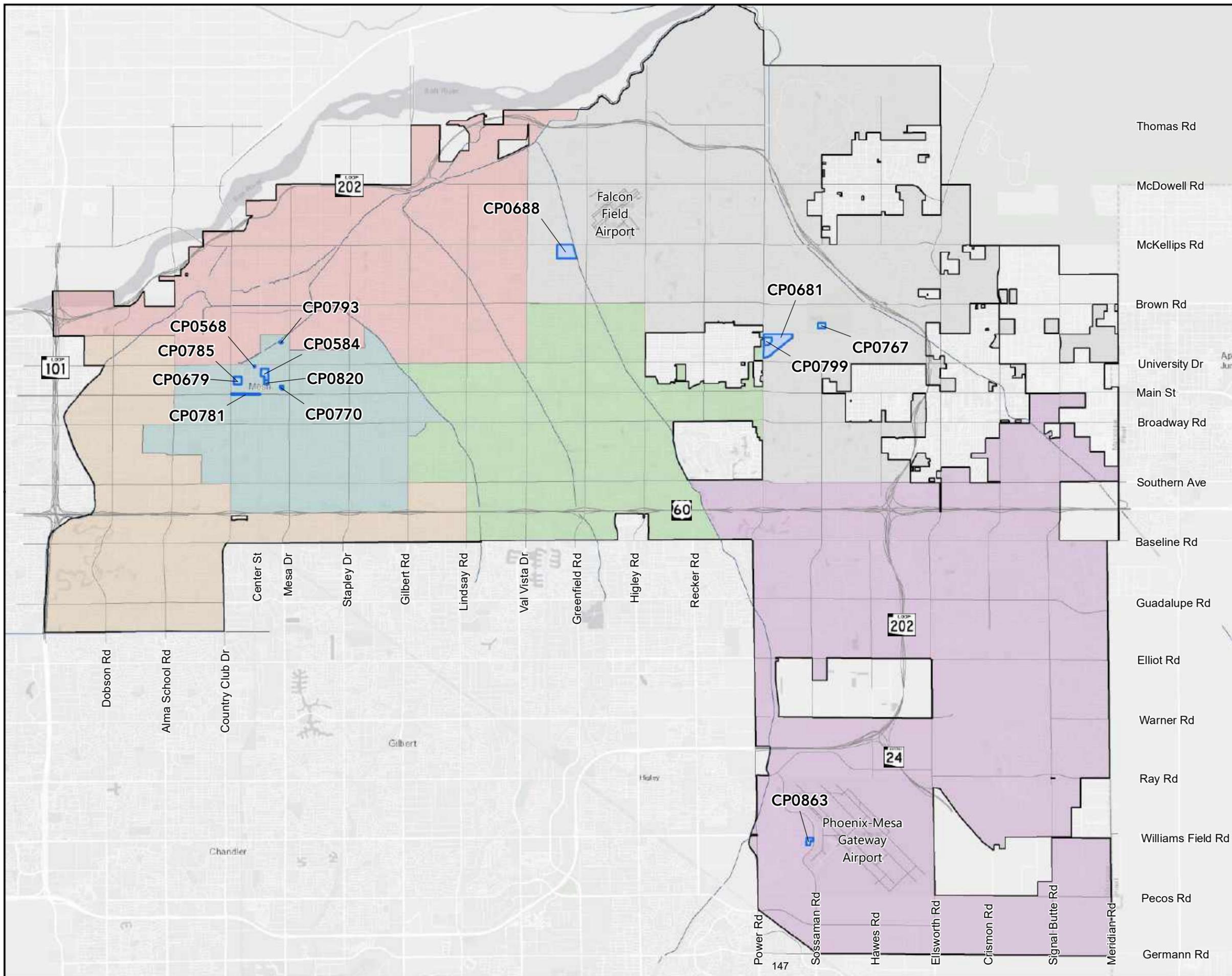
Citywide, External or Location TBD Projects

(none)



MAP CREATION DATE: 6/20/2018
MAP CREATED BY: Engineering-GIS

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Parks and Culture

Fiscal Years

2019-2023

Project Detail Pages

Parks and Culture

Cemetery

Cemetery North Expansion	151
Future Cemetery Expansion.....	152

Parks and Recreation

City Center.....	153
Cubs Facility Improvements.....	154
Eagles Park.....	155
Engineering Park Irrigation Projects.....	156
Existing Park Improvements.....	157
Federal Building Renovation	158
Fiesta Sports Park.....	159
Gene Autry Park Improvements	160
Greenfield Park Urban Fishing Lake.....	161
Kleinman Park	162
Mesa City Center.....	163
Minor Equipment	164
Parks Bonds Projects Placeholder	165
Parks Irrigation Controllers	166
Pioneer Park Renovations.....	167
Riverview Irrigation Filter Upgrade	168
Signal Butte & Elliot Park Development.....	169
Parks & Culture Projects Map.....	171



**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Cemetery

CP0583 - Cemetery North Expansion

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Cemetery	\$442,215	\$1,172,396	-	-	-	-	-	\$1,614,611
Total:	\$442,215	\$1,172,396	-	-	-	-	-	\$1,614,611

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$16,455	\$59,500	-	-	-	-	-	\$75,955
Construction	\$284,940	\$1,112,565	-	-	-	-	-	\$1,397,505
Design	\$140,820	\$331	-	-	-	-	-	\$141,151
Total	\$442,215	\$1,172,396	-	-	-	-	-	\$1,614,611

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Cemetery

CP0712 - Future Cemetery Expansion

Project Description

Reserve funding for future expansion of the City cemetery to serve the community.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Cemetery	-	-	\$16,722	\$336,732	-	-	-	\$353,454
Total:	-	-	\$16,722	\$336,732	-	-	-	\$353,454

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$798	\$16,309	-	-	-	\$17,107
Construction	-	-	-	\$320,423	-	-	-	\$320,423
Design	-	-	\$15,924	-	-	-	-	\$15,924
Total	-	-	\$16,722	\$336,732	-	-	-	\$353,454

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0871 - City Center

Project Description

Complete master planning and pre-design work for downtown including adaptive reuse of the City's IT Building.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$18,739	\$468,351	-	-	-	-	-	\$487,090
Total:	\$18,739	\$468,351	-	-	-	-	-	\$487,090

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$841	\$22,302	-	-	-	-	-	\$23,143
Design	\$17,898	\$446,049	-	-	-	-	-	\$463,947
Total	\$18,739	\$468,351	-	-	-	-	-	\$487,090

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0723 - Cubs Facility Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Spring Training Bond Construction	\$302,383	\$74,422	-	-	-	-	-	\$376,805
Total:	\$302,383	\$74,422	-	-	-	-	-	\$376,805

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$13,466	\$4,494	-	-	-	-	-	\$17,960
Construction	\$266,239	\$58,796	-	-	-	-	-	\$325,035
Design	\$22,678	\$11,132	-	-	-	-	-	\$33,810
Total	\$302,383	\$74,422	-	-	-	-	-	\$376,805

Parks & Culture Project Detail Fiscal Years 2019 - 2023

Parks & Recreation

CP0211 - Eagles Park

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$1,115,849	\$3,220,605	-	-	-	-	-	\$4,336,454
Capital - General Fund	\$69,113	\$14,274	-	-	-	-	-	\$83,387
Community Development Block Grant	\$1,150,000	-	-	-	-	-	-	\$1,150,000
Grants - Gen. Gov.	-	\$49,345	-	-	-	-	-	\$49,345
Local Streets Fund	\$52,052	\$2,506,759	-	-	-	-	-	\$2,558,811
Neighborhood Stabilization Program 1	\$1,838,465	\$761,535	-	-	-	-	-	2,600,000
Total:	\$4,225,479	\$6,552,518	-	-	-	-	-	\$10,777,997

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$241,871	\$120,269	-	-	-	-	-	\$362,140
Construction	\$260,028	\$5,435,283	-	-	-	-	-	\$5,695,311
Construction-Grant	\$3,063,035	\$761,535	-	-	-	-	-	\$3,824,570
Design	\$660,545	\$171,812	-	-	-	-	-	\$832,357
Direct Expenses	-	-	-	-	-	-	-	-
Purchases	-	\$63,619	-	-	-	-	-	\$63,619
Total	\$4,225,479	\$6,552,518	-	-	-	-	-	\$10,777,997

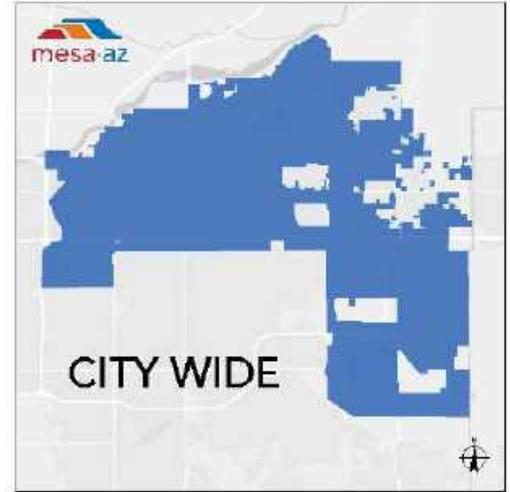
**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0485 - Engineering Park Irrigation Projects

Project Description

Upgrade existing irrigation systems/components at various park sites. Replacement systems and pumps are more efficient, and use less energy in shorter watering windows. Some sites are targeted for major renovations, many others for minor improvements.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$1,201,657	\$17,398	-	-	-	-	-	\$1,219,055
Capital - General Fund	\$252,212	-	-	-	-	-	-	\$252,212
Total:	\$1,453,869	\$17,398	-	-	-	-	-	\$1,471,267

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$52,263	-	-	-	-	-	-	\$52,263
Construction	\$1,104,599	\$17,398	-	-	-	-	-	\$1,121,997
Design	\$297,007	-	-	-	-	-	-	\$297,007
Total	\$1,453,869	\$17,398	-	-	-	-	-	\$1,471,267

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0226 - Future Southeast Mesa Park Maintenance

Project Description

Funding the anticipated operations and maintenance costs of a future City park located in southeast Mesa.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Total:	-						-	-

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Total	-							

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
General Fund	-	\$530,000	\$542,349	\$557,666	\$572,241	\$587,293	\$1,854,735	\$4,644,284
Total:	-	\$530,000	\$542,349	\$557,666	\$572,241	\$587,293	\$1,854,735	\$4,644,284

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0213 - Federal Building Renovation

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000
Total:	\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$32,078	\$109,524	-	-	-	-	-	\$141,602
Construction	-	\$4,216,833	-	-	-	-	-	\$4,216,833
Design	\$641,565	-	-	-	-	-	-	\$641,565
Total	\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000

Parks & Culture Project Detail Fiscal Years 2019 - 2023

Parks & Recreation

CP0009 - Fiesta Sports Park

Project Description

Construct improvements to the ballfield space around the former Powell Jr High. Improvements will include lighted softball and baseball fields, concession building, and restrooms.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$5,215,874	\$52,970	-	-	-	-	-	\$5,268,844
Capital - General Fund	\$100,000	-	-	-	-	-	-	\$100,000
Total:	\$5,315,874	\$52,970	-	-	-	-	-	\$5,368,844

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$199,963	-	-	-	-	-	-	\$199,963
Construction	\$5,020,126	\$52,970	-	-	-	-	-	\$5,073,096
Design	\$94,907	-	-	-	-	-	-	\$94,907
Direct Expenses	\$878	-	-	-	-	-	-	\$878
Total	\$5,315,874	\$52,970	-	-	-	-	-	\$5,368,844

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0559 - Gene Autry Park Improvements

Project Description

Update the existing playground to meet current safety and accessibility requirements, improve accessibility in the baseball complex restrooms, and modify the baseball field irrigation system to improve efficiency.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$386,211	\$19,808	-	-	-	-	-	\$406,019
Capital - General Fund	\$3,556	-	-	-	-	-	-	\$3,556
Total:	\$389,767	\$19,808	-	-	-	-	-	\$409,575

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$16,425	-	-	-	-	-	-	\$16,425
Construction	\$370,489	\$19,808	-	-	-	-	-	\$390,297
Design	\$2,853	-	-	-	-	-	-	\$2,853
Total	\$389,767	\$19,808	-	-	-	-	-	\$409,575

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0010 - Greenfield Park Urban Fishing Lake

Project Description

Expand the lake to create a five acre urban fishing lake and upgrade the playground at the existing Greenfield Park. Improvements will lower irrigation costs for the park landscaping while increasing the recreational opportunities.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$3,294,750	\$231,835	-	-	-	-	-	\$3,526,585
2013 Street Bond	\$248,670	-	-	-	-	-	-	\$248,670
Environmental Compliance Fee	\$209,176	-	-	-	-	-	-	\$209,176
Total:	\$3,752,596	\$231,835	-	-	-	-	-	\$3,984,431

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$153,318	-	-	-	-	-	-	\$153,318
Construction	\$3,193,364	\$231,835	-	-	-	-	-	\$3,425,464
Design	\$405,914	-	-	-	-	-	-	\$405,914
Direct Expenses	-	-	-	-	-	-	-	-
Total	\$3,752,596	\$231,835	-	-	-	-	-	\$3,984,431

Parks & Culture Project Detail Fiscal Years 2019 - 2023

Parks & Recreation

CP0553 - Kleinman Park

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$1,477,074	\$4,205	-	-	-	-	-	\$1,481,279
Capital - General Fund	\$31,904	\$12,096	-	-	-	-	-	\$44,000
Community Development Block Grant	\$8,833	\$241,167	-	-	-	-	-	\$250,000
Grants - Gen. Gov.	\$131,391	\$100,000	-	-	-	-	-	\$100,000
Total:	\$1,649,202	\$357,468	-	-	-	-	-	\$2,006,670

Project Expenditures by Phse

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$60,029	\$12,096	-	-	-	-	-	\$72,125
Construction	\$1,317,558	\$4,205	-	-	-	-	-	\$1,321,763
Construction- Grant	\$8,833	\$241,167	-	-	-	-	-	\$250,000
Design	\$131,391	\$100,000	-	-	-	-	-	\$231,391
Total	\$1,649,202	\$357,468	-	-	-	-	-	\$2,006,670

Parks & Culture Project Detail Fiscal Years 2019 - 2023

Parks & Recreation

CP0013 - Mesa City Center

Project Description

Develop conceptual plans with input from community stakeholders to create a signature events plaza, pedestrian mall, and public gathering place to enhance the activation of the downtown area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$584,986	\$103,833	-	-	-	-	-	\$688,819
Future Park Bond	-	-	-	-	-	-	\$29,808,700	\$29,808,700
Total:	\$584,986	\$103,833	-	-	-	-	\$29,808,700	\$30,497,519

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$25,625	-	-	-	-	-	\$1,419,462	\$1,445,087
Construction	-	\$103,833	-	-	-	-	\$25,056,952	\$25,160,785
Design	\$559,361	-	-	-	-	-	\$3,332,286	\$3,891,647
Total	\$584,986	\$103,833	-	-	-	-	\$29,808,700	\$30,497,519

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0303 - Minor Equipment

Project Description

Replace various components of existing aging maintenance equipment as the end of service life is reached. Initiate a phased update of park system identification and rules signs.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$391,566	\$298,787	-	-	-	-	-	\$690,353
Total:	\$391,566	\$298,787	-	-	-	-	-	\$690,353

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$16,151	\$6,997	-	-	-	-	-	\$23,148
Construction	\$375,415	\$239,427	-	-	-	-	-	\$614,842
Design	-	\$52,363	-	-	-	-	-	\$52,363
Total	\$391,566	\$298,787	-	-	-	-	-	\$690,353

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0183 - Parks Bond Projects Placeholder

Project Description

Fund a placeholder for anticipated Parks bond projects. Funding for these projects is contingent on the outcome of a future bond election.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Parks Bond	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602
Total:	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Construction	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602
Total	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CN0009 - Parks Irrigation Controllers

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	-	\$282,182	-	-	-	-	-	\$282,182
Capital - General Fund	\$334,594	\$509,397	-	-	-	-	-	\$843,991
Total:	\$334,594	\$791,579	-	-	-	-	-	\$1,126,173

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Construction	-	\$282,182	-	-	-	-	-	\$282,182
Direct Expenses	-	\$260,000	-	-	-	-	-	\$260,000
Purchases	\$334,594	\$249,397	-	-	-	-	-	\$583,991
Total	\$334,959	\$791,579	-	-	-	-	-	\$1,126,173

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0015 - Pioneer Park Renovations

Project Description

Construct improvements to Pioneer Park to create a unique destination. It will include relocation of the playground, improved picnic facilities, and a splash pad with focus on the central corridor of the park.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$7,417,183	\$532,817	-	-	-	-	-	\$7,950,000
Environmental Compliance Fee	\$37,800	-	-	-	-	-	-	\$36,667
Total:	\$7,454,983	\$532,817	-	-	-	-	-	\$7,987,800

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$317,489	-	-	-	-	-	-	\$317,489
Construction	\$6,220,516	\$532,817	-	-	-	-	-	\$6,753,333
Design	\$906,796	-	-	-	-	-	-	\$906,796
Direct Expenses	\$10,182	-	-	-	-	-	-	\$10,182
Total	\$7,454,983	\$532,817	-	-	-	-	-	\$7,987,800

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0784 - Riverview Irrigation Filter Upgrade

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Cubs Spring Training Facility	\$8,651	\$191,506	-	-	-	-	-	\$200,157
Total:	\$8,651	\$191,506	-	-	-	-	-	\$200,157

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$388	\$9,219	-	-	-	-	-	\$9,607
Construction	-	\$167,765	-	-	-	-	-	\$167,765
Design	\$8,263	\$14,522	-	-	-	-	-	\$22,785
Total	\$8,651	\$191,506	-	-	-	-	-	\$200,157

**Parks & Culture Project Detail
Fiscal Years 2019 - 2023**

Parks & Recreation

CP0121 - Signal Butte & Elliot Park Development

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$62,740	\$1,309,224	-	-	-	-	-	\$1,381,964
2014 Water Bond	\$61,302	-	-	-	-	-	-	\$61,302
Highway User Revenue Fund	\$7,043	\$8,326	-	-	-	-	-	\$15,369
Total:	\$131,085	\$1,317,550	-	-	-	-	-	\$1,448,635

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$3,891	\$408	-	-	-	-	-	\$4,299
Construction	\$47,746	\$1,311,944	-	-	-	-	-	\$1,359,690
Design	\$79,448	\$5,198	-	-	-	-	-	\$84,646
Total	\$131,085	\$1,317,550	-	-	-	-	-	\$1,448,635

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$176,978	\$58,306	\$59,952	\$61,519	\$63,137	\$199,394	\$619,286
General Fund	-	\$56,916	\$58,200	\$59,520	\$60,876	\$62,268	\$262,440	\$560,220
Total:	-	\$233,894	\$116,506	\$119,472	\$122,395	\$125,405	\$461,834	\$1,179,506





City of Mesa

Five-Year Capital Improvement Program
FY 2019 - 2023

PARKS & CULTURE

- Canal
- Projects
- Council District 1
- Council District 2
- Council District 3
- Council District 4
- Council District 5
- Council District 6

Citywide, External or Location TBD Projects

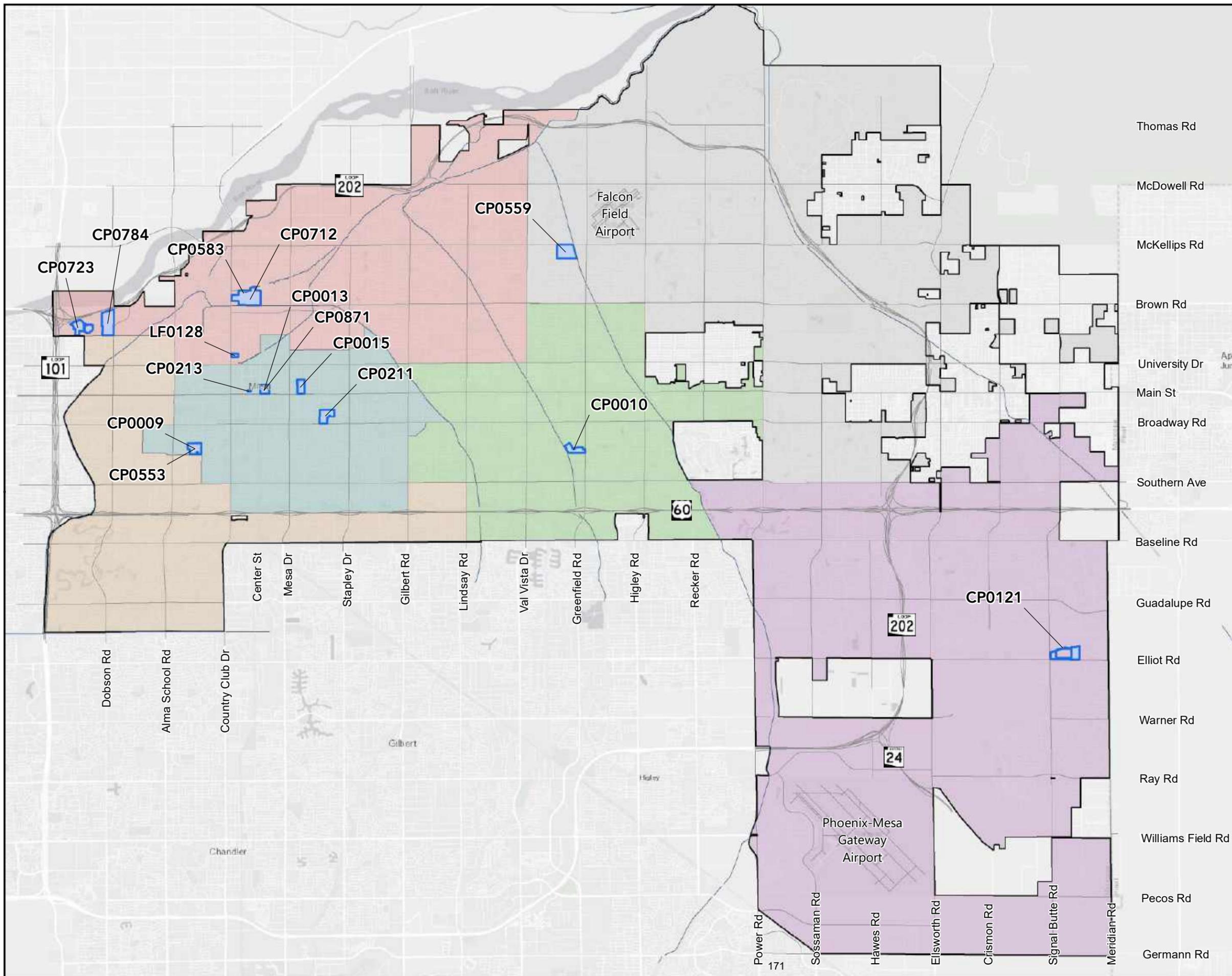
- CN0009
- CP0183
- CP0303
- CP0485



Miles

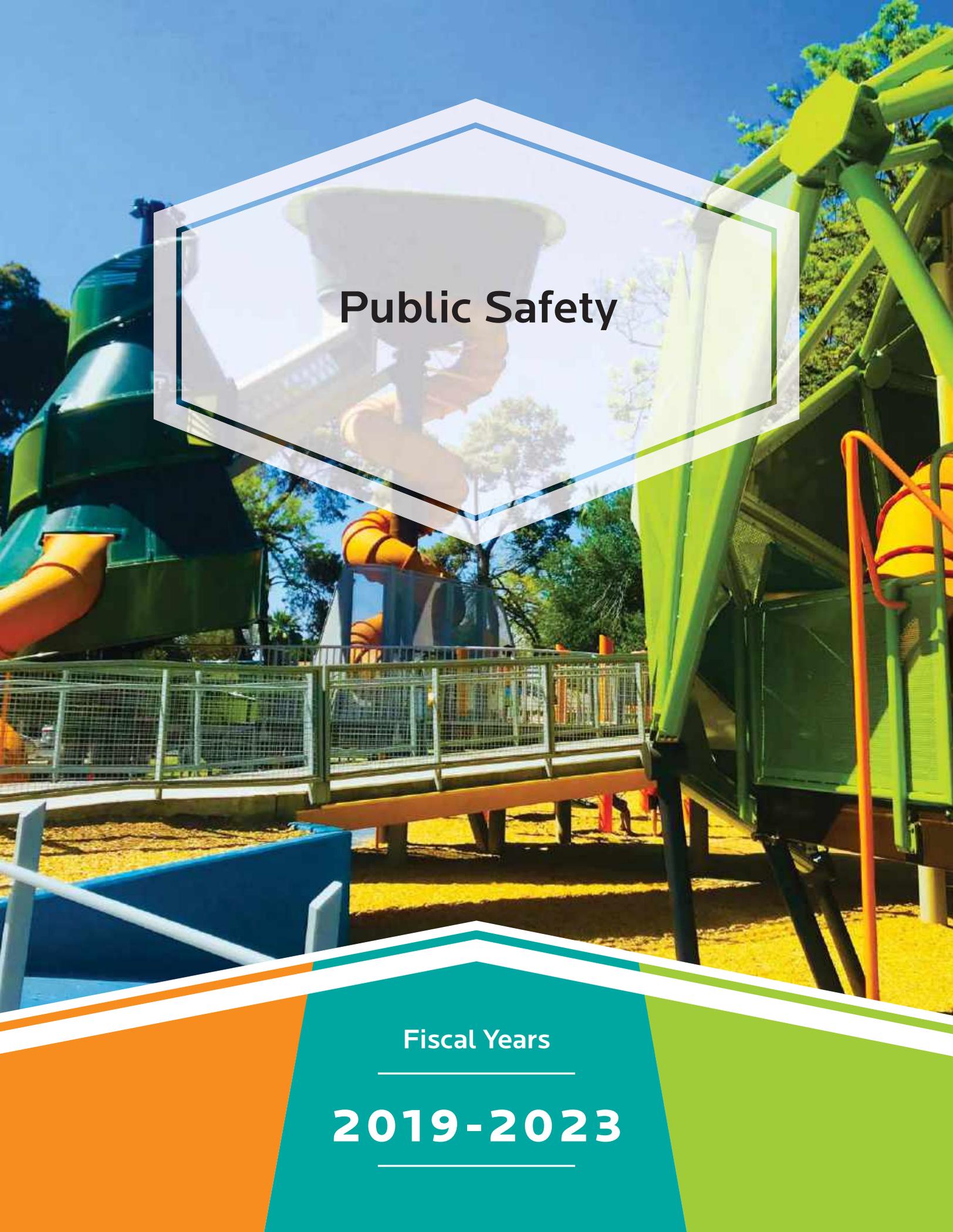
MAP CREATION DATE: 6/19/2018
MAP CREATED BY: Engineering-GIS

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- Thomas Rd
- McDowell Rd
- McKellips Rd
- Brown Rd
- University Dr
- Main St
- Broadway Rd
- Southern Ave
- Baseline Rd
- Guadalupe Rd
- Elliot Rd
- Warner Rd
- Ray Rd
- Williams Field Rd
- Pecos Rd
- Germann Rd

- Dobson Rd
- Alma School Rd
- Country Club Dr
- Center St
- Mesa Dr
- Stapley Dr
- Gilbert Rd
- Lindsay Rd
- Val Vista Dr
- Greenfield Rd
- Higley Rd
- Recker Rd
- Power Rd
- Sossaman Rd
- Hawes Rd
- Ellsworth Rd
- Crismon Rd
- Signal Butte Rd
- Meridian Rd



Public Safety

Fiscal Years

2019-2023

Project Detail Pages

Public Safety

Communications

Automated Billing and Network Management Tools – Mesa Share	176
Communications Building Electrical Vulnerability Mitigation.....	177
Distributed Antenna System for Phoenix Mesa Gateway Airport	178
Fiber to Radio Network Backbone Sites	179
G-2 Fire Station Alerting System.....	180
Internet Protocol Network Router Expansion – Mesa Share.....	181
Public Safety Fiber – Phase II.....	182
Radio Network Upgrade – Mesa Share.....	183
System of Systems Network – Mesa Share.....	184
TOPAZ Automated Billing and Network Management Tools.....	185
TOPAZ Internet Protocol Network Router Expansion.....	186
TOPAZ Northeast Mesa Radio Tower Site	187
TOPAZ Radio Network Upgrade	188
TOPAZ Southeast Apache Junction Radio Tower Site.....	189
TOPAZ Southeast Queen Creek Radio Tower Site.....	190
TOPAZ System of Systems Networking.....	191
TOPAZ West Side Coverage Solution for the TOPAZ Network.....	192
West Side Coverage Solution for TOPAZ Network – Mesa Share	193
Wireless Backhaul Microwaves	194
Wireless Backhaul Microwaves – Mesa Share	195

Project Detail Pages

Fire

Fire Apparatus	196
Fire Apparatus	197
Fire Station 221: Eastmark	198
Fire Station 222: Power Road	199
Mesa Regional Dispatch and Emergency Operations Center	200
Public Safety Training Facility Burn Tower Renovation.....	201
Public Safety Training Facility Improvements: Burn Room.....	202

Police

Advocacy Center Interview Suite Sound Attenuation Upgrades.....	203
Aviation Unit Hangar Remodel	204
Northeast Police Substation	205
Police Evidence Facility	206
Public Safety Projects Map	208



**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

**CN0061 - Automated Billing and Network Management Tools -
Mesa Share**

Project Description

Fund Mesa's cost share of implementing automated airtime billing and accounting hardware and software. This upgrade will reduce costs for the TOPAZ network and improve the billing process.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	-	-	\$244,440	\$250,828	-	-	\$495,268
Total:	-	-	-	\$244,440	\$250,828	-	-	\$495,268

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	-	-	\$244,440	\$250,828	-	-	\$495,268
Total	-	-	-	\$244,440	\$250,828	-	-	\$495,268

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0796 - Communications Building Electrical Vulnerability Mitigation

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$14,267	\$27,710	-	-	-	-	-	\$41,977
Total:	\$14,267	\$27,710	-	-	-	-	-	\$41,977

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$589	\$27,710	-	-	-	-	-	\$28,299
Design	\$13,678	-	-	-	-	-	-	\$13,678
Total	\$14,267	\$27,710	-	-	-	-	-	\$41,977

Public Safety Project Detail Fiscal Years 2019 - 2023

Communications

CP0839 - Distributed Antenna System for Phoenix Mesa Gateway Airport

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$136,290	-	-	-	-	-	\$136,290
Total:	-	\$136,290	-	-	-	-	-	\$136,290

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$6,490	-	-	-	-	-	\$6,490
Direct Expenses	-	\$129,800	-	-	-	-	-	\$129,800
Total	-	\$136,290	-	-	-	-	-	\$136,290

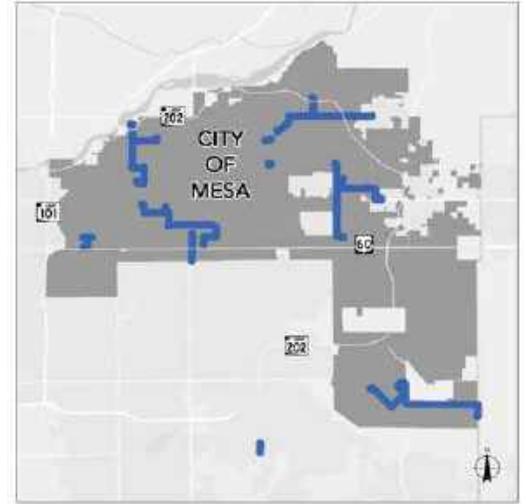
**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0092 - Fiber to Radio Network Backbone Sites

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Public Safety Bond	\$4,470,473	\$129,527	-	-	-	-	-	\$4,600,000
Total:	\$4,470,473	\$129,527	-	-	-	-	-	\$4,600,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$172,085	-	-	-	-	-	-	\$172,085
Construction	\$4,184,383	\$129,527	-	-	-	-	-	\$4,313,910
Design	\$113,680	-	-	-	-	-	-	\$113,680
Direct Expenses	\$325	-	-	-	-	-	-	\$325
Total	\$4,470,473	\$129,527	-	-	-	-	-	\$4,600,000

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0838 - G-2 Fire Station Alerting System

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$309,750	-	-	-	-	-	\$309,750
Total:	-	\$309,750	-	-	-	-	-	\$309,750

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$14,750	-	-	-	-	-	\$14,750
Direct Expenses	-	\$295,000	-	-	-	-	-	\$295,000
Total	-	\$309,750	-	-	-	-	-	\$309,750

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0052 - Internet Protocol Network Router Expansion - Mesa Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$348,469	-	-	-	-	-	\$348,469
Total:	-	\$348,469	-	-	-	-	-	\$348,469

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$348,469	-	-	-	-	-	\$348,469
Total	-	\$348,469	-	-	-	-	-	\$348,469

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0696 - Public Safety Fiber - Phase II

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	\$1,436,400	\$4,063,600	-	-	-	-	\$5,500,000
Future Public Safety Bond	-	-	-	-	-	-	\$19,972,083	\$19,972,083
Total:	-	\$1,436,400	\$4,063,600	-	-	-	\$19,972,083	\$25,472,083

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$68,400	\$193,505	-	-	-	\$951,051	\$1,212,956
Construction	-	-	\$3,358,445	-	-	-	\$16,284,105	\$19,642,550
Design	-	\$1,368,000	-	-	-	-	\$1,555,827	\$2,923,827
Purchases	-	-	\$511,650	-	-	-	\$1,181,100	\$1,692,750
Total	-	\$1,436,400	\$4,063,600	-	-	-	\$19,972,083	\$25,472,083

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0023 - Radio Network Upgrade - Mesa Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Public Safety Bond	\$2,200,000	-	-	-	-	-	-	\$2,200,000
Capital - General Fund	\$1,027,164	\$325,371	\$332,952	-	-	-	-	\$1,685,487
Total:	\$3,227,164	\$325,371	\$332,952	-	-	-	-	\$3,885,487

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Purchases	\$3,227,164	\$325,371	\$332,952	-	-	-	-	\$3,885,487
Total	\$3,227,164	\$325,371	\$332,952	-	-	-	-	\$3,885,487

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0053 - System of Systems Networking - Mesa Share

Project Description

Fund Mesa's share of system-of-systems networking allowing radio networks to connect automatically with other similar radio networks. Radio users can utilize the resources of multiple systems to deliver public safety services efficiently.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	\$464,625	-	-	-	-	-	\$464,625
Total:	-	\$464,625	-	-	-	-	-	\$464,625

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$464,625	-	-	-	-	-	\$464,625
Total	-	\$464,625	-	-	-	-	-	\$464,625

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0813 - TOPAZ Automated Billing and Network Management Tools

Project Description

Implement automated airtime billing and accounting hardware and software solution. This upgrade will reduce costs for the TOPAZ network and improve the billing process.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	-	-	\$325,919	\$334,438	-	-	\$660,357
Total:	-	-	-	\$325,919	\$334,438	-	-	\$660,357

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$15,520	\$15,926	-	-	\$31,446
Direct Expenses	-	-	-	\$310,399	\$318,512	-	-	\$628,911
Total	-	-	-	\$325,919	\$334,438	-	-	\$660,357

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0755 - TOPAZ Internet Protocol Network Router Expansion

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	\$464,625	-	-	-	-	-	\$464,625
Total:	-	\$464,625	-	-	-	-	-	\$464,625

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$22,125	-	-	-	-	-	\$22,125
Direct Expenses	-	\$442,500	-	-	-	-	-	\$442,500
Total	-	\$464,625	-	-	-	-	-	\$464,625

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0779 - TOPAZ Northeast Mesa Radio Tower Site

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218
Total:	-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	\$30,771	\$51,527	-	\$82,298
Construction	-	-	-	-	-	\$417,653	-	\$417,653
Design	-	-	-	-	\$35,082	\$17,285	-	\$52,367
Land Acquisition	-	-	-	-	\$539,850	-	-	\$539,850
Purchases	-	-	-	-	-	\$554,050	-	\$554,050
Total	-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0022 - TOPAZ Radio Network Upgrade

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	\$433,828	\$443,936	-	-	-	-	\$877,764
TOPAZ Joint Venture Fund	\$4,501,483	-	-	-	-	-	-	\$4,501,483
Total:	\$4,501,483	\$433,828	\$443,936	-	-	-	-	\$5,379,247

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Purchases	\$4,501,483	\$433,828	\$443,936	-	-	-	-	\$5,379,247
Total	\$4,501,483	\$433,828	\$443,936	-	-	-	-	\$5,379,247

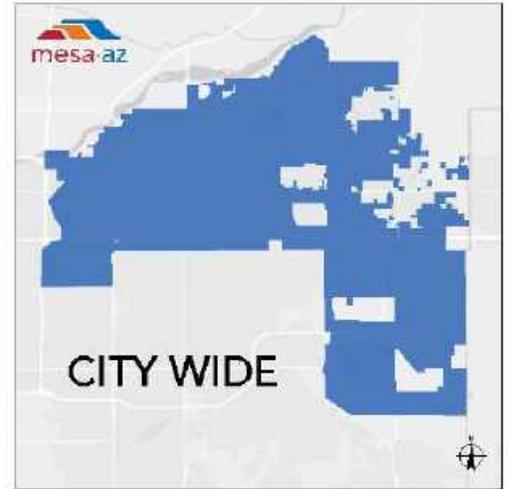
**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0754 - TOPAZ Southeast Apache Junction Radio Tower Site

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123
Total:	-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$29,988	\$50,206	-	-	\$80,194
Construction	-	-	-	-	\$406,949	-	-	\$406,949
Design	-	-	-	\$34,188	\$16,842	-	-	\$51,030
Land Acquisition	-	-	-	\$526,100	-	-	-	\$526,100
Purchases	-	-	-	-	\$539,850	-	-	\$539,850
Total	-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0091 - TOPAZ Southeast Queen Creek Radio Tower Site

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	-	\$574,063	\$988,024	-	-	-	\$1,562,087
Total:	-	-	\$574,063	\$988,024	-	-	-	\$1,562,087

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$29,164	\$48,927	-	-	-	\$78,091
Construction	-	-	-	\$396,584	-	-	-	\$396,584
Design	-	-	\$33,249	\$16,413	-	-	-	\$49,662
Land Acquisition	-	-	\$511,650	-	-	-	-	\$511,650
Purchases	-	-	-	\$526,100	-	-	-	\$526,100
Total	-	-	\$574,063	\$988,024	-	-	-	\$1,562,087

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0438 - TOPAZ System of Systems Networking

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	\$619,500	-	-	-	-	-	\$619,500
Total:	-	\$619,500	-	-	-	-	-	\$619,500

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$29,500	-	-	-	-	-	\$29,500
Direct Expenses	-	\$590,000	-	-	-	-	-	\$590,000
Total	-	\$619,500	-	-	-	-	-	\$619,500

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0810 - TOPAZ West Side Coverage Solution for the Topaz Network

Project Description

Implement a west side TOPAZ coverage solution to improve radio and network coverage on the far west side of the Phoenix Metropolitan Area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Topaz Capital Programs	-	-	-	\$391,103	-	-	-	\$391,103
Total:	-	-	-	\$391,103	-	-	-	\$391,103

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$18,624	-	-	-	\$18,624
Direct Expenses	-	-	-	\$372,479	-	-	-	\$372,479
Total	-	-	-	\$391,103	-	-	-	\$391,103

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0059 - West Side Coverage Solution for Topaz Network - Mesa Share

Project Description

Fund Mesa's cost share of implementing a west side TOPAZ coverage solution to improve radio and network coverage on the far west side of the Phoenix Metropolitan Area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	-	-	-	\$293,327	-	-	-	\$293,327
Total:	-	-	-	\$293,327	-	-	-	\$293,327

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	-	-	\$293,327	-	-	-	\$293,327
Total	-	-	-	\$293,327	-	-	-	\$293,327

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CP0093 - Wireless Backhaul Microwaves

Project Description

Replace the point-to-point microwave radio infrastructure, which provides voice and data services to the regional public safety communications network, fire stations, and other City facilities.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$174,647	\$142,868	-	-	-	-	-	\$317,515
Topaz Capital Programs	\$174,648	\$142,868	-	-	-	-	-	\$317,516
Total:	\$349,295	\$285,736	-	-	-	-	-	\$635,031

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$15,423	-	-	-	-	-	-	\$15,423
Construction	\$333,872	\$285,736	-	-	-	-	-	\$619,608
Total	\$349,295	\$285,736	-	-	-	-	-	\$635,031

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Communications

CN0034 - Wireless Backhaul Mircowaves - Mesa Share

Project Description

Fund Mesa's cost share to replace the point-to-point microwave radio infrastructure, which provides voice and data services to the regional public safety communications network, fire stations, and other City facilities.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$103,353	\$309,159	-	-	-	-	-	\$412,512
Total:	\$103,353	\$309,159	-	-	-	-	-	\$412,512

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Construction	-	\$107,151	-	-	-	-	-	\$107,151
Direct Expenses	\$103,353	\$202,008	-	-	-	-	-	\$305,361
Total	\$103,353	\$309,159	-	-	-	-	-	\$412,512

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Fire

CN0002 - Fire Apparatus

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Public Safety Bond	\$8,489,656	\$10,344	-	-	-	-	-	\$8,500,000
Capital - General Fund	\$254,050	\$629	-	-	-	-	-	\$254,679
Total:	\$8,743,706	\$10,973	-	-	-	-	-	\$8,754,679

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$254,050	-	-	-	-	-	-	\$254,050
Purchases	\$8,489,656	\$10,973	-	-	-	-	-	\$8,500,629
Total	\$8,743,706	\$10,973	-	-	-	-	-	\$8,754,679

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Fire

CN0055 - Fire Apparatus

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	\$5,801,363	\$5,828,643	\$4,644,604	\$4,060,062	\$5,258,479	-	\$25,593,151
Capital - General Fund	-	\$804,107	\$546,146	\$620,635	\$772,342	\$1,631,346	\$6,428,834	\$10,803,410
Future Public Safety Bond	-	-	-	-	-	-	\$46,659,311	\$46,659,311
Total:	-	\$6,605,470	\$6,374,789	\$5,265,239	\$4,832,404	\$6,889,825	\$53,088,145	\$83,055,872

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Purchases	-	\$6,605,470	\$6,374,789	\$5,265,239	\$4,832,404	\$6,889,825	\$53,088,145	\$83,055,872
Total	-	\$6,605,470	\$6,374,789	\$5,265,239	\$4,832,404	\$6,889,825	\$53,088,145	\$83,055,872

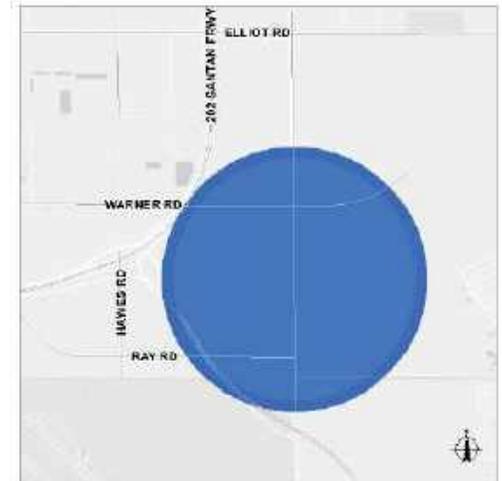
Public Safety Project Detail Fiscal Years 2019 - 2023

Fire

CP0102 - Fire Station 221: Eastmark

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	-	\$3,042,315	-	-	-	-	\$3,042,315
Restricted Programs Fund	\$3,353	\$733,635	\$4,766,651	-	-	-	-	\$5,503,639
Total:	\$3,353	\$733,635	\$7,808,966	-	-	-	-	\$8,545,954

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$151	\$34,935	\$371,856	-	-	-	-	\$406,942
Construction	-	-	\$5,953,325	-	-	-	-	\$5,953,325
Design	\$3,202	\$698,700	-	-	-	-	-	\$701,902
Direct Expenses	-	-	\$1,483,785	-	-	-	-	\$1,483,785
Total	\$3,353	\$733,635	\$7,808,966	-	-	-	-	\$8,545,954

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Funding To Be Determined	-	-	\$1,932,960	\$1,751,189	\$1,808,604	\$1,850,489	\$7,685,289	\$15,028,531
Total:	-	-	\$1,932,960	\$1,751,189	\$1,808,604	\$1,850,489	\$7,685,289	\$15,028,531

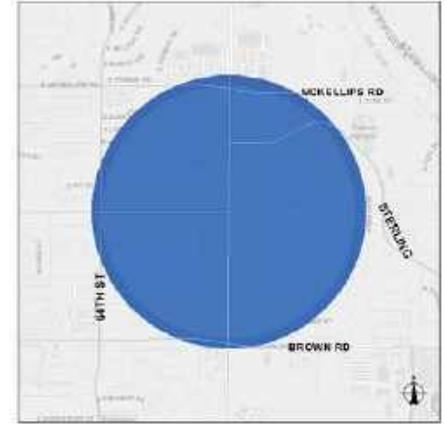
**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Fire

C10119 - Fire Station 222: Power Road

Project Description

Build a new fire station in east Mesa to meet current and future Fire and Medical operational needs.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147
Total:	-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$160,420	\$585,254	-	-	-	\$745,674
Construction	-	-	-	\$10,179,373	-	-	-	\$10,179,373
Design	-	-	\$1,146,460	-	-	-	-	\$1,146,460
Direct Expenses	-	-	-	\$1,525,690	-	-	-	\$1,525,690
Land Acquisition	-	-	\$2,061,950	-	-	-	-	\$2,061,950
Total	-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Funding To Be Determined	-	-	-	\$2,001,393	\$1,811,092	\$1,853,042	\$7,696,176	\$13,361,703
Total:	-	-	-	\$2,001,393	\$1,811,092	\$1,853,042	\$7,696,176	\$13,361,703

Public Safety Project Detail Fiscal Years 2019 - 2023

Fire

CP0340 - Mesa Regional Dispatch and Emergency Operations Center

Project Description

Construct the new Mesa Fire and Medical Regional Dispatch Center and Emergency Operations center.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2004 Fire Bond	\$45,856	-	-	-	-	-	-	\$45,856
2008 Public Safety Bond	\$1,000,000	-	-	-	-	-	-	\$1,000,000
2013 Public Safety Bond	\$8,100,920	\$19,524	-	-	-	-	-	\$8,120,444
Capital - General Fund	\$246,149	-	-	-	-	-	-	\$246,149
Grants - Gen. Gov.	\$500,180	-	-	-	-	-	-	\$500,180
Total:	\$9,893,105	\$19,524	-	-	-	-	-	\$9,912,629

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$347,045	-	-	-	-	-	-	\$347,045
Construction	\$8,424,834	\$19,524	-	-	-	-	-	\$8,444,358
Construction-Grant	\$476,327	-	-	-	-	-	-	\$476,327
Design	\$629,313	-	-	-	-	-	-	\$629,313
Direct Expenses	\$15,586	-	-	-	-	-	-	\$15,586
Total	\$9,893,105	\$19,524	-	-	-	-	-	\$9,912,629

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Fire

CP0858 - Public Safety Training Facility Burn Tower Renovation

Project Description

Repair and replace outdated burn tower building components.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2008 Public Safety Bond	\$32	-	-	-	-	-	-	\$32
2013 Public Safety Bond	\$9,203	\$399,796	-	-	-	-	-	\$408,999
2018 Public Safety Bond	-	-	-	-	-	-	\$691,888	\$691,888
Total:	\$9,235	\$399,796	-	-	-	-	\$691,888	\$1,100,919

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$415	-	-	-	-	-	\$32,948	\$33,363
Construction	-	\$399,796	-	-	-	-	\$577,276	\$977,072
Design	\$8,820	-	-	-	-	-	\$81,664	\$90,484
Total	\$9,235	\$399,796	-	-	-	-	\$691,888	\$1,100,919

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Fire

CP0096 - Public Safety Training Facility Improvements: Burn Room

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Public Safety Bond	\$829,404	\$1,070,596	-	-	-	-	-	\$1,900,000
Total:	\$829,404	\$1,070,596	-	-	-	-	-	\$1,900,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$30,882	-	-	-	-	-	-	\$30,882
Construction	\$697,241	\$1,070,596	-	-	-	-	-	\$1,767,837
Design	\$101,281	-	-	-	-	-	-	\$101,281
Total	\$829,404	\$1,070,596	-	-	-	-	-	\$1,900,000

Public Safety Project Detail Fiscal Years 2019 - 2023

Police

CP0747 - Advocacy Center Interview Suite Sound Attenuation Upgrades

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$13,627	\$138,862	-	-	-	-	-	\$152,489
Total:	\$13,627	\$138,862	-	-	-	-	-	\$152,489

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$612	\$6,782	-	-	-	-	-	\$7,394
Construction	\$13,015	\$132,080	-	-	-	-	-	\$145,095
Total	\$13,627	\$138,862	-	-	-	-	-	\$152,489

Public Safety Project Detail Fiscal Years 2019 - 2023

Police

CP0216 - Aviation Unit Hangar Remodel

Project Description

Remodel the hangar in addition to the main office spaces to allow for future growth. Expansion of the hangar will increase the available area for maintenance and aircraft storage.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Public Safety Bond	\$136,340	\$2,431	-	-	-	-	-	\$138,771
Capital - General Fund	\$128,239	-	-	-	-	-	-	\$128,239
Total:	\$264,579	\$2,431	-	-	-	-	-	\$267,010

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$12,018	-	-	-	-	-	-	\$12,018
Construction	\$246,965	\$2,431	-	-	-	-	-	\$249,396
Design	\$5,596	-	-	-	-	-	-	\$5,596
Total	\$264,579	\$2,431	-	-	-	-	-	\$267,010

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Police

CP0737 - Northeast Police Substation

Project Description

Construct a police substation to provide police services for the North East portion of Mesa.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115
Total:	-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$101,818	\$935,044	-	-	-	-	\$1,036,862
Construction	-	-	\$18,168,777	-	-	-	-	\$18,168,777
Design	-	\$1,966,360	-	-	-	-	-	\$1,966,360
Land Acquisition	-	\$70,000	-	-	-	-	-	\$70,000
Purchases	-	-	\$532,116	-	-	-	-	\$532,116
Total	-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Funding To Be Determined	-	-	\$415,205	\$328,509	\$336,698	\$345,152	\$1,218,883	\$2,644,447
Total:	-	-	\$415,205	\$328,509	\$336,698	\$345,152	\$1,218,883	\$2,644,447

**Public Safety Project Detail
Fiscal Years 2019 - 2023**

Police

CP0695 - Police Evidence Facility

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Public Safety Bond	-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272
Total:	-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$87,863	\$13,815	\$776,002	-	-	-	\$877,680
Construction	-	-	-	\$15,520,037	-	-	-	\$15,520,037
Design	-	\$1,757,264	-	-	-	-	-	\$1,757,264
Land Acquisition	-	-	\$276,291	-	-	-	-	\$276,291
Total	-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Funding To Be Determined	-	-	-	\$1,092,533	\$891,238	\$913,403	\$3,513,057	\$6,410,231
Total:	-	-	-	\$1,092,533	\$891,238	\$913,403	\$3,513,057	\$6,410,231





City of Mesa

Five-Year Capital Improvement Program
FY 2019 - 2023

PUBLIC SAFETY

- Canal
- Projects
- Council District 1
- Council District 2
- Council District 3
- Council District 4
- Council District 5
- Council District 6

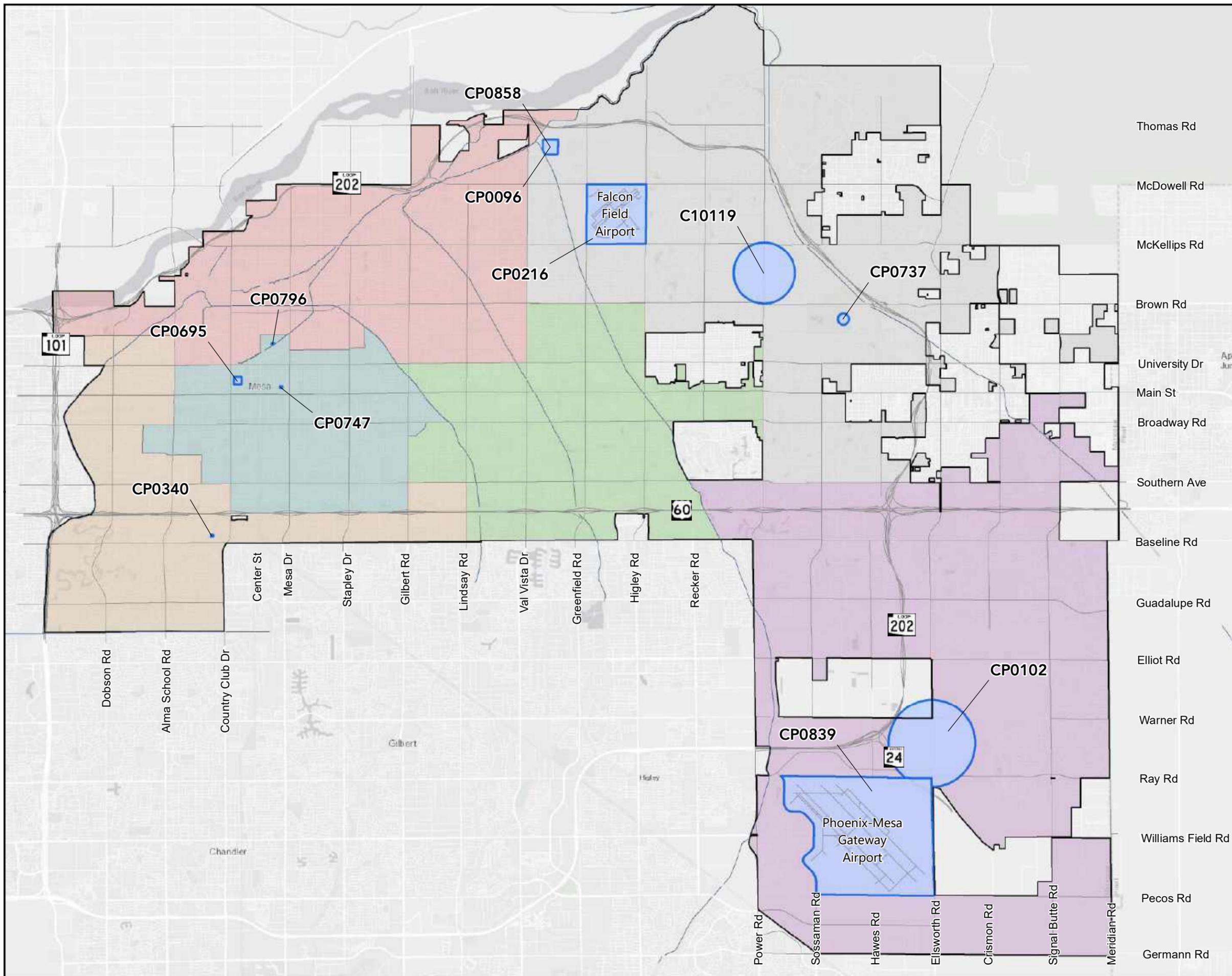
Citywide, External or Location TBD Projects

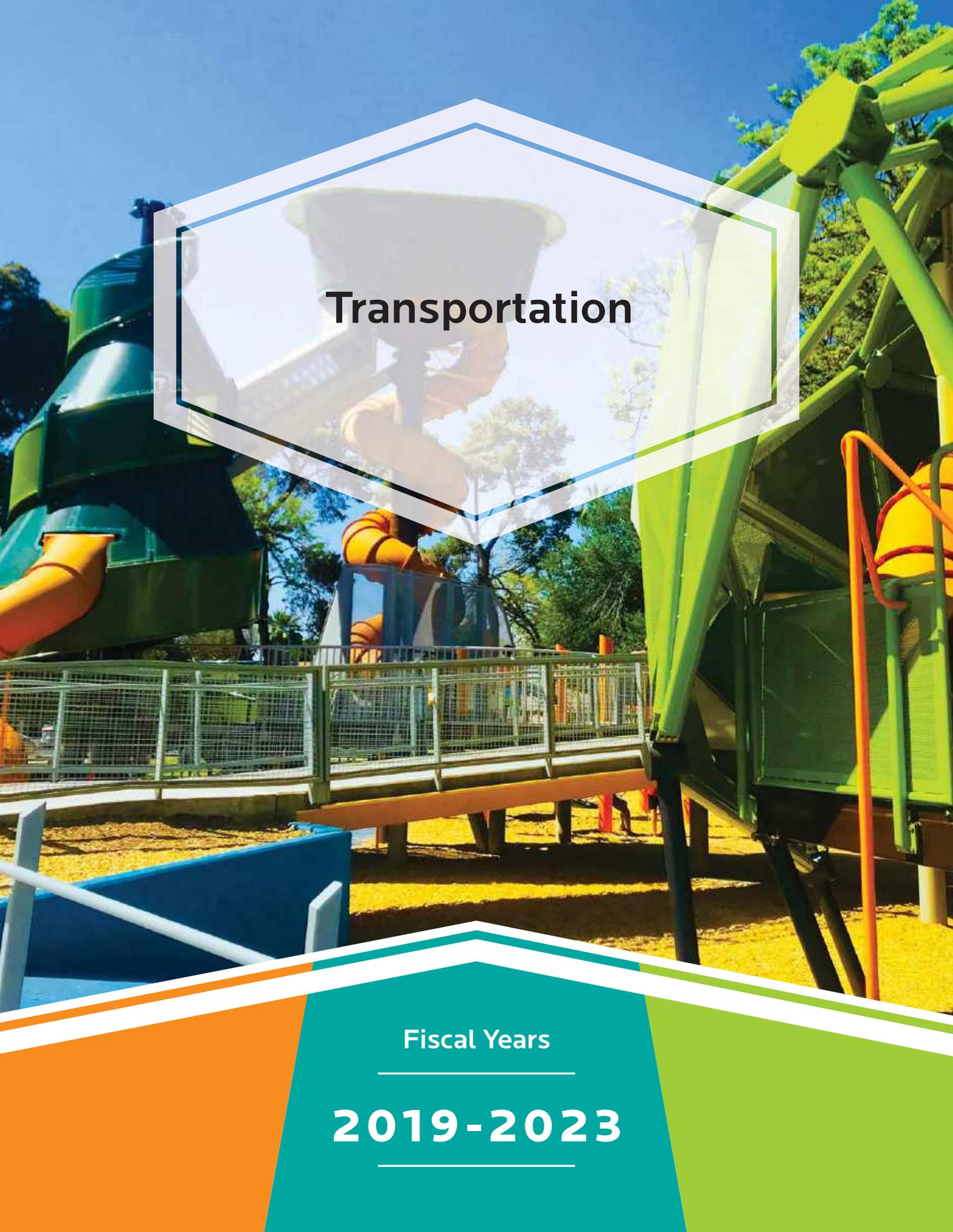
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CN0022	CN0061	CP0755
CN0023	CP0091	CP0779
CN0034	CP0093	CP0810
CN0052	CP0305	CP0813
CN0053	CP0438	CP0838
CN0055	CP0696	CP0092



MAP CREATION DATE: 6/19/2018
MAP CREATED BY: Engineering-GIS

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Transportation

Fiscal Years

2019-2023

Project Detail Pages

Transportation

Falcon Field Airport

Acute Angle Taxiways.....	215
Airfield Lighting and Signage Upgrade	216
Airport Historic Zone Improvements	217
Apron Lighting	218
Automated Surface Observing System (ASOS)	219
Blast Pads for Runway 4L-22R.....	220
City-Owned Buildings and Property Improvements	221
East Side Improvements	222
East Side Taxi Lane	223
Falcon Field Master Plan.....	224
Falcon Field Runway 4L22R.....	225
Falcon Tech Center.....	226
Relocation of Taxiway E/FSL.....	227
Runway 22R Approach Easement	228
Runway Protection Zone Improvements	229
Storm Water Drainage Plan	230
Taxiway C and Runway 4R Run-Up Area	231
Taxiway C Run-Up Area	232
Wash Rack Shade Structure	233
Waste Container Enclosures.....	234

Intelligent Transportation System

Central Traffic Signal System	235
Easy Valley Arterial Congestion Monitoring.....	236

Project Detail Pages

Intelligent Transportation System

Traffic Signal Cabinet & Controllers Upgrade	237
Traffic Signals – New and Upgrade	238
Traffic Signals – Public Safety Opticom.....	239

Shared Use Paths

Bike and Pedestrian Pilot Projects	240
Eastern Canal Shared-Use Path: Brown to Broadway	241
Eastern Canal Shared-Use Path: Lindsay to Brown.....	242
Lehi Crossing Shared-Use Pathway.....	243
Mesa Gateway Bike and Pedestrian Path Phase 2	244
Shared-Use Path: Consolidated to Eastern Canal Connection.....	245
South Canal Shared-Use Path: Consolidated Canal to McKellips Road.....	246
Southeast Mesa Bike and Pedestrian Path	247
Stadium Connector Shared Use Path	248

Storm Sewer

10 th Avenue and Sirrine Drainage.....	249
64 th Street and Halifax Drainage	250
Broadway Road and Lazona Drainage.....	251
Firefly Avenue Drainage.....	252
Gilbert & Hackamore Drainage.....	253
Horne Storm Drain System	254
Lehi Area Drainage Improvement Project.....	255
Main Street and Maple Drainage	256

Project Detail Pages

Storm Sewer

Royal Palms Drainage.....	257
Skyview Drainage.....	258
Sloan Park Drainage Structure	259
Somerset Drainage	260
Sossaman and Main Drainage Ditch.....	261
Storm Drain Pump Stations	262
Summer and Bates Drainage.....	263
Venture Out Drainage.....	264

Streets

1 st Avenue Improvements	265
Arterial Reconstruction.....	266
Arterial Reconstructions	267
Baseline Road: 24 th Street to the Consolidated Canal.....	268
Bridge Safety Rehabilitation	269
Broadway Road: Country Club to Mesa Drive.....	270
Broadway Road: Lesueur to Spur.....	271
Broadway Road Streetscape: Tempe City Limits to Gilbert Road.....	272
Country Club and Main Improvements	273
Country Club Underpass	274
East Mesa Service Center Wash Rack	275
East Side Improvements at Phoenix-Mesa Gateway Airport	276
Economic Development	277
Elliot Road Improvements: Ellsworth to Signal Butte.....	278
EVIT Decorative Tree Lighting Project.....	279

Project Detail Pages

Streets

Gilbert Road Bridge IGA.....	280
MAG Project Local Match.....	281
Main Street Tree Revitalization.....	282
McDowell Underpass Erosion.....	283
Mesa Drive Phase II.....	284
Pavement Rehab – Adobe Road – Higley to Recker.....	286
Pecos Road: Ellsworth Road to Meridian Road.....	287
Pedestrian Connection West of Dobson Road.....	288
Power Road Improvements: East Maricopa Floodway to Loop 202.....	289
Railroad Quiet Zone.....	290
Railroad Right-of-way Improvements.....	291
Rio Salado Pathway – Public Art Project.....	292
Roosevelt Road Improvements from Broadway to 8 th Avenue.....	293
Signal Butte Road: Williams Field to Pecos.....	294
Southern Avenue and Country Club Drive Roadways.....	295
Southern Avenue and Stapley Drive Intersection.....	296
Southern Avenue Improvements: Gilbert Road to Val Vista.....	297
Southern Avenue: Greenfield Road to Higley Road.....	298
Stapley Drive and University Drive Intersection.....	299
Street Improvement Cityshare.....	300
Streetlight Spot Improvements.....	301
Transportation Neighborhood Improvement Projects.....	302
UPRR Crossing Improvements: Dobson and Alma School.....	303
Val Vista Drive: Baseline Road to US 60.....	304
Val Vista Drive: Pueblo Avenue to US 60.....	305

Project Detail Pages

Transit

Bus Stop Shelters	307
Gilbert Road Light Rail Concurrent Non-Project Activities	308
Gilbert Road Light Rail Extension	309
Transportation Projects Map	311

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0416 - Acute Angle Taxiways

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$13,314	\$117,248	-	-	-	-	-	\$130,562
Falcon Field Grants	\$83,861	\$1,182,752	-	-	-	-	-	\$1,266,613
General Fund	\$148	-	-	-	-	-	-	\$148
Total:	\$97,323	\$1,300,000	-	-	-	-	-	\$1,397,323

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$4,145	\$61,905	-	-	-	-	-	\$66,050
Construction	-	\$1,238,095	-	-	-	-	-	\$1,238,095
Design	\$93,178	-	-	-	-	-	-	\$93,178
Total	\$97,323	\$1,300,000	-	-	-	-	-	\$1,397,323

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0114 - Airfield Lighting and Signage Upgrade

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$339,695	\$86,228	-	-	-	-	-	\$425,923
Falcon Field Grants	\$777,409	\$1,638,293	-	-	-	-	-	\$2,415,702
Total:	\$1,117,104	\$1,724,521	-	-	-	-	-	\$2,841,625

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$44,211	-	-	-	-	-	-	\$44,211
Construction	-	\$86,228	-	-	-	-	-	\$86,228
Construction-Grant	\$721,866	\$1,638,293	-	-	-	-	-	\$2,360,159
Design	\$351,027	-	-	-	-	-	-	\$351,027
Total	\$1,117,104	\$1,724,521	-	-	-	-	-	\$2,841,625

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

C09036 - Airport Historic Zone Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$38,444	-	-	-	-	-	-	\$38,444
Falcon Field Airport	\$1,558,835	\$778,839	\$268,616	-	-	-	-	\$2,606,290
Total:	\$1,597,279	\$778,839	\$268,616	-	-	-	-	\$2,644,734

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$73,119	\$36,458	\$12,791	-	-	-	-	\$122,368
Construction	\$1,161,085	\$742,381	\$255,825	-	-	-	-	\$2,159,291
Design	\$363,075	-	-	-	-	-	-	\$363,075
Total	\$1,597,279	\$778,839	\$268,616	-	-	-	-	\$2,644,734

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

C06033 - Apron Lighting

Project Description

Construct apron lighting along the full length of the ramp south of Taxiway D to provide visibility at night.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	\$126,267	-	-	-	-	\$126,267
Falcon Field Grants	-	-	\$1,273,733	-	-	-	-	\$1,273,733
Total:	-	-	\$1,400,000	-	-	-	-	\$1,400,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	\$66,667	-	-	-	-	\$66,667
Construction	-	-	\$1,333,333	-	-	-	-	\$1,333,333
Total	-	-	\$1,400,000	-	-	-	-	\$1,400,000

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

C10470 - Automated Surface Observing System (ASOS)

Project Description

Construct a concrete pad and electrical lines for an Automated Surface Observing System (ASOS) that is being installed by the Federal Aviation Administration (FAA) to improve the weather reporting capabilities at the airport.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$144,797	\$4,303	-	-	-	-	-	\$149,100
Total:	\$144,797	\$4,303	-	-	-	-	-	\$149,100

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$6,491	\$1,000	-	-	-	-	-	\$7,491
Construction	\$124,141	\$3,303	-	-	-	-	-	\$127,444
Design	\$14,165	-	-	-	-	-	-	\$14,165
Total	\$144,797	\$4,303	-	-	-	-	-	\$149,100

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Falcon Field Airport	-	-	-	-	-	-	-	-
Total:	-	-	-	-	-	-	-	-

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

C07044 - Blast Pads for Runway 4L-22R

Project Description

Construct blast pads for Runway 4L-22R to reduce the erosive effects of jet blast and propeller wash.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$39,733	\$31,585	-	-	-	-	-	\$71,318
Falcon Field Grants	\$250,113	\$179,850	-	-	-	-	-	\$429,963
Total:	\$289,846	\$211,435	-	-	-	-	-	\$501,281

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$11,943	\$10,068	-	-	-	-	-	\$22,011
Construction	-	\$30,081	-	-	-	-	-	\$30,081
Construction-Grant	\$251,800	\$171,286	-	-	-	-	-	\$423,086
Design	\$26,103	-	-	-	-	-	-	\$26,103
Total	\$289,846	\$211,435	-	-	-	-	-	\$501,281

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0763 - City Owned Buildings and Property Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674
Total:	\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,253	\$13,713	\$7,675	\$7,892	\$8,098	\$8,311	\$26,246	\$73,188
Construction	\$26,809	\$274,257	\$153,495	\$157,830	\$161,955	\$166,215	\$524,925	\$1,465,486
Total	\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0690 - East Side Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610
Total:	-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$20,921	\$50,441	-	-	\$71,362
Construction	-	-	-	-	\$1,008,838	-	-	\$1,008,838
Design	-	-	-	\$418,410	-	-	-	\$418,410
Total	-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

C06020 - Eastside Taxi Lane

Project Description

Construct the taxiway across Roadrunner Drive to provide aircraft access to the land located on the east side of the airport. This area is currently not accessible by aircraft. Improvements include new storm drain lines, and cul-de-sacs.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$42,858	\$255,199	-	\$298,057
Falcon Field Grants	-	-	-	-	\$257,142	\$2,574,350	-	\$2,831,492
Total:	-	-	-	-	\$300,000	\$2,829,549	-	\$3,129,549

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	\$14,287	\$134,741	-	\$149,028
Construction	-	-	-	-	-	\$2,694,808	-	\$2,694,808
Design	-	-	-	-	\$285,713	-	-	\$285,713
Total	-	-	-	-	\$300,000	\$2,829,549	-	\$3,129,549

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0256 - Falcon Field Master Plan

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$18,932	\$75,640	-	-	-	-	-	\$94,572
Falcon Field Grants	\$224,545	\$477,855	-	-	-	-	-	\$702,400
Total:	\$243,477	\$553,495	-	-	-	-	-	\$796,972

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$10,900	\$26,357	-	-	-	-	-	\$37,257
Construction	-	\$527,138	-	-	-	-	-	\$527,138
Design	\$232,577	-	-	-	-	-	-	\$232,577
Total	\$243,477	\$553,495	-	-	-	-	-	\$796,972

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0761 - Falcon Field Runway 4L/22R

Project Description

Reconstruct Runway 4L/22R to increase load bearing capacity.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	-	-	-	\$106,427	-	\$106,427
Falcon Field Grants	-	-	-	-	-	\$638,573	-	\$638,573
Total:	-	-	-	-	-	\$745,000	-	\$745,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	-	\$35,476	-	\$35,476
Construction	-	-	-	-	-	\$70,951	-	\$70,951
Design	-	-	-	-	-	\$638,573	-	\$638,573
Total	-	-	-	-	-	\$745,000	-	\$745,000

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0746 - Falcon Tech Center

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$143,980	\$19,757	-	-	-	-	-	\$163,737
Total:	\$143,980	\$19,757	-	-	-	-	-	\$163,737

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$7,393	\$941	-	-	-	-	-	\$8,334
Construction	-	\$18,816	-	-	-	-	-	\$18,816
Design	\$136,587	-	-	-	-	-	-	\$136,587
Total	\$143,980	\$19,757	-	-	-	-	-	\$163,737

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0760 - Relocation of Taxiway E/FSL

Project Description

Relocate taxiway E to conform to future safety design standards.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$64,190	-	\$349,201	\$413,391
Falcon Field Grants	-	-	-	-	\$647,530	-	\$3,522,616	\$4,170,146
Total:	-	-	-	-	\$711,720	-	\$3,871,817	\$4,583,537

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	\$33,891	-	\$184,372	\$218,263
Construction	-	-	-	-	-	-	\$3,687,445	\$3,687,445
Design	-	-	-	-	\$677,829	-	-	\$677,829
Total	-	-	-	-	\$711,720	-	\$3,871,817	\$4,583,537

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0400 - Runway 22R Approach Easement

Project Description

Acquire aviation easement for Runway 22R Approach.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	\$78,069	-	-	-	-	\$78,069
Falcon Field Grants	-	-	\$468,419	-	-	-	-	\$468,419
Total:	-	-	\$546,488	-	-	-	-	\$546,488

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	\$26,023	-	-	-	-	\$26,023
Design	-	-	\$520,465	-	-	-	-	\$520,465
Total	-	-	\$546,488	-	-	-	-	\$546,488

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0398 - Runway Protection Zone Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$18,583	-	\$18,038	\$108,228	-	-	-	\$144,849
Falcon Field Grants	-	-	\$181,962	\$1,091,772	-	-	-	\$1,273,734
Total:	\$18,583	-	\$200,000	\$1,200,000	-	-	-	\$1,418,583

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	(\$594)	-	\$9,524	\$57,143	-	-	-	\$66,073
Construction	-	-	-	\$1,142,857	-	-	-	\$1,142,857
Design	\$19,177	-	\$190,476	-	-	-	-	\$209,653
Total	\$18,583	-	\$200,000	\$1,200,000	-	-	-	\$1,418,583

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

C06029 - Stormwater Drainage Plan Update

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	\$27,057	-	-	-	-	-	\$27,057
Falcon Field Grants	-	\$272,943	-	-	-	-	-	\$272,943
Total:	-	\$300,000	-	-	-	-	-	\$300,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$14,286	-	-	-	-	-	\$14,286
Design	-	\$285,714	-	-	-	-	-	\$285,714
Total	-	\$300,000	-	-	-	-	-	\$300,000

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0719 - Taxiway C and Runway 4R Run-Up Area

Project Description

Realign and construct taxiway C and runway 4R run-up area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$176,319	\$14,229	-	-	-	-	-	\$ 190,548
Falcon Field Grants	\$1,958,003	\$140,415	-	-	-	-	-	\$2,098,418
Total:	\$2,134,322	\$154,644	-	-	-	-	-	\$2,288,966

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$84,700	\$7,297	-	-	-	-	-	\$91,997
Construction	\$2,049,622	\$147,347	-	-	-	-	-	\$2,196,969
Total	\$2,134,322	\$154,644	-	-	-	-	-	\$2,288,966

Transportation Project Detail Fiscal Years 2019 - 2023

Falcon Field Airport

CP0691 - Taxiway C Run-Up Area

Project Description

Pave run-up area near taxiway C to provide additional run-up area to meet future demand.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	-	-	-	\$16,448	\$132,366	-	-	\$148,814
Falcon Field Grants	-	-	-	\$165,922	\$1,335,264	-	-	\$1,501,186
Total:	-	-	-	\$182,370	\$1,467,630	-	-	\$1,650,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$8,684	\$69,887	-	-	\$78,571
Construction	-	-	-	-	\$1,397,743	-	-	\$1,397,743
Design	-	-	-	\$173,686	-	-	-	\$173,686
Total	-	-	-	\$182,370	\$1,467,630	-	-	\$1,650,000

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

C07039 - Wash Rack Shade Structure

Project Description

Construct a shade structure over the existing aircraft wash rack. This project is part of a continuing effort to enhance the utility and quality of Falcon Field.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$677,400	\$36,318	-	-	-	-	-	\$713,718
Total:	\$677,400	\$36,318	-	-	-	-	-	\$713,718

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$30,344	\$1,730	-	-	-	-	-	\$32,074
Construction	\$526,456	\$34,588	-	-	-	-	-	\$561,044
Design	\$120,600	-	-	-	-	-	-	\$120,600
Total	\$677,400	\$36,318	-	-	-	-	-	\$713,718

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Falcon Field Airport

CP0762 - Waste Container Enclosures

Project Description

Install a walled structure with gates around trash containers to provide a visual barrier between public areas and trash containers.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Falcon Field Airport	\$178,388	\$93,000	-	-	-	-	-	\$271,388
Total:	\$178,388	\$93,000	-	-	-	-	-	\$271,388

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$8,008	\$4,429	-	-	-	-	-	\$12,437
Construction	\$170,106	\$88,571	-	-	-	-	-	\$258,677
Design	\$275	-	-	-	-	-	-	\$275
Total	\$178,388	\$93,000	-	-	-	-	-	\$271,388

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Intelligent Transportation System

CP0655 - Central Traffic Signal System

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	-	-	-	\$718,127	-	-	-	\$718,127
Total:	-	-	-	\$718,127	-	-	-	\$718,127

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$34,197	-	-	-	\$34,197
Purchases	-	-	-	\$683,930	-	-	-	\$683,930
Total	-	-	-	\$718,127	-	-	-	\$718,127

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Intelligent Transportation System

CP0419 - East Valley Arterial Congestion Monitoring

Project Description

Install a congestion monitoring and travel time system for deployment within the jurisdictions participating in this project to include Mesa, Tempe, and Gilbert. The project includes sensors installed at approximately one-mile increments.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	\$616,156	\$39,229	-	-	-	-	-	\$655,385
Local Streets Fund	\$146,936	\$111,692	-	-	-	-	-	\$258,628
Total:	\$763,092	\$150,921	-	-	-	-	-	\$914,013

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$35,888	\$29,558	-	-	-	-	-	\$65,446
Construction	\$34,560	\$82,134	-	-	-	-	-	\$116,694
Construction-Grant	\$653,400	\$39,229	-	-	-	-	-	\$692,629
Design	\$37,083	-	-	-	-	-	-	\$37,083
Direct Expenses	\$2,161	-	-	-	-	-	-	\$2,161
Total	\$763,092	\$150,921	-	-	-	-	-	\$914,013

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Intelligent Transportation System

CP0653 - Traffic Signal Cabinet and Controllers Upgrade in East Mesa

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$780,000	-	-	-	-	-	\$780,000
Local Streets Fund	\$75,490	\$615,639	-	-	-	-	-	\$691,129
Total:	\$75,490	\$1,395,639	-	-	-	-	-	\$1,471,129

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$3,311	\$66,459	-	-	-	-	-	\$69,770
Construction	-	\$486,500	-	-	-	-	-	\$486,500
Construction-Grant	-	\$780,000	-	-	-	-	-	\$780,000
Design	\$70,980	\$13,448	-	-	-	-	-	\$84,428
Direct Expenses	-	\$10,424	-	-	-	-	-	\$10,424
Land Acquisition	\$1,199	\$38,808	-	-	-	-	-	\$40,007
Total	\$75,490	\$1,395,639	-	-	-	-	-	\$1,471,129

Transportation Project Detail Fiscal Years 2019 - 2023

Intelligent Transportation System

CP0586 - Traffic Signals - New and Upgrade

Project Description

Install new signals and upgrade existing signals.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital - General Fund	\$79,300	\$126,169	-	-	-	-	-	\$205,469
Local Streets Fund	\$1,112,922	\$3,686,705	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$17,022,126
Total:	\$1,192,222	\$3,812,874	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$17,227,595

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$44,543	\$175,833	\$76,723	\$78,890	\$80,952	\$83,081	\$262,379	\$802,401
Construction	\$861,401	\$3,486,058	\$1,432,129	\$1,472,575	\$1,511,062	\$1,550,808	\$4,897,620	\$15,211,653
Design	\$271,209	\$150,983	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,198,472
Direct Expenses	\$290	-	-	-	-	-	-	\$290
Land Acquisition	\$14,779	-	-	-	-	-	-	\$14,779
Total	\$1,192,222	\$3,812,874	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$17,227,595

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Highway User Revenue Fund	-	\$27,750	\$28,397	\$29,199	\$29,962	\$30,750	\$97,111	\$243,169
Total:	-	\$27,750	\$28,397	\$29,199	\$29,962	\$30,750	\$97,111	\$243,169

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Intelligent Transportation System

CP0702 - Traffic Signals - Public Safety Opticom

Project Description

Install public safety opticom technology on traffic signals.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813
Total:	\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,311	\$35,235	\$4,873	\$5,011	\$5,142	\$5,277	\$16,665	\$73,514
Construction	\$24,844	\$702,562	\$97,457	\$100,209	\$102,828	\$105,533	\$333,285	\$1,466,718
Design	\$5,581	-	-	-	-	-	-	\$5,581
Total	\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Shared Use Paths

CP0531 - Bike and Ped Pilot projects

Project Description

Improve the City's multi-model transportation system.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$1,963	\$694,540	-	-	-	-	-	\$696,503
Total:	\$1,963	\$694,540	-	-	-	-	-	\$696,503

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$88	\$33,085	-	-	-	-	-	\$33,173
Construction	-	\$406,808	-	-	-	-	-	\$406,808
Design	\$1,875	\$249,647	-	-	-	-	-	\$251,522
Land Acquisition	-	\$5,000	-	-	-	-	-	\$5,000
Total	\$1,963	\$694,540	-	-	-	-	-	\$696,503

Transportation Project Detail Fiscal Years 2019 - 2023

Shared Use Paths

CP0673 - Eastern Canal Shared-Use Path: Brown to Broadway

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Parks Bond	-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781
Total:	-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$20,317	\$223,681	-	-	-	\$243,998
Construction	-	-	-	\$4,473,621	-	-	-	\$4,473,621
Design	-	-	\$406,334	-	-	-	-	\$406,334
Land Acquisition	-	-	-	\$97,828	-	-	-	\$97,828
Total	-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$5,399	\$5,541	\$17,499	\$28,439
Highway User Revenue Fund	-	-	-	-	\$10,797	\$11,081	\$34,995	\$56,873
Total:	-	-	-	-	\$16,196	\$16,622	\$52,494	\$85,312

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Shared Use Paths

CP0672 - Lehi Crossing Shared-Use Path

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2018 Parks Bond	-	\$405,710	\$4,567,283	-	-	-	-	\$4,972,993
Future Park Bond	-	-	-	-	-	-	\$5,491,186	\$5,491,186
Total:	-	\$405,710	\$4,567,283	-	-	-	\$5,491,186	\$10,464,179

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$19,320	\$213,055	-	-	-	\$256,598	\$488,973
Construction	-	-	\$4,323,529	-	-	-	\$4,661,996	\$8,985,525
Design	-	\$386,390	-	-	-	-	\$435,834	\$822,224
Land Acquisition	-	-	\$30,699	-	-	-	\$136,758	\$167,457
Total	-	\$405,710	\$4,567,283	-	-	-	\$5,491,186	\$10,464,179

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
Highway User Revenue Fund	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
Total:	-	-	-	\$6,313	\$6,478	\$6,648	\$20,998	\$40,437

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Shared Use Paths

CP0529 - Mesa Gateway Bike and Pedestrian Path Phase 2

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	-	\$2,079,984	-	-	-	-	\$2,079,984
Local Streets Fund	-	\$378,000	\$2,685,912	-	-	-	-	\$3,063,912
Total:	-	\$378,000	\$4,765,896	-	-	-	-	\$5,143,896

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$18,000	\$226,947	-	-	-	-	\$244,947
Construction	-	-	\$4,521,450	-	-	-	-	\$4,521,450
Design	-	\$352,000	-	-	-	-	-	\$352,000
Direct Expenses	-	\$1,000	\$3,275	-	-	-	-	\$4,275
Land Acquisition	-	\$7,000	\$14,224	-	-	-	-	\$21,224
Total	-	\$378,000	\$4,765,896	-	-	-	-	\$5,143,896

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$2,104	\$2,159	\$4,432	\$13,998	\$22,693
Highway User Revenue Fund	-	-	-	\$4,209	\$4,319	\$8,865	\$27,997	\$45,390
Total:	-	-	-	\$6,313	\$6,478	\$13,297	\$41,995	\$68,083

Transportation Project Detail Fiscal Years 2019 - 2023

Shared Use Paths

CP0872 - Share-Use Path: Consolidated to Eastern Canal Connection

Project Description

Design and construct 2 miles of shared use path in the US60 ADOT right of way providing connection to the Consolidated Canal and Eastern Canal pathway systems.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Funding To Be Determined	-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624
Total:	-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$12,517	\$111,198	-	-	-	-	\$123,715
Construction	-	-	\$2,268,448	-	-	-	-	\$2,268,448
Design	-	\$205,344	-	-	-	-	-	\$205,344
Direct Expenses	-	-	\$5,117	-	-	-	-	\$5,117
Land Acquisition	-	\$45,000	-	-	-	-	-	\$45,000
Total	-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Funding To Be Determined	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
Funding To Be Determined	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
Total:	-	-	-	\$6,313	\$6,478	\$6,648	\$20,998	\$40,437

Transportation Project Detail Fiscal Years 2019 - 2023

Shared Use Paths

CP0671 - South Canal Shared-Use Path: Consolidated Canal to McKellips

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$2,003,013	-	-	-	-	-	\$2,003,013
Local Streets Fund	\$92,308	\$527,345	-	-	-	-	-	\$619,653
Total:	\$92,308	\$2,530,358	-	-	-	-	-	\$2,622,666

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$4,072	\$120,904	-	-	-	-	-	\$124,976
Construction	-	\$154,935	-	-	-	-	-	\$154,935
Construction-Grant	-	\$2,003,013	-	-	-	-	-	\$2,003,013
Design	\$88,236	\$201,506	-	-	-	-	-	\$289,742
Direct Expenses	-	\$50,000	-	-	-	-	-	\$50,000
Total	\$92,308	\$2,530,358	-	-	-	-	-	\$2,622,666

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$9,452	\$17,978
Highway User Revenue Fund	-	-	\$4,093	\$4,209	\$4,319	\$4,432	\$18,902	\$35,955
Total:	-	-	\$6,140	\$6,313	\$6,478	\$6,648	\$28,354	\$53,933

Transportation Project Detail Fiscal Years 2019 - 2023

Shared Use Paths

CP0198 - Southeast Mesa Bike & Pedestrian Path

Project Description

Create a pedestrian and bike trail connection in southeast Mesa with a concrete path, landscaping, and lighting.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$1,498,330	\$38,482	-	-	-	-	-	\$1,536,812
Local Streets Fund	\$448,278	\$215,060	-	-	-	-	-	\$663,338
Total:	\$1,946,608	\$253,542	-	-	-	-	-	\$2,200,150

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$86,486	\$11,535	-	-	-	-	-	\$98,021
Construction	\$1,714,434	\$242,007	-	-	-	-	-	\$1,956,441
Design	\$145,479	-	-	-	-	-	-	\$145,479
Direct Expenses	\$106	-	-	-	-	-	-	\$106
Land Acquisition	\$103	-	-	-	-	-	-	\$103
Total	\$1,946,608	\$253,542	-	-	-	-	-	\$2,200,150

Transportation Project Detail Fiscal Years 2019 - 2023

Shared Use Paths

CP0108 - Stadium Connector Shared-Use Path

Project Description

Construct a combination of shared-use pathways and cycle tracks that will connect Mesa's spring training stadiums. It will also include signalized pedestrian crossings at Center Street and the canal, and Country Club and the canal.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2012 Park Bond	\$3,244,927	\$63,472	-	-	-	-	-	\$3,308,399
Total:	\$3,244,927	\$63,472	-	-	-	-	-	\$3,308,399

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$131,981	-	-	-	-	-	-	\$131,981
Construction	\$2,897,913	\$63,472	-	-	-	-	-	\$2,961,385
Design	\$210,695	-	-	-	-	-	-	\$210,695
Direct Expenses	\$4,338	-	-	-	-	-	-	\$4,338
Total	\$3,244,927	\$63,472	-	-	-	-	-	\$3,308,399

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0558 - 10th Avenue and Serrine Drainage

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$18,070	-	-	-	-	-	-	\$18,070
Grants - Gen. Gov.	\$189,563	-	-	-	-	-	-	\$189,563
Highway User Revenue Fund	\$286	\$697,498	-	-	-	-	-	\$697,784
Local Streets Fund	\$135,640	-	-	-	-	-	-	\$135,640
Total:	\$343,559	\$697,498	-	-	-	-	-	\$1,041,057

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$16,266	\$33,214	-	-	-	-	-	\$49,480
Construction	\$122,079	\$642,679	-	-	-	-	-	\$764,758
Construction-Grant	\$189,563	-	-	-	-	-	-	\$189,563
Design	\$15,651	\$21,605	-	-	-	-	-	\$37,256
Total	\$343,559	\$697,498	-	-	-	-	-	\$1,041,057

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0817 - 64th Street and Halifax Drainage

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$2,477	\$846,366	-	-	-	-	-	\$848,843
Total:	\$2,477	\$1,096,366	-	-	-	-	-	\$1,098,843

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$112	\$52,223	-	-	-	-	-	\$52,335
Construction	-	\$686,360	-	-	-	-	-	\$686,360
Construction-Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	\$2,365	\$107,783	-	-	-	-	-	\$110,148
Total	\$2,477	\$1,096,366	-	-	-	-	-	\$1,098,843

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
Total:	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0743 - Broadway Road and Lazona Drainage

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$3,759	\$1,326,460	-	-	-	-	-	\$1,330,219
Total:	\$3,759	\$1,576,460	-	-	-	-	-	\$1,580,219

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$169	\$78,087	-	-	-	-	-	\$78,256
Construction	-	\$1,111,928	-	-	-	-	-	\$1,111,928
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	\$3,590	\$136,445	-	-	-	-	-	\$140,035
Total	\$3,759	\$1,576,460	-	-	-	-	-	\$1,580,219

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
Total:	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0726 - Firefly Avenue Drainage

Project Description

Construct wall openings to improve drainage to the City right of way and openings to an adjacent regional box culvert to help clear additional storm water.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$35,077	-	-	-	-	-	-	\$35,077
Highway User Revenue Fund	\$52,504	\$193,050	-	-	-	-	-	\$245,554
Total:	\$87,581	\$193,050	-	-	-	-	-	\$280,631

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$3,809	\$9,193	-	-	-	-	-	\$13,002
Construction	\$21,778	\$183,857	-	-	-	-	-	\$205,635
Design	\$61,994	-	-	-	-	-	-	\$61,994
Total	\$87,581	\$193,050	-	-	-	-	-	\$280,631

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
Total:	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0744 - Gilbert Road & Hackamore Drainage

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Highway User Revenue Fund	\$24,081	\$141,463	-	-	-	-	-	\$165,544
Total:	\$24,081	\$141,463	-	-	-	-	-	\$165,544

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,077	\$6,736	-	-	-	-	-	\$7,813
Construction	\$988	\$134,727	-	-	-	-	-	\$135,715
Design	\$22,016	-	-	-	-	-	-	\$22,016
Total	\$24,081	\$141,463	-	-	-	-	-	\$165,544

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
Total:	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0557 - Horne Storm Drain System

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Future Street Bond	-	-	-	-	-	-	\$2,483,274	\$2,483,274
Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$3,528	\$2,628,787	-	-	-	-	-	\$2,632,315
Local Streets Fund	\$1,816,219	\$180,647	-	-	-	-	-	\$1,996,866
Total:	\$2,069,747	\$2,809,434	-	-	-	-	\$2,483,274	\$7,362,455

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$94,288	\$133,801	-	-	-	-	\$118,251	\$346,340
Construction	\$692,291	\$2,493,548	-	-	-	-	\$2,222,165	\$5,408,004
Construction-Grant	\$261,330	-	-	-	-	-	-	\$261,330
Design	\$296,735	\$176,949	-	-	-	-	\$142,858	\$616,542
Land Acquisition	\$725,103	\$5,136	-	-	-	-	-	\$730,239
Total	\$2,069,747	\$2,809,434	-	-	-	-	\$2,483,274	\$7,362,455

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$40,000	\$40,932	\$42,088	\$43,188	\$44,324	\$139,980	\$350,512
Total:	-	\$40,000	\$40,932	\$42,088	\$43,188	\$44,324	\$139,980	\$350,512

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0567 - Lehi Area Drainage Improvement Project

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,060,831
Environmental Compliance Fee	\$107,410	\$262,500	-	-	-	-	-	\$369,910
Highway User Revenue Fund	-	\$338,651	-	-	-	-	-	\$338,651
Local Streets Fund	-	\$172,725	-	-	-	-	-	\$172,725
Total:	\$107,410	\$773,876	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,942,117

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$4,947	\$36,851	-	-	\$45,311	\$315,366	\$250,030	\$652,505
Construction	-	\$250,000	-	-	\$235,985	\$5,110,584	\$5,000,591	\$10,597,160
Design	\$102,463	\$450,025	-	-	\$906,216	-	-	\$1,458,704
Land Acquisition	-	\$37,000	-	-	-	\$1,196,748	-	\$1,233,748
Total	\$107,410	\$773,876	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,942,117

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$2,722	\$2,722
Total:	-	-	-	-	-	-	\$2,722	\$2,722

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0741 - Main Street and Maple Drainage

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$2,483	-	-	-	-	-	-	\$2,483
Highway User Revenue Fund	\$49,997	\$242,204	-	-	-	-	-	\$292,201
Total:	\$52,480	\$242,204	-	-	-	-	-	\$294,684

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$2,356	\$11,533	-	-	-	-	-	\$13,889
Construction	\$139	\$230,671	-	-	-	-	-	\$230,810
Design	\$49,985	-	-	-	-	-	-	\$49,985
Total	\$52,480	\$242,204	-	-	-	-	-	\$294,684

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
Total:	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0556 - Royal Palms Drainage

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	\$148,884	-	-	-	-	-	-	\$148,884
Local Streets Fund	\$117,298	\$166,549	-	-	-	-	-	\$283,847
Total:	\$266,182	\$166,549	-	-	-	-	-	\$432,731

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$12,565	\$7,955	-	-	-	-	-	\$20,520
Construction	\$87,565	\$153,730	-	-	-	-	-	\$241,295
Construction- Grant	\$148,884	-	-	-	-	-	-	\$148,884
Design	\$17,168	\$4,864	-	-	-	-	-	\$22,032
Total	\$266,182	\$166,549	-	-	-	-	-	\$432,731

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0745 - Skyview Drainage

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Highway User Revenue Fund	\$108,270	\$856,317	-	-	-	-	-	\$964,587
Total:	\$108,270	\$856,317	-	-	-	-	-	\$964,587

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$4,859	\$42,349	-	-	-	-	-	\$47,208
Construction	\$3,491	\$813,968	-	-	-	-	-	\$817,459
Design	\$99,920	-	-	-	-	-	-	\$99,920
Total	\$108,270	\$856,317	-	-	-	-	-	\$964,587

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
Total:	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0576 - Sloan Park Drainage Structure

Project Description

Develop all-weather access for maintenance equipment and personnel.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$195,112	\$232,256	-	-	-	-	-	\$427,368
Total:	\$195,112	\$232,256	-	-	-	-	-	\$427,368

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$8,663	\$11,512	-	-	-	-	-	\$20,175
Construction	\$169,326	\$216,200	-	-	-	-	-	\$385,526
Design	\$17,123	\$4,544	-	-	-	-	-	\$21,667
Total	\$195,112	\$232,256	-	-	-	-	-	\$427,368

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0819 - Somerset Drainage

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$664,364	-	-	-	-	-	\$664,364
Total:	-	\$914,364	-	-	-	-	-	\$914,364

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$43,541	-	-	-	-	-	\$43,541
Construction	-	\$620,823	-	-	-	-	-	\$620,823
Construction-Grant	-	\$250,000	-	-	-	-	-	\$250,000
Total	-	\$914,364	-	-	-	-	-	\$914,364

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
Total:	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0790 - Sossaman and Main Drainage Ditch

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$30,424	\$257,830	-	-	-	-	-	\$288,254
Total:	\$30,424	\$257,830	-	-	-	-	-	\$288,254

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,295	\$12,370	-	-	-	-	-	\$13,665
Construction	\$543	\$245,460	-	-	-	-	-	\$246,003
Design	\$28,376	-	-	-	-	-	-	\$28,376
Land Acquisition	\$210	-	-	-	-	-	-	\$210
Total	\$30,424	\$257,830	-	-	-	-	-	\$288,254

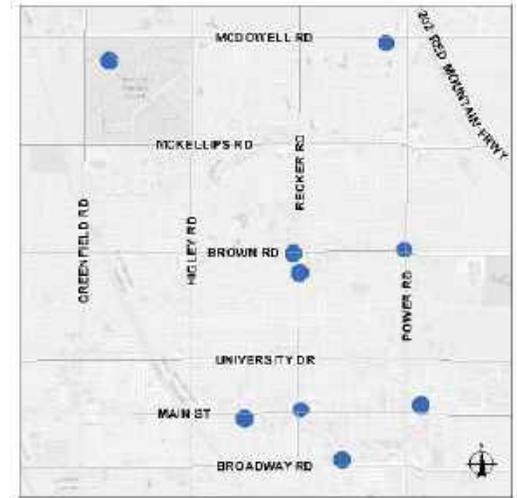
**Transportation Project Detail
Fiscal Years 2019 - 2023**

Storm Sewer

CP0491 - Storm Drain Pump Stations

Project Description

Rehabilitate aging storm drain pump stations.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	\$1,657,215	\$1,700,528	\$1,745,258	\$3,628,171	\$8,731,172
Environmental Compliance Fee	-	\$3,213,520	-	-	-	-	-	\$3,213,520
Future Street Bond	-	-	-	-	-	-	\$1,883,543	\$1,883,543
Total:	-	\$3,213,520	-	\$1,657,215	\$1,700,528	\$1,745,258	\$5,511,714	\$13,828,235

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$153,222	-	\$78,915	\$80,978	\$83,108	\$262,464	\$658,687
Construction	-	\$2,836,420	-	\$1,578,300	\$1,619,550	\$1,662,150	\$5,249,250	\$12,945,670
Design	-	\$211,378	-	-	-	-	-	\$211,378
Land Acquisition	-	\$12,500	-	-	-	-	-	\$12,500
Total	-	\$3,213,520	-	\$1,657,215	\$1,700,528	\$1,745,258	\$5,511,714	\$13,828,235

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	\$1,020,250	-	-	-	-	-	-	\$1,020,250
Total:	\$1,020,250	-	-	-	-	-	-	\$1,020,250

Transportation Project Detail Fiscal Years 2019 - 2023

Storm Sewer

CP0818 - Venture Out Drainage

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	\$2,511	\$1,181,727	-	-	-	-	-	\$1,184,238
Total:	\$2,511	\$1,431,727	-	-	-	-	-	\$1,434,238

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$113	\$68,205	-	-	-	-	-	\$68,318
Construction	-	\$968,453	-	-	-	-	-	\$968,453
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	\$2,398	\$145,069	-	-	-	-	-	\$147,467
Total	\$2,511	\$1,431,727	-	-	-	-	-	\$1,434,238

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
Total:	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0279 - 1st Avenue Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$571,172	\$2,510,701	-	-	-	-	-	\$3,081,873
2014 Electric Bond	\$2,682	-	-	-	-	-	-	\$2,682
2014 Gas Bond	\$2,436	-	-	-	-	-	-	\$2,436
2014 Wastewater Bond	\$34	-	-	-	-	-	-	\$34
2014 Water Bond	\$724	-	-	-	-	-	-	\$724
2020 Electric Bond	-	-	-	\$2,287,204	-	-	-	\$2,287,204
2020 Gas Bond	-	-	-	\$2,166,177	-	-	-	\$2,166,177
2020 Street Bond	-	-	-	\$542,936	\$5,356,438	-	-	\$5,899,374
2020 Wastewater Bond	-	-	-	\$521,700	-	-	-	\$521,700
2020 Water Bond	-	-	-	\$1,990,692	-	-	-	\$1,990,692
Local Streets Fund	-	\$1,000,000	-	-	-	-	-	\$1,000,000
Total:	\$577,048	\$3,510,701	-	\$7,508,709	\$5,356,438	-	-	\$16,952,896

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$24,930	\$47,619	-	\$839,843	\$249,805	-	-	\$1,162,197
Construction	\$286,570	\$3,463,082	-	\$6,015,633	\$4,995,403	-	-	\$14,760,688
Design	\$265,548	-	-	\$517,082	-	-	-	\$782,630
Direct Expenses	-	-	-	\$132,922	-	-	-	\$132,922
Land Acquisition	-	-	-	\$3,229	\$111,230	-	-	\$114,459
Total	\$577,048	\$3,510,701	-	\$7,508,709	\$5,356,438	-	-	\$16,952,896

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0439 - Arterial Reconstruction

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2008 Street Bond	\$231,986	-	-	-	-	-	-	\$231,986
2010 Gas Bond	\$13,744	-	-	-	-	-	-	\$13,744
2010 Water Bond	\$219,929	-	-	-	-	-	-	\$219,929
2013 Street Bond	\$6,948,112	\$2,075,000	-	-	-	-	-	\$9,023,112
2014 Water Bond	\$361,853	-	-	-	-	-	-	\$361,853
Local Streets Fund	\$154,688	-	-	-	-	-	-	\$154,688
Utility Replacement Extension and Renewal - WW	\$54,134	\$12,206	-	-	-	-	-	\$66,340
Total:	\$7,984,446	\$2,087,206	-	-	-	-	-	\$10,071,652

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$326,228	\$1,823	-	-	-	-	-	\$328,051
Construction	\$7,416,426	\$2,085,383	-	-	-	-	-	\$9,501,809
Design	\$237,655	-	-	-	-	-	-	\$237,655
Direct Expenses	\$198	-	-	-	-	-	-	\$198
Land Acquisition	\$3,939	-	-	-	-	-	-	\$3,939
Total	\$7,984,446	\$2,087,206	-	-	-	-	-	\$10,071,652

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0861 - Arterial Reconstructions

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$568,698	-	-	-	\$568,698
2020 Street Bond	-	-	-	\$972,233	\$20,298,630	\$9,453,479	-	\$30,724,342
2020 Water Bond	-	-	-	\$923,718	-	-	-	\$923,718
Future Street Bond	-	-	-	-	-	-	\$11,507,113	\$11,507,113
Total:	-	-	-	\$2,464,649	\$20,298,630	\$9,453,479	\$11,507,113	\$43,723,871

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$189,455	\$966,601	\$450,166	\$547,958	\$2,154,180
Construction	-	-	-	\$1,309,063	\$19,245,653	\$9,003,313	\$10,421,000	\$39,979,029
Design	-	-	-	\$957,503	\$86,376	-	\$538,155	\$1,582,034
Direct Expenses	-	-	-	\$8,628	-	-	-	\$8,628
Total	-	-	-	\$2,464,649	\$20,298,630	\$9,453,479	\$11,507,113	\$43,723,871

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0658 - Baseline Road: 24th Street to the Consolidated Canal

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$426,742	\$4,463,965	-	-	-	-	-	\$4,890,707
Total:	\$426,742	\$4,463,965	-	-	-	-	-	\$4,890,707

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$17,899	-	-	-	-	-	-	\$17,899
Construction	\$5,637	\$4,463,965	-	-	-	-	-	\$4,469,602
Design	\$395,931	-	-	-	-	-	-	\$395,931
Land Acquisition	\$7,275	-	-	-	-	-	-	\$7,275
Total	\$426,742	\$4,463,965	-	-	-	-	-	\$4,890,707

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0780 - Bridge Safety Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$78,521	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,305,381
Total:	\$78,521	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,305,381

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$3,501	\$20,917	\$11,228	\$11,545	\$11,846	\$12,158	\$38,396	\$109,591
Construction	\$62,083	\$412,957	\$220,126	\$226,343	\$232,259	\$238,368	\$752,791	\$2,144,927
Design	\$12,937	\$4,328	\$4,429	\$4,554	\$4,673	\$4,796	\$15,146	\$50,863
Total	\$78,521	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,305,381

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0029 - Broadway Road: Country Club to Mesa Drive

Project Description

Construct lane extensions around the intersections and various roadway improvements from Country Club to Mesa Drive.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Electric Bond	-	-	-	\$505,088	\$9,191,436	-	-	\$9,696,524
2020 Gas Bond	-	-	-	\$116,635	\$1,628,292	-	-	\$1,744,927
2020 Street Bond	-	-	-	\$1,970,663	\$5,273,948	\$5,412,672	-	\$12,657,283
2020 Water Bond	-	-	-	\$201,364	\$1,750,336	-	-	\$1,951,700
Total:	-	-	-	\$2,793,750	\$17,844,012	\$5,412,672	-	\$26,050,434

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$186,348	\$1,919,941	\$257,746	-	\$2,364,035
Construction	-	-	-	\$228,970	\$15,724,642	\$5,154,926	-	\$21,108,538
Design	-	-	-	\$1,937,402	-	-	-	\$1,937,402
Direct Expenses	-	-	-	-	\$199,429	-	-	\$199,429
Land Acquisition	-	-	-	\$441,030	-	-	-	\$441,030
Total	-	-	-	\$2,793,750	\$17,844,012	\$5,412,672	-	\$26,050,434

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$45,167	\$45,167
Highway User Revenue Fund	-	-	-	-	-	-	\$134,463	\$134,463
Total:	-	-	-	-	-	-	\$179,630	\$179,630

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0666 - Broadway Road: Lesueur to Spur

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	-	\$156,644	-	-	-	-	-	\$156,644
2014 Gas Bond	-	\$135,482	-	-	-	-	-	\$135,482
2014 Water Bond	-	\$527,774	-	-	-	-	-	\$527,774
2020 Electric Bond	-	-	-	\$2,922,965	-	-	-	\$2,922,965
2020 Gas Bond	-	-	-	\$1,939,446	-	-	-	\$1,939,446
2020 Street Bond	-	-	-	\$11,670,114	\$9,967,670	-	-	\$21,637,784
2020 Water Bond	-	-	-	\$4,704,160	-	-	-	\$4,704,160
Local Streets Fund	-	\$1,628,166	-	-	-	-	-	\$1,628,166
Total:	-	\$2,448,066	-	\$21,236,685	\$9,967,670	-	-	\$33,652,421

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$74,266	-	\$1,522,745	\$474,651	-	-	\$2,071,662
Construction	-	-	-	\$18,112,647	\$9,493,019	-	-	\$27,605,666
Design	-	\$2,373,800	-	-	-	-	-	\$2,373,800
Direct Expenses	-	-	-	\$149,294	-	-	-	\$149,294
Land Acquisition	-	-	-	\$1,451,999	-	-	-	\$1,451,999
Total	-	\$2,448,066	-	\$21,236,685	\$9,967,670	-	-	\$33,652,421

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0710 - Broadway Road Streetscape: Tempe City Limits to Gilbert Road

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$579	-	-	-	-	-	-	\$579
Local Streets Fund	\$372,668	\$1,128,356	-	-	-	-	-	\$1,501,024
Total:	\$373,247	\$1,128,356	-	-	-	-	-	\$1,501,603

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$15,883	\$54,837	-	-	-	-	-	\$70,720
Design	\$357,364	\$1,073,519	-	-	-	-	-	\$1,430,883
Total	\$373,247	\$1,128,356	-	-	-	-	-	\$1,501,603

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0856 - Country Club and Main Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	-	\$200,000	-	-	-	-	-	\$200,000
Local Streets Fund	-	\$200,000	-	-	-	-	-	\$200,000
Total:	-	\$400,000	-	-	-	-	-	\$400,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$19,048	-	-	-	-	-	\$19,048
Construction	-	\$380,952	-	-	-	-	-	\$380,952
Total	-	\$400,000	-	-	-	-	-	\$400,000

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0736 - Country Club Underpass

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$8,634	\$741,599	-	-	-	-	-	\$750,233
Total:	\$8,634	\$741,599	-	-	-	-	-	\$750,233

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$388	\$35,338	-	-	-	-	-	\$35,726
Construction	-	\$704,926	-	-	-	-	-	\$704,926
Design	\$8,247	\$1,335	-	-	-	-	-	\$9,582
Total	\$8,635	\$741,599	-	-	-	-	-	\$750,234

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0348 - East Mesa Service Center Wash Rack

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$53,749	\$474,851	-	-	-	-	-	\$528,600
General Fund	\$872	-	-	-	-	-	-	\$872
Local Streets Fund	\$7,215	\$332,085	-	-	-	-	-	\$339,300
Total:	\$61,836	\$806,936	-	-	-	-	-	\$868,772

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$2,659	\$39,364	-	-	-	-	-	\$42,023
Construction	\$21,119	\$730,951	-	-	-	-	-	\$752,070
Design	\$38,058	\$36,621	-	-	-	-	-	\$74,679
Total	\$61,836	\$806,936	-	-	-	-	-	\$868,772

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0217 - Eastside Improvements at Phoenix-Mesa Gateway Airport

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468
Total:	-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$140,343	\$93,489	-	-	-	-	\$233,832
Design	-	\$2,806,860	\$1,869,776	-	-	-	-	\$4,676,636
Total	-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0342 - Economic Development

Project Description

Provide discretionary funding for required street improvements associated with significant economic development projects.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$388,800	\$397,859	\$409,095	-	-	-	\$1,195,754
2014 Water Bond	-	\$713,733	\$730,362	\$750,993	-	-	-	\$2,195,088
2020 Street Bond	-	-	-	\$2,000,000	\$2,000,000	\$2,000,000	\$4,000,068	\$10,000,068
Total:	-	\$1,102,533	\$1,128,221	\$3,160,088	\$2,000,000	\$2,000,000	\$4,000,068	\$13,390,910

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$69,200	\$70,812	\$168,051	\$95,238	\$95,238	\$190,480	\$689,019
Construction	-	\$999,999	\$1,023,299	\$2,956,962	\$1,904,762	\$1,904,762	\$3,809,588	\$12,599,372
Direct Expenses	-	\$33,334	\$34,110	\$35,075	-	-	-	\$102,519
Total	-	\$1,102,533	\$1,128,221	\$3,160,088	\$2,000,000	\$2,000,000	\$4,000,068	\$13,390,910

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0571 - Elliot Road Improvements: Ellsworth to Signal Butte

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$794,688	\$5,716,630	-	-	-	-	-	\$6,511,318
Local Streets Fund	\$284,548	-	-	-	-	-	-	\$284,548
Transportation	-	\$14,588,531	-	-	-	-	-	\$14,588,531
Total:	\$1,079,236	\$20,305,161	-	-	-	-	-	\$21,384,397

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$45,912	\$631,607	-	-	-	-	-	\$677,519
Construction	\$6,708	\$17,623,554	-	-	-	-	-	\$17,630,262
Construction- Grant	-	\$1,000,000	-	-	-	-	-	\$1,000,000
Design	\$1,024,296	-	-	-	-	-	-	\$1,024,296
Direct Expenses	-	\$1,050,000	-	-	-	-	-	\$1,050,000
Land Acquisition	\$2,320	-	-	-	-	-	-	\$2,320
Total	\$1,079,236	\$20,305,161	-	-	-	-	-	\$21,384,397

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$4,991	\$5,107	\$5,251	\$5,389	\$5,531	\$17,466	\$43,735
Highway User Revenue Fund	-	\$43,307	\$44,316	\$45,568	\$46,759	\$47,988	\$151,552	\$379,490
Total:	-	\$48,298	\$49,423	\$50,819	\$52,148	\$53,519	\$169,018	\$423,225

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0806 - EVIT Decorative Tree Lighting Project

Project Description

Performs electrical work and installs decorative tree lighting along the main street frontage of the downtown EVIT campus.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$100,236	\$8,622	-	-	-	-	-	\$108,858
Total:	\$100,236	\$8,622	-	-	-	-	-	\$108,858

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$4,464	\$736	-	-	-	-	-	\$5,200
Construction	\$82,476	\$5,634	-	-	-	-	-	\$88,110
Design	\$12,541	-	-	-	-	-	-	\$12,541
Land Acquisition	\$755	\$2,252	-	-	-	-	-	\$3,007
Total	\$100,236	\$8,622	-	-	-	-	-	\$108,858

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CN0056 - Gilbert Road Bridge IGA

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	-	\$700,000	-	-	-	-	-	\$700,000
Total:	-	\$700,000	-	-	-	-	-	\$700,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$700,000	-	-	-	-	-	\$700,000
Total	-	\$700,000	-	-	-	-	-	\$700,000

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0109 - MAG Projects Local Match

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095
Total:	-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$19,850	\$20,313	\$20,886	\$21,432	-	-	\$82,481
Direct Expenses	-	\$397,000	\$406,250	\$417,723	\$428,641	-	-	\$1,649,614
Total	-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0668 - Main Street Tree Revitalization

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452
Total:	\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$2,115	\$17,566	\$6,396	-	-	-	-	\$26,077
Construction	-	\$300,000	\$127,913	-	-	-	-	\$427,913
Design	\$46,473	\$41,989	-	-	-	-	-	\$88,462
Total	\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0776 - McDowell Underpass Erosion

Project Description

Correct erosion issue on retaining wall at the McDowell underpass.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$7,140	\$1,440,554	-	-	-	-	-	\$1,447,694
Total:	\$7,140	\$1,440,554	-	-	-	-	-	\$1,447,694

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$321	\$68,627	-	-	-	-	-	\$68,948
Construction	-	\$1,299,210	-	-	-	-	-	\$1,299,210
Design	\$6,819	\$72,717	-	-	-	-	-	\$79,536
Total	\$7,140	\$1,440,554	-	-	-	-	-	\$1,447,694

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

C01400 - Mesa Drive Phase II

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Electric Bond	\$249,250	-	-	-	-	-	-	\$249,250
2010 Gas Bond	\$11,181	-	-	-	-	-	-	\$11,181
2010 Water Bond	\$83,169	-	-	-	-	-	-	\$83,169
2013 Street Bond	\$1,474,607	\$6,000,000	\$6,446,790	-	-	-	-	\$13,921,397
2014 Electric Bond	-	\$2,772,251	-	-	-	-	-	\$2,772,251
2014 Wastewater Bond	\$6,479	\$159,067	-	-	-	-	-	\$165,546
2014 Water Bond	-	\$1,842,810	-	-	-	-	-	\$1,842,810
Transportation	-	-	\$7,980,794	-	-	-	-	\$7,980,794
Utility Replacement Extension and Renewal - WW	-	\$203,050	-	-	-	-	-	\$203,050
Total:	\$1,824,686	\$10,977,178	\$14,427,584	-	-	-	-	\$27,229,448

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$89,930	\$531,286	\$687,028	-	-	-	-	\$1,308,244
Construction	\$1,207	\$10,432,976	\$10,670,656	-	-	-	-	\$21,104,839
Design	\$1,544,227	-	-	-	-	-	-	\$1,544,227
Direct Expenses	\$820	\$12,916	-	-	-	-	-	\$13,736
Land Acquisition	\$188,502	-	\$3,069,900	-	-	-	-	\$3,258,402
Total	\$1,824,686	\$10,977,178	\$14,427,584	-	-	-	-	\$27,229,448

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$5,107	\$5,251	\$5,389	\$5,531	\$17,466	\$38,744
Highway User Revenue Fund	-	-	\$44,316	\$45,568	\$46,759	\$47,988	\$151,552	\$336,183
Total:	-	-	\$49,423	\$50,819	\$52,148	\$53,519	\$169,018	\$374,927

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CN0062 - Pavement Rehab-Adobe Rd-Higley to Recker (IGA)

Project Description

Intergovernmental Agreement between Maricopa County and City of Mesa for the Pavement Rehabilitation of Adobe Road from Higley to Recker.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	-	\$68,097	-	-	-	-	-	\$68,097
Total:	-	\$68,097	-	-	-	-	-	\$68,097

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Construction	-	\$68,097	-	-	-	-	-	\$68,097
Total	-	\$68,097	-	-	-	-	-	\$68,097

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

C06040 - Pecos Road Improvements: Ellsworth Road to Meridian Road

Project Description

Improve mobility and access in this area of Pecos Road, completing any sections that have not been completed by adjacent development at the time of development construction.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	\$10,000,000	-	-	-	\$10,000,000
Future Street Bond	-	-	-	-	-	-	\$43,890,914	\$43,890,914
Total:	-	-	-	\$10,000,000	-	-	\$43,890,914	\$53,890,914

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	-	-	\$765,151	\$765,151
Construction	-	-	-	-	-	-	\$39,021,125	\$39,021,125
Design	-	-	-	-	-	-	\$3,498,351	\$3,498,351
Direct Expenses	-	-	-	\$10,000,000	-	-	-	\$10,000,000
Land Acquisition	-	-	-	-	-	-	\$606,287	\$606,287
Total	-	-	-	\$10,000,000	-	-	\$43,890,914	\$53,890,914

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0281 - Pedestrian Connection West of Dobson Road

Project Description

Improve roadway and sidewalks to positively increase the pedestrian experience along the light rail. Also, construct a turnaround for public safety vehicles.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	-	-	\$225,126	-	-	-	-	\$225,126
Total:	-	-	\$225,126	-	-	-	-	\$225,126

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$10,720	-	-	-	-	\$10,720
Construction	-	-	\$214,406	-	-	-	-	\$214,406
Total	-	-	\$225,126	-	-	-	-	\$225,126

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
Highway User Revenue Fund	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
Total:	-	-	-	\$6,313	\$6,478	\$6,648	\$20,998	\$40,437

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0104 - Power Road Improvements: East Maricopa Floodway to Loop 202

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372
Total:	-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$114,902	\$56,786	\$1,295,483	-	\$1,467,171
Construction	-	-	-	-	\$574,788	\$25,909,653	-	\$26,484,441
Design	-	-	-	\$2,298,054	-	-	-	\$2,298,054
Land Acquisition	-	-	-	-	\$1,135,706	-	-	\$1,135,706
Total	-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$23,585	\$23,585
Highway User Revenue Fund	-	-	-	-	-	-	\$204,647	\$204,647
Total:	-	-	-	-	-	-	\$228,232	\$228,232

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0426 - Railroad Quiet Zone

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$720,399	\$66,592	-	-	-	-	-	\$786,991
Total:	\$720,399	\$66,592	-	-	-	-	-	\$786,991

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$31,228	\$3,069	-	-	-	-	-	\$34,297
Construction	\$658,458	\$63,523	-	-	-	-	-	\$721,981
Design	\$30,713	-	-	-	-	-	-	\$30,713
Total	\$720,399	\$66,592	-	-	-	-	-	\$786,991

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0660 - Railroad Right of Way Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$7,908	\$72,558	-	-	-	-	-	\$80,466
Total:	\$7,908	\$72,558	-	-	-	-	-	\$80,466

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$323	\$3,471	-	-	-	-	-	\$3,794
Construction	\$118	\$69,087	-	-	-	-	-	\$69,205
Design	\$7,467	-	-	-	-	-	-	\$7,467
Total	\$7,908	\$72,558	-	-	-	-	-	\$80,466

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CN0065 - Rio Salado Pathway-Public Art Project

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	-	\$50,000	-	-	-	-	-	\$50,000
Total:	-	\$50,000	-	-	-	-	-	\$50,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$50,000	-	-	-	-	-	\$50,000
Total	-	\$50,000	-	-	-	-	-	\$50,000

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0528 - Roosevelt Road Improvements: Broadway Road to 8th Avenue

Project Description

Widen Roosevelt Road between Broadway Road and 8th Avenue from the current half street (east side only improved) to a collector street.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$42,354	-	-	-	-	-	-	\$42,354
Local Streets Fund	\$156,044	\$831,497	-	-	-	-	-	\$987,541
Total:	\$198,398	\$831,497	-	-	-	-	-	\$1,029,895

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$8,414	\$41,774	-	-	-	-	-	\$50,188
Construction	\$7,058	\$789,723	-	-	-	-	-	\$796,781
Design	\$180,673	-	-	-	-	-	-	\$180,673
Land Acquisition	\$2,253	-	-	-	-	-	-	\$2,253
Total	\$198,398	\$831,497	-	-	-	-	-	\$1,029,895

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0729 - Signal Butte Road Improvements: Williams Field to Pecos

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	\$8,786,540	-	-	-	\$8,786,540
Local Streets Fund	-	\$1,044,816	-	-	-	-	-	\$1,044,816
Total:	-	\$1,044,816	-	\$8,786,540	-	-	-	\$9,831,356

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$49,753	-	\$409,608	-	-	-	\$459,361
Construction	-	-	-	\$6,540,711	-	-	-	\$6,540,711
Design	-	\$995,063	-	-	-	-	-	\$995,063
Land Acquisition	-	-	-	\$1,836,221	-	-	-	\$1,836,221
Total	-	\$1,044,816	-	\$8,786,540	-	-	-	\$9,831,356

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$5,389	\$5,531	\$17,466	\$28,386
Highway User Revenue Fund	-	-	-	-	\$46,759	\$47,988	\$151,552	\$246,299
Total:	-	-	-	-	\$52,148	\$53,519	\$169,018	\$274,685

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0844 - Southern Avenue & Country Club Drive Roadways

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Electric Bond	-	-	-	\$29,193	\$370,745	-	-	\$399,938
2020 Gas Bond	-	-	-	\$81,905	\$2,007,144	-	-	\$2,089,049
2020 Street Bond	-	-	-	\$691,682	\$10,443,856	-	-	\$11,135,538
2020 Wastewater Bond	-	-	-	\$620,509	-	-	-	\$620,509
2020 Water Bond	-	-	-	\$4,108,883	-	-	-	\$4,108,883
Total:	-	-	-	\$5,532,172	\$12,821,745	-	-	\$18,353,917

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$328,797	\$871,663	-	-	\$1,200,460
Construction	-	-	-	\$2,431,208	\$11,948,081	-	-	\$14,379,289
Design	-	-	-	\$2,299,165	-	-	-	\$2,299,165
Direct Expenses	-	-	-	\$166,812	\$2,001	-	-	\$168,813
Land Acquisition	-	-	-	\$306,190	-	-	-	\$306,190
Total	-	-	-	\$5,532,172	\$12,821,745	-	-	\$18,353,917

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
Highway User Revenue Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
Total:	-	-	-	-	-	\$9,052	\$28,590	\$37,642

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0800 - Southern Avenue & Stapley Drive Intersection

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$9,848	\$228,956	\$2,903,409	-	-	-	-	\$3,142,213
2014 Water Bond	\$3,798	\$276,866	-	-	-	-	-	\$280,664
Grants - Gen. Gov.	-	-	\$6,315,471	-	-	-	-	\$6,315,471
Local Streets Fund	\$121,453	\$781,524	-	-	-	-	-	\$902,977
Transportation	-	\$660,975	\$7,871,513	-	-	-	-	\$8,532,488
Total:	\$135,099	\$1,948,321	\$17,090,393	-	-	-	-	\$19,173,813

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$7,177	\$112,805	\$1,153,228	-	-	-	-	\$1,273,210
Construction	-	\$295,600	\$15,937,165	-	-	-	-	\$16,232,765
Design	\$127,922	\$910,416	-	-	-	-	-	\$1,038,338
Land Acquisition	-	\$629,500	-	-	-	-	-	\$629,500
Total	\$135,099	\$1,948,321	\$17,090,393	-	-	-	-	\$19,173,813

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$3,111	\$3,193	\$3,277	\$10,349	\$19,930
Highway User Revenue Fund	-	-	-	\$5,484	\$5,627	\$5,775	\$18,241	\$35,127
Total:	-	-	-	\$8,595	\$8,820	\$9,052	\$28,590	\$55,057

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0061 - Southern Avenue Improvements: Gilbert Road to Val Vista Drive

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	-	-	\$24,401	-	-	-	-	\$24,401
2014 Water Bond	-	-	\$151,858	-	-	-	-	\$151,858
2020 Wastewater Bond	-	-	-	\$253,296	-	-	-	\$253,296
2020 Water Bond	-	-	-	\$1,577,080	-	-	-	\$1,577,080
Transportation	-	-	\$1,137,404	\$6,000,420	-	-	-	\$7,137,824
Total:	-	-	\$1,313,663	\$7,830,796	-	-	-	\$9,144,459

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	\$64,565	\$393,766	-	-	-	\$458,331
Construction	-	-	-	\$7,391,268	-	-	-	\$7,391,268
Design	-	-	\$1,013,535	-	-	-	-	\$1,013,535
Direct Expenses	-	-	\$1,023	\$45,762	-	-	-	\$46,785
Land Acquisition	-	-	\$234,540	-	-	-	-	\$234,540
Total	-	-	\$1,313,663	\$7,830,796	-	-	-	\$9,144,459

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$3,440	\$3,531	\$11,149	\$18,120
Highway User Revenue Fund	-	-	-	-	\$10,241	\$10,510	\$33,193	\$53,944
Total:	-	-	-	-	\$13,681	\$14,041	\$44,342	\$72,064

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0700 - Southern Avenue Improvements: Greenfield to Higley

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$376	-	-	-	-	-	-	\$376
2013 Street Bond	\$384,161	\$598,902	-	-	-	-	-	\$983,063
Transportation	\$45	\$6,595,046	-	-	-	-	-	\$6,595,091
Total:	\$384,582	\$7,193,948	-	-	-	-	-	\$7,578,530

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$16,093	\$314,052	-	-	-	-	-	\$330,145
Construction	\$587	\$6,874,896	-	-	-	-	-	\$6,875,483
Design	\$364,532	-	-	-	-	-	-	\$364,532
Direct Expenses	-	\$5,000	-	-	-	-	-	\$5,000
Land Acquisition	\$3,369	-	-	-	-	-	-	\$3,369
Total	\$384,581	\$7,193,948	-	-	-	-	-	\$7,578,529

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$3,260	\$3,352	\$3,440	\$3,531	\$11,149	\$24,732
Highway User Revenue Fund	-	-	\$9,705	\$9,979	\$10,241	\$10,510	\$33,193	\$73,628
Total:	-	-	\$12,965	\$13,331	\$13,681	\$14,041	\$44,342	\$98,360

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

C05041 - Stapley Drive and University Drive Intersection

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$20,240	\$502,137	-	-	\$522,377
2020 Street Bond	-	-	-	\$6,796,989	\$2,952,695	-	-	\$9,749,684
2020 Water Bond	-	-	-	\$95,684	\$982,243	-	-	\$1,077,927
Total:	-	-	-	\$6,912,913	\$4,437,075	-	-	\$11,349,988

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$323,702	\$276,377	-	-	\$600,079
Construction	-	-	-	\$180,831	\$4,151,103	-	-	\$4,331,934
Design	-	-	-	\$393,953	-	-	-	\$393,953
Direct Expenses	-	-	-	\$17	\$9,595	-	-	\$9,612
Land Acquisition	-	-	-	\$6,014,410	-	-	-	\$6,014,410
Total	-	-	-	\$6,912,913	\$4,437,075	-	-	\$11,349,988

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
Highway User Revenue Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
Total:	-	-	-	-	-	\$9,052	\$28,590	\$37,642

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CN0003 - Street Improvement Cityshare

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$650,114	\$1,304,000	-	-	-	-	-	\$1,954,114
2020 Street Bond	-	-	-	\$400,000	\$400,000	\$400,000	\$800,000	\$2,000,000
Future Street Bond	-	-	-	-	-	-	\$3,587,700	\$3,587,700
Total:	\$650,114	\$1,304,000	-	\$400,000	\$400,000	\$400,000	\$4,387,700	\$7,541,814

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Construction	\$650,114	\$1,304,000	-	\$400,000	\$400,000	\$400,000	\$4,387,700	\$7,541,814
Total	\$650,114	\$1,304,000	-	\$400,000	\$400,000	\$400,000	\$4,387,700	\$7,541,814

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Local Streets Fund	-	-	-	\$92,909	\$95,338	\$97,845	\$309,006	\$595,098
Total:	-	-	-	\$92,909	\$95,338	\$97,845	\$309,006	\$595,098

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0294 - Streetlight Spot Improvement

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2013 Street Bond	\$336,860	-	-	-	-	-	-	\$336,860
Future Street Bond	-	-	-	-	-	-	\$421,913	\$421,913
Local Streets Fund	-	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$812,711	\$2,669,603
Total:	\$336,860	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$1,234,624	\$3,428,376

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$10,488	\$16,800	\$17,191	\$17,677	\$18,139	\$18,616	\$58,792	\$157,703
Construction	\$326,372	\$336,000	\$343,829	\$353,539	\$362,779	\$372,322	\$1,175,832	\$3,270,673
Total	\$336,860	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$1,234,624	\$3,428,376

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Local Streets Fund	-	\$7,500	\$15,350	\$15,783	\$16,196	\$16,622	\$52,494	\$123,945
Total:	-	\$7,500	\$15,350	\$15,783	\$16,196	\$16,622	\$52,494	\$123,945

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

CP0532 - Transportation Neighborhood Improvement Projects

Project Description

Install ADA Ramps and missing sidewalks citywide to improve accessibility.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Local Streets Fund	\$413,329	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,113
Total:	\$413,329	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,113

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$18,358	\$37,449	\$21,131	\$21,728	\$22,296	\$22,882	\$72,264	\$216,108
Construction	\$349,001	\$350,000	\$358,156	\$368,270	\$377,896	\$387,836	\$1,224,828	\$3,415,987
Design	\$44,477	\$60,800	\$47,072	\$48,401	\$49,666	\$50,973	\$160,977	\$462,366
Land Acquisition	\$1,493	\$33,188	\$17,397	\$17,887	\$18,355	\$18,838	\$59,494	\$166,652
Total	\$413,329	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,113

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$300	\$307	\$316	\$324	\$332	\$1,050	\$2,629
Highway User Revenue Fund	-	\$500	\$511	\$526	\$540	\$554	\$1,750	\$4,381
Total:	-	\$800	\$818	\$842	\$864	\$886	\$2,800	\$7,010

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0184 - Union Pacific Railroad Crossing Improvements: Dobson and Alma School

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$359	-	-	-	-	-	-	\$359
Grants - Gen. Gov.	-	\$208,592	-	-	-	-	-	\$208,592
Local Streets Fund	\$40,009	\$41,599	-	-	-	-	-	\$81,608
Total:	\$40,368	\$250,191	-	-	-	-	-	\$290,559

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,873	\$11,996	-	-	-	-	-	\$13,869
Construction	\$4,311	\$3,062	-	-	-	-	-	\$7,373
Construction- Grant	-	\$221,200	-	-	-	-	-	\$221,200
Design	\$19,968	\$649	-	-	-	-	-	\$20,617
Land Acquisition	\$14,216	\$13,284	-	-	-	-	-	\$27,500
Total	\$40,368	\$250,191	-	-	-	-	-	\$290,559

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0105 - Val Vista Drive: Baseline Road to US 60

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$1,625	-	-	-	-	-	-	\$1,625
2013 Street Bond	\$171,605	\$853,470	-	-	-	-	-	\$1,025,075
Transportation	\$1,244	\$549,150	-	-	-	-	-	\$550,394
Total:	\$174,474	\$1,402,620	-	-	-	-	-	\$1,577,094

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$7,106	\$26,158	-	-	-	-	-	\$33,264
Construction	\$340	\$1,345,274	-	-	-	-	-	\$1,345,614
Design	\$158,805	\$20,854	-	-	-	-	-	\$179,659
Direct Expenses	-	\$10,334	-	-	-	-	-	\$10,334
Land Acquisition	\$8,223	-	-	-	-	-	-	\$8,223
Total	\$174,474	\$1,402,620	-	-	-	-	-	\$1,577,094

Transportation Project Detail Fiscal Years 2019 - 2023

Streets

CP0062 - Val Vista Drive: Pueblo to US 60

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$130,476	\$2,234,569	-	-	\$2,365,045
2020 Water Bond	-	-	-	\$183,394	\$1,900,690	-	-	\$2,084,084
Transportation	-	-	-	\$1,915,491	\$6,076,662	-	-	\$7,992,153
Total:	-	-	-	\$2,229,361	\$10,211,921	-	-	\$12,441,282

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$122,428	\$753,732	-	-	\$876,160
Construction	-	-	-	-	\$9,438,560	-	-	\$9,438,560
Design	-	-	-	\$1,189,700	-	-	-	\$1,189,700
Direct Expenses	-	-	-	\$109	\$19,629	-	-	\$19,738
Land Acquisition	-	-	-	\$917,124	-	-	-	\$917,124
Total	-	-	-	\$2,229,361	\$10,211,921	-	-	\$12,441,282

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$5,531	\$17,466	\$22,997
Highway User Revenue Fund	-	-	-	-	-	\$47,988	\$151,552	\$199,540
Total:	-	-	-	-	-	\$53,519	\$169,018	\$222,537

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Streets

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
Highway User Revenue Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
Total:	-	-	-	-	-	\$9,052	\$28,590	\$37,642

Transportation Project Detail Fiscal Years 2019 - 2023

Transit

CP0809 - Bus Stop Shelters

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Street Bond	-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041
Total:	-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$13,153	\$13,496	\$13,851	\$14,216	\$54,716
Construction	-	-	-	\$263,050	\$269,925	\$277,025	\$284,325	\$1,094,325
Total	-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Transit

**CP0562 - Gilbert Road Light Rail
Concurrent Non-Project Activities**

Project Description

Replace existing utility infrastructure to accommodate the installation of the central Mesa Light Rail system extension for Gilbert Road.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$655,624	-	-	-	-	-	-	\$655,624
2014 Wastewater Bond	\$1,774,679	-	-	-	-	-	-	\$1,774,679
Utility Replacement Extension and Renewal - WW	\$1,368	\$62,062	-	-	-	-	-	\$63,430
Total:	\$2,431,671	\$62,062	-	-	-	-	-	\$2,493,733

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$181,594	\$4,681	-	-	-	-	-	\$186,275
Construction	\$2,039,225	\$57,381	-	-	-	-	-	\$2,096,606
Design	\$210,852	-	-	-	-	-	-	\$210,852
Total	\$2,431,671	\$62,062	-	-	-	-	-	\$2,493,733

**Transportation Project Detail
Fiscal Years 2019 - 2023**

Transit

CP0296 - Gilbert Road Light Rail Extension

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Transit Fund	\$16,459,063	\$19,847,467	-	-	-	-	-	\$36,306,530
Total:	\$16,459,063	\$19,847,467	-	-	-	-	-	\$36,306,530

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$587,198	\$468,927	-	-	-	-	-	\$1,056,125
Construction	\$4,406,587	\$10,000,000	-	-	-	-	-	\$14,406,587
Design	\$62,423	\$2,000,000	-	-	-	-	-	\$2,062,423
Direct Expenses	\$784,118	\$7,378,540	-	-	-	-	-	\$8,162,658
Land Acquisition	\$10,618,737	-	-	-	-	-	-	\$10,618,737
Total	\$16,459,063	\$19,847,467	-	-	-	-	-	\$36,306,530

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Environmental Compliance Fee	-	\$25,000	\$25,583	\$26,305	\$26,993	\$27,703	\$87,489	\$219,073
Transit Fund	-	-	\$3,126,182	\$3,214,471	\$3,298,484	\$3,385,246	\$14,436,404	\$27,460,787
Total:	-	\$25,000	\$3,151,765	\$3,240,776	\$3,325,477	\$3,412,949	\$14,523,893	\$27,679,860





City of Mesa

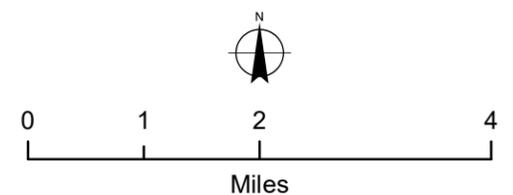
Five-Year Capital Improvement Program
FY 2019 - 2023

TRANSPORTATION

- Canal
- Projects
- Council District 1
- Council District 2
- Council District 3
- Council District 4
- Council District 5
- Council District 6

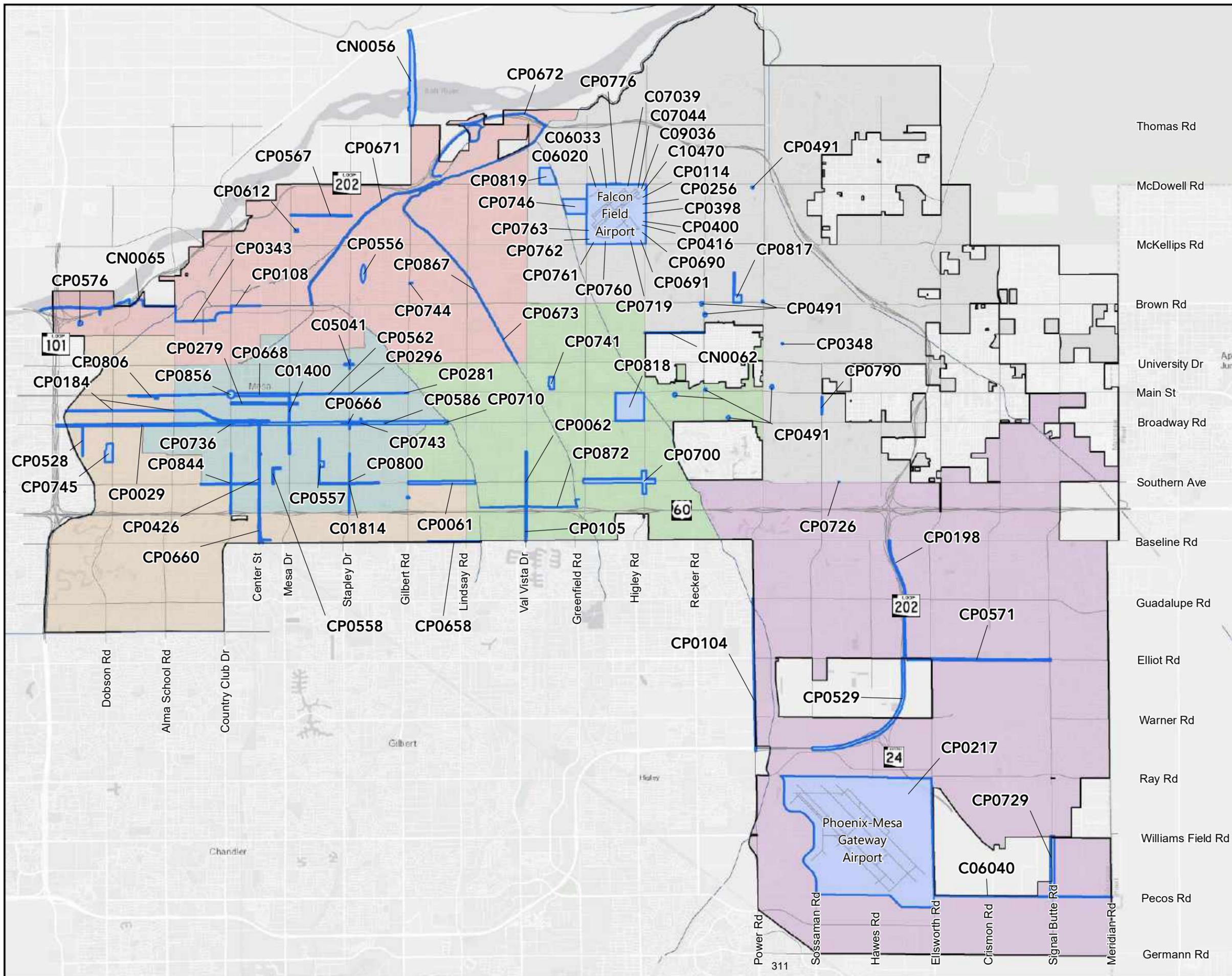
Citywide, External or Location TBD Projects

- | | | | |
|--------|--------|--------|--------|
| C06029 | CP0342 | CP0531 | CP0702 |
| CN0003 | CP0419 | CP0532 | CP0780 |
| CP0109 | CP0432 | CP0653 | CP0809 |
| CP0294 | CP0439 | CP0655 | CP0861 |

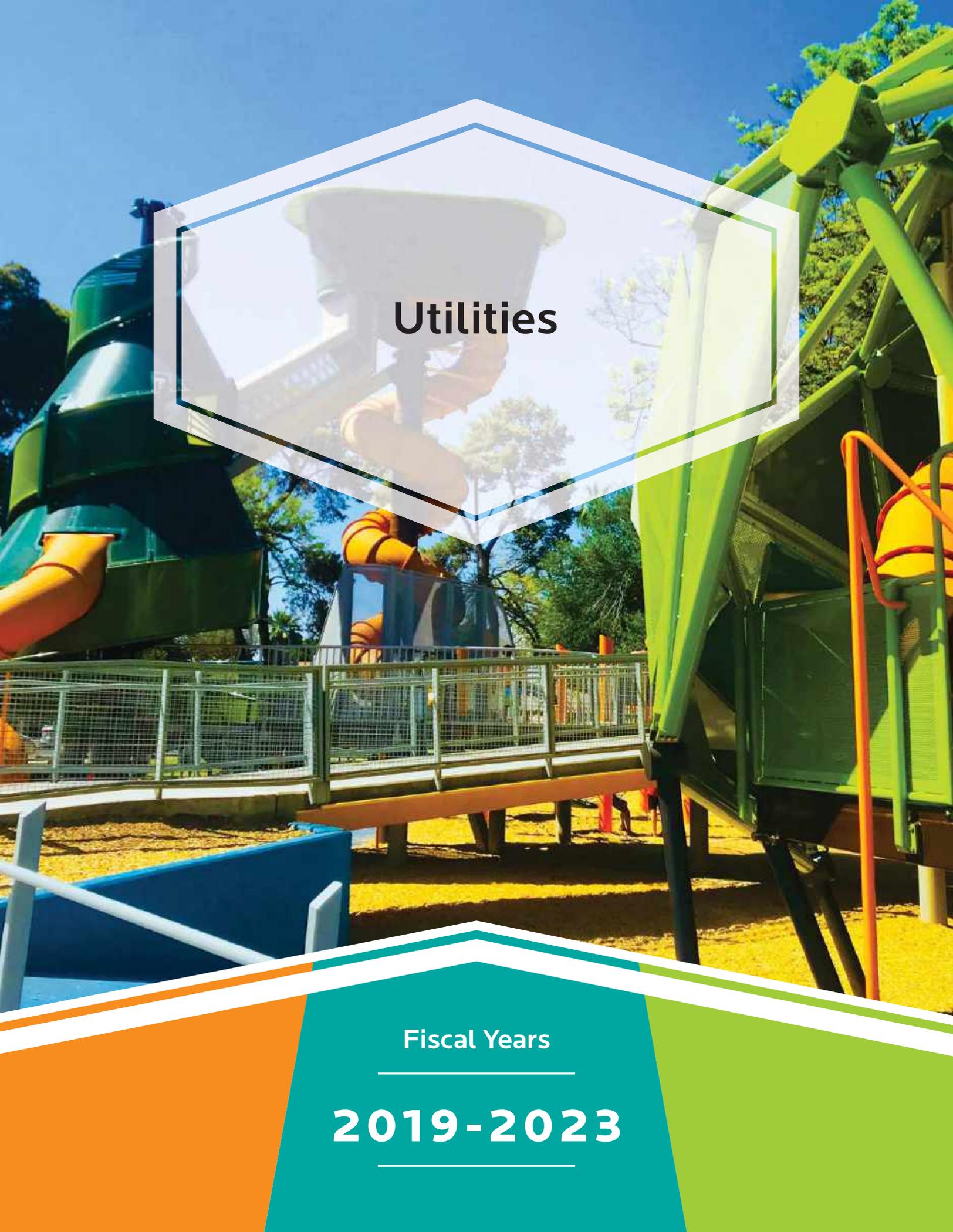


MAP CREATION DATE: 6/20/2018
MAP CREATED BY: Engineering-GIS

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- Thomas Rd
- McDowell Rd
- McKellips Rd
- Brown Rd
- University Dr
- Main St
- Broadway Rd
- Southern Ave
- Baseline Rd
- Guadalupe Rd
- Elliot Rd
- Warner Rd
- Ray Rd
- Williams Field Rd
- Pecos Rd
- Germann Rd



Utilities

Fiscal Years

2019-2023

Project Detail Pages

Utilities – Energy and Water Resources

District Cooling

Chiller Redundancy Connections	319
--------------------------------------	-----

Electric

Electric Distribution – Overhead	320
Electric Distribution – Underground	321
Electric Generation.....	322
Electric Metering.....	323
Electric Smart Grid	324
Electric Substation Improvements.....	325
Electric Systems Retirements	326
New Electric Services	327
Substation to Park Conversion	328

Environment and Sustainability

Food to Energy Project	329
Household Hazardous Waste Facility.....	330

Natural Gas Aging Infrastructure

Gas Aging Infrastructure Replacement.....	331
Gas Line Retirements.....	332
Gas Main Replacements – Magma Service Area	333
Gas Meters New and Replacement	334
Gas Meters New and Replacement	335
High Pressure Gas Main Installations	336
McKellips Road Gas Line: Lindsay to Val Vista.....	337

Project Detail Pages

Natural Gas Aging Infrastructure

McKellips Road Gas Line: Country Club to Loop 202	338
Replace Aging Utility Infrastructure	339
Rio Salado Parkway Utility Line Replacement	340
SCADA System for Natural Gas Distribution System	341
Stapley Drive Utility Line: University Drive to McKellips Road.....	342
University Drive Utility Line: Alma School to Country Club	343
Utility Line Replacement in Quarter Section 12B and 12D.....	344
Utility Line Replacement in Quarter Section 13C, 21A, and 20D	345
Utility Line Replacement in Quarter Section 14A and 14C.....	346
Utility Line Replacement in Quarter Section 20A and 20B.....	347
Utility Line Replacement in Quarter Section 21D, Clark, and Pepper	348
Warner Road Utility Infrastructure: Power to Sossaman.....	349

Natural Gas Growth

Arizona Farms Road High Pressure Main & Gate Station	350
East Valley Institute of Technology Compressed Natural Gas Fueling Station ..	351
Gas New Mains.....	352
Gas New Services	353
Higley Regulator Station; McDowell to Thomas.....	354
Magma Utility Service Center	355

Natural Gas System Reinforcement

Regulator Station Security	356
----------------------------------	-----

Wastewater Contractual Obligations

91st Ave Wastewater Treatment Plant Upgrade	357
---	-----

Project Detail Pages

Wastewater Contractual Obligations

Wastewater Main Oversize & Extensions – City Share.....	358
---	-----

Wastewater Customer Demand - Citywide

New Lift Stations.....	359
New Sewer Lines – Other Areas	360
Odor Control Master Plan.....	361
Sewer Line Extensions to Unsewered Areas	362

Wastewater Customer Demand in Southeast Mesa

Greenfield Wastewater Reclamation Plant Expansion	363
Greenfield Wastewater Reclamation Plant Expansion – Mesa Share.....	364
New Sewer Lines – Phoenix-Mesa Gateway Development Plan.....	365
New Sewer Lines – Southeast Mesa	366
Wastewater Improvements at ASU Polytechnic.....	367
Williams Field Road Sewer: Ellsworth to Mountain	368

Wastewater Lifecycle

Diversion Structures Rehabilitation.....	369
Greenfield Water Reclamation Plant Equipment Replacement	370
Greenfield Water Reclamation Plant Equipment – Mesa Share	371
Greenfield Water Reclamation Plant Headworks/Solids Upgrades.....	372
Greenfield Water Reclamation Plant Headworks/Solids Upgrade – Mesa Share	373
Greenfield Water Reclamation Plant Major Improvements.....	374
Greenfield Water Reclamation Plant Major Improvements – Mesa Share	375
Greenfield Water Reclamation Plant Miscellaneous Plant Improvements	376

Project Detail Pages

Wastewater Lifecycle

Greenfield Water Reclamation Plant Miscellaneous Plant Improvements – Mesa Share	377
Greenfield Water Reclamation Plant Rehabilitation and Equipment	378
Greenfield Water Reclamation Plant Rehabilitation and Equipment – Mesa Share	379
Greenfield Water Reclamation Plant Sludge Line Replacement.....	380
Greenfield Water Reclamation Plant Sludge Line Replacement – Mesa Share ...	381
Lift Station Rehabilitation.....	382
Manhole Rehabilitation.....	383
Metering Station Rehabilitation.....	384
Northwest Water Reclamation Plant Equipment Replacement	385
Northwest Water Reclamation Plant Major Plant Improvements	386
Northwest Water Reclamation Plant Miscellaneous Plant Improvements	387
Odor Control Station Rehabilitation and Equipment Replacement.....	388
Sewer Line Condition Assessment and Rehabilitation	389
Sewer Line Rehabilitation	390
Southeast Water Reclamation Plant Equipment Replacement.....	391
Southeast Water Reclamation Plant Major Improvements	392
Southeast Water Reclamation Plant Miscellaneous Plant Improvements	393
Southeast Water Reclamation Plant Standby Generator Radiator Replacement	394

Water Contractual Obligations

Val Vista Water Treatment Plant - Mesa Share	395
Water Rights for White Mountain Apache Water Settlement.....	396

Water Customer Demand – Citywide

Desert Wells Groundwater Well – Crismon and Pecos	397
Desert Wells Groundwater Well – Crismon and State Route 24.....	398

Project Detail Pages

Water Customer Demand – Citywide

Desert Wells Groundwater Well – Ellsworth and Pecos	399
Desert Wells Groundwater Well – Germann and Crismon	400
Desert Wells Groundwater Well – Signal Butte and Pecos.....	401
Desert Wells Groundwater Well #1 – Warner and Ellsworth	402
Desert Wells Groundwater Well #2 – Warner and Ellsworth	403
Falcon Field Groundwater Well.....	404
Transmission Main – Other Areas.....	405
Water Extensions and Oversized Mains – City Share	406
Waterline Replacement	407
Williams Gateway Well #5 – Power and Williams Field	408

Water Customer Demand – Southeast Mesa

Drill and Equipment Non-Potable Well for Southeast Mesa	409
Future Well #1 -- Crismon.....	410
Future Well #2 – Crismon	411
New Pump Stations.....	412
Signal Butte Water Treatment Plant	413
Signal Butte Water Treatment Plant Expansion	414
Transmission Mains – Southeast Mesa	415
Waterline from Central Arizona Project to Signal Butte Water Treatment Plant	416
Well Collection Lines.....	417
Well Site Acquisition	418

Project Detail Pages

Water Lifecycle

Aging Water Main Repairs.....	419
Aging Water Main Replacement and Rehabilitation.....	420
Brown Road Water Treatment Plant Major Improvements.....	421
Brown Road Water Treatment Plant Miscellaneous Improvements	422
Compliance Equipment at Water Facilities.....	423
Desert Wells 6 and 7 Connection to Falcon Field Zone	424
Desert Well 18 Equipment	425
Desert Well Zone Site Acquisition	426
Fire Hydrant Meters	427
Fire Hydrant Replacements	428
Groundwater Treatment	429
Horne Waterline Replacement; Marilyn Avenue to Southern Avenue	430
Lindsay Pump Station Rectifier Replacement.....	431
Pump Station Rehabilitation	432
Radio Communication Upgrade at Remote Water Facilities	433
Re-drill Groundwater Wells	434
Reservoir Rehabilitation	435
Signal Butte Water Treatment Plant Equipment Replacement	436
Val Vista Water Treatment Plant Major Improvements.....	437
Water Aging Main Replacement	438
Water Meter Vault Rehabilitation.....	439
Water Services Extension and Replacement	440
Water Valve Replacement.....	441
Utilities Projects Map.....	443

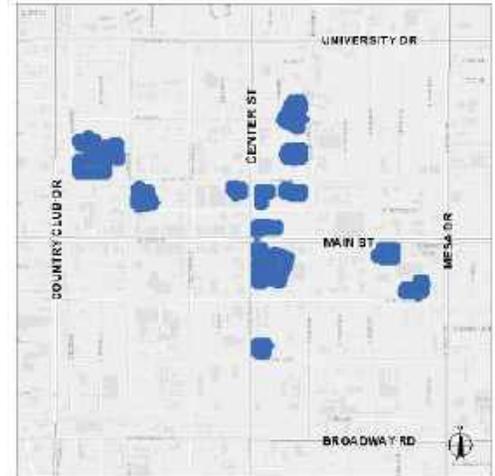
Utilities Project Detail Fiscal Years 2019 - 2023

District Cooling

CP0724 - Chiller Redundancy Connections

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
District Cooling	-	\$40,000	-	-	-	-	-	\$40,000
Total:	-	\$40,000	-	-	-	-	-	\$40,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$1,905	-	-	-	-	-	\$1,905
Design	-	\$38,095	-	-	-	-	-	\$38,095
Total	-	\$40,000	-	-	-	-	-	\$40,000

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0458 - Electric Distribution Overhead

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$1,733,414	\$577,475	\$416,026	-	-	-	-	\$2,726,915
2020 Electric Bond	-	-	-	\$630,326	\$646,800	\$663,812	\$681,305	\$2,622,243
Future Electric Bond	-	-	-	-	-	-	\$1,415,087	\$1,415,087
Total:	\$1,733,414	\$577,475	\$416,026	\$630,326	\$646,800	\$663,812	\$2,096,392	\$6,764,245

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$170,414	\$83,907	\$60,448	\$91,587	\$93,980	\$96,452	\$304,607	\$901,395
Construction	\$1,561,286	\$493,074	\$355,222	\$538,200	\$552,267	\$566,793	\$1,789,994	\$5,856,836
Design	\$1,714	-	-	-	-	-	-	\$1,714
Direct Expenses	-	\$494	\$356	\$539	\$553	\$567	\$1,791	\$4,300
Total	\$1,733,414	\$577,475	\$416,026	\$630,326	\$646,800	\$663,812	\$2,096,392	\$6,764,245

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0459 - Electric Distribution Underground

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$846,680	\$536,614	\$549,806	-	-	-	-	\$1,933,100
2020 Electric Bond	-	-	-	\$2,596,466	\$2,664,327	\$2,701,965	\$2,773,166	\$10,735,924
Future Electric Bond	-	-	-	-	-	-	\$5,759,932	\$5,759,932
Total:	\$846,680	\$536,614	\$549,806	\$2,596,466	\$2,664,327	\$2,701,965	\$8,533,098	\$18,428,956

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$73,701	\$77,970	\$79,886	\$377,264	\$387,124	\$392,593	\$1,239,852	\$2,628,390
Construction	\$741,985	\$458,186	\$469,450	\$2,216,985	\$2,274,928	\$2,307,065	\$7,285,960	\$15,754,559
Design	\$30,994	-	-	-	-	-	-	\$30,994
Direct Expenses	-	\$458	\$470	\$2,217	\$2,275	\$2,307	\$7,286	\$15,013
Total	\$846,680	\$536,614	\$549,806	\$2,596,466	\$2,664,327	\$2,701,965	\$8,533,098	\$18,428,956

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Electric	-	-	-	-	-	-	-	-
Total:	-	-	-	-	-	-	-	-

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0082 - Electric Generation

Project Description

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.

Project Expenditures by Fund



Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	-	\$292,793	\$299,615	-	-	-	-	\$592,408
2020 Electric Bond	-	-	-	\$308,077	\$316,129	\$324,444	\$332,993	\$1,281,643
Future Electric Bond	-	-	-	-	-	-	\$691,636	\$691,636
Total:	-	\$292,793	\$299,615	\$308,077	\$316,129	\$324,444	\$1,024,629	\$2,565,687

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$42,543	\$43,534	\$44,764	\$45,934	\$47,142	\$148,879	\$372,796
Construction	-	\$250,000	\$255,825	\$263,050	\$269,925	\$277,025	\$874,875	\$2,190,700
Direct Expenses	-	\$250	\$256	\$263	\$270	\$277	\$875	\$2,191
Total	-	\$292,793	\$299,615	\$308,077	\$316,129	\$324,444	\$1,024,629	\$2,565,687

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0435 - Electric Metering

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Utility Replacement Extension and Renewal	\$141,051	-	-	-	-	-	-	\$141,051
Utility Replacement Extension and Renewal - ELC	\$302,076	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,344,408
Total:	\$443,127	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,485,459

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$31,548	\$66,308	\$67,712	\$73,429	\$73,316	\$73,732	\$232,853	\$618,898
Construction	\$411,281	\$389,656	\$397,906	\$431,502	\$430,841	\$433,280	\$1,368,346	\$3,862,812
Design	\$298	-	-	-	-	-	-	\$298
Direct Expenses	-	\$389	\$398	\$431	\$431	\$433	\$1,369	\$3,451
Total	\$443,127	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,485,459

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0081 - Electric Smart Grid

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	-	\$275,225	\$119,845	-	-	-	-	\$395,070
2020 Electric Bond	-	-	-	\$123,230	-	-	-	\$123,230
Total:	-	\$275,225	\$119,845	\$123,230	-	-	-	\$518,300

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$39,990	\$17,413	\$17,905	-	-	-	\$75,308
Construction	-	\$235,000	\$102,330	\$105,220	-	-	-	\$442,550
Direct Expenses	-	\$235	\$102	\$105	-	-	-	\$442
Total	-	\$275,225	\$119,845	\$123,230	-	-	-	\$518,300

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0461 - Electric Substation Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$1,369,147	\$2,568,962	-	-	-	-	-	\$3,938,109
Utility Replacement Extension and Renewal	\$67,332	-	-	-	-	-	-	\$67,332
Total:	\$1,436,479	\$2,568,962	-	-	-	-	-	\$4,005,441

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$164,795	\$373,267	-	-	-	-	-	\$538,062
Construction	\$1,010,894	\$1,986,000	-	-	-	-	-	\$2,996,894
Design	\$259,619	\$207,500	-	-	-	-	-	\$467,119
Direct Expenses	\$1,171	\$2,195	-	-	-	-	-	\$3,366
Total	\$1,436,479	\$2,568,962	-	-	-	-	-	\$4,005,441

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Electric

CP0591 - Electric Systems Retirements

Project Description

Replace electric system infrastructure to ensure reliability.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Electric	\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337
Total:	\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,551	\$17,017	\$17,413	\$17,905	\$18,373	\$18,857	\$59,551	\$150,667
Construction	\$9,641	\$203,872	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$989,793
Direct Expenses	-	\$100	\$102	\$105	\$108	\$111	\$351	\$877
Total	\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0534 - New Electric Services

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$1,064,817	\$392,761	\$394,330	-	-	-	-	\$1,851,908
2020 Electric Bond	-	-	-	\$1,232,305	\$1,264,513	\$1,297,773	\$1,331,971	\$5,126,562
Future Electric Bond	-	-	-	-	-	-	\$2,766,537	\$2,766,537
Total:	\$1,064,817	\$392,761	\$394,330	\$1,232,305	\$1,264,513	\$1,297,773	\$4,098,508	\$9,745,007

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$90,211	\$57,068	\$57,296	\$179,053	\$183,733	\$188,565	\$595,509	\$1,351,435
Construction	\$717,393	\$335,358	\$336,697	\$1,052,200	\$1,079,700	\$1,108,100	\$3,499,500	\$8,128,948
Design	\$256,553	-	-	-	-	-	-	\$256,553
Direct Expenses	\$660	\$335	\$337	\$1,052	\$1,080	\$1,108	\$3,499	\$8,071
Total	\$1,064,817	\$392,761	\$394,330	\$1,232,305	\$1,264,513	\$1,297,773	\$4,098,508	\$9,745,007

Utilities Project Detail Fiscal Years 2019 - 2023

Electric

CP0522 - Substation to Park Conversion

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Electric Bond	\$2,218	\$191,572	-	-	-	-	-	\$193,790
Electric	\$42,005	\$114,837	-	-	-	-	-	\$156,842
Total:	\$44,223	\$306,409	-	-	-	-	-	\$350,632

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$5,460	\$17,065	-	-	-	-	-	\$22,525
Construction	-	\$281,011	-	-	-	-	-	\$281,011
Design	\$38,763	\$8,333	-	-	-	-	-	\$47,096
Total	\$44,223	\$306,409	-	-	-	-	-	\$350,632

Utilities Project Detail Fiscal Years 2019 - 2023

Environment and Sustainability

CP0870 - Food to Energy Project

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Environmental Compliance Fee	\$840	\$400,000	-	-	-	-	-	\$400,840
Total:	\$840	\$400,000	-	-	-	-	-	\$400,840

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$38	\$19,048	-	-	-	-	-	\$19,086
Design	\$802	\$380,952	-	-	-	-	-	\$381,754
Total	\$840	\$400,000	-	-	-	-	-	\$400,840

Utilities Project Detail Fiscal Years 2019 - 2023

Environment and Sustainability

CP0588 - Household Hazardous Waste Facility

Project Description

Construct a permanent Household Hazardous Waste Facility to better serve city residents.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
1994 Solid Waste Bond	\$1,587,546	\$2,605,623	-	-	-	-	-	\$4,193,169
Environmental Compliance Fee	\$345,025	\$31,491	-	-	-	-	-	\$376,516
Total:	\$1,932,571	\$2,637,114	-	-	-	-	-	\$4,569,685

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$85,502	-	-	-	-	-	-	\$85,502
Construction	\$1,517,605	\$2,615,623	-	-	-	-	-	\$4,133,228
Design	\$307,973	-	-	-	-	-	-	\$307,973
Direct Expenses	\$21,491	\$21,491	-	-	-	-	-	\$42,982
Total	\$1,932,571	\$2,637,114	-	-	-	-	-	\$4,569,685

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0483 - Gas Aging Infrastructure Replacement

Project Description

Replace necessary gas system infrastructure identified during the annual survey.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$3,752,703	\$2,183,598	\$2,053,141	-	-	-	-	\$7,989,442
2020 Gas Bond	-	-	-	\$3,721,836	\$3,764,189	\$3,992,152	\$4,167,824	\$15,646,001
Future Gas Bond	-	-	-	-	-	-	\$8,880,949	\$8,880,949
Total:	\$3,752,703	\$2,183,598	\$2,053,141	\$3,721,836	\$3,764,189	\$3,992,152	\$13,048,773	\$32,516,392

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$424,535	\$348,642	\$327,812	\$594,243	\$601,005	\$637,402	\$2,083,417	\$5,017,056
Construction	\$3,178,008	\$1,633,925	\$1,506,298	\$2,896,778	\$2,922,225	\$3,103,147	\$10,142,969	\$25,383,350
Design	\$145,160	\$199,397	\$217,308	\$227,691	\$237,799	\$248,252	\$811,435	\$2,087,042
Direct Expenses	\$5,000	\$1,634	\$1,723	\$3,124	\$3,160	\$3,351	\$10,952	\$28,944
Total	\$3,752,703	\$2,183,598	\$2,053,141	\$3,721,836	\$3,764,189	\$3,992,152	\$13,048,773	\$32,516,392

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0563 - Gas Line Retirements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Natural Gas	\$377,302	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,444,841
Total:	\$377,302	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,444,841

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$42,388	\$19,019	\$19,462	\$20,012	\$20,535	\$21,075	\$66,557	\$209,048
Construction	\$334,914	\$123,722	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,234,916
Direct Expenses	-	\$100	\$102	\$105	\$108	\$111	\$351	\$877
Total	\$377,302	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,444,841

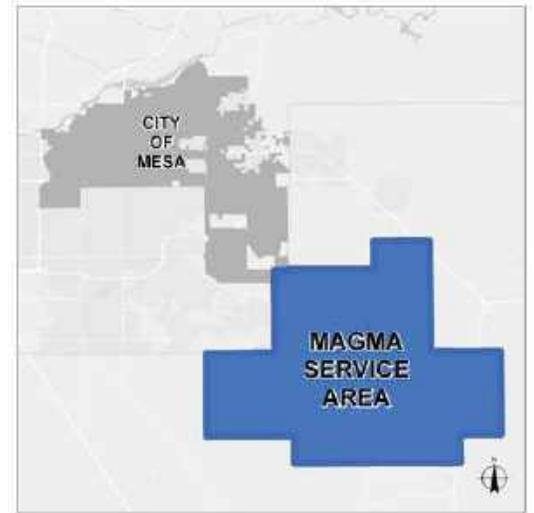
Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0482 - Gas Main Replacements - Magma Service Area

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$115	\$587,853	\$640,655	-	-	-	-	\$1,228,623
2020 Gas Bond	-	-	-	\$702,815	\$770,898	\$844,100	\$924,296	\$3,242,109
Future Gas Bond	-	-	-	-	-	-	\$2,117,572	\$2,117,572
Total:	\$115	\$587,853	\$640,655	\$702,815	\$770,898	\$844,100	\$3,041,868	\$6,588,304

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$13	\$93,859	\$102,289	\$112,214	\$123,085	\$134,773	\$485,677	\$1,051,910
Construction	\$102	\$493,500	\$537,828	\$590,011	\$647,166	\$708,619	\$2,553,637	\$5,530,863
Direct Expenses	-	\$494	\$538	\$590	\$647	\$708	\$2,554	\$5,531
Total	\$115	\$587,853	\$640,655	\$702,815	\$770,898	\$844,100	\$3,041,868	\$6,588,304

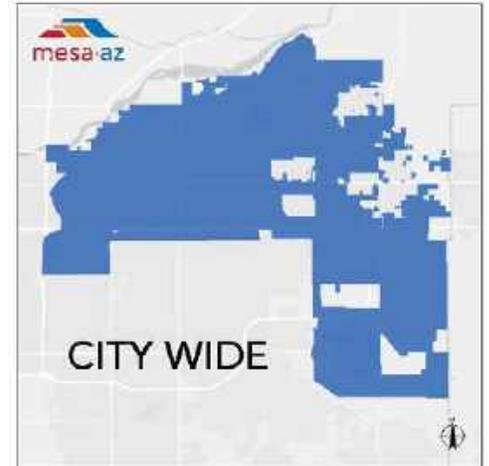
Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0496 - Gas Meters New and Replacement

Project Description

Install gas meters citywide.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Natural Gas	\$1,667	-	-	-	-	-	-	\$1,667
Utility Replacement Extension and Renewal	\$571,672	-	-	-	-	-	-	\$571,672
Utility Replacement Extension and Renewal - GAS	\$970,508	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$4,959,836
Total:	\$1,543,847	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,533,175

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$39,890	\$71,214	\$72,567	\$78,863	\$78,654	\$80,723	\$254,932	\$676,843
Construction	\$1,501,151	\$374,435	\$381,553	\$414,654	\$413,553	\$424,431	\$1,340,399	\$4,850,176
Design	\$2,806	-	-	-	-	-	-	\$2,806
Direct Expenses	-	\$374	\$382	\$415	\$414	\$424	\$1,341	\$3,350
Total	\$1,543,847	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,533,175

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Natural Gas Aging Infrastructure

CP0711 - Gas Meters New and Replacement

Project Description

Install gas meters citywide.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$1,421,321	\$446,023	\$454,502	-	-	-	-	\$2,321,846
2020 Gas Bond	-	-	-	\$493,932	\$492,621	\$505,578	\$518,901	\$2,011,032
Future Gas Bond	-	-	-	-	-	-	\$1,077,771	\$1,077,771
Total:	\$1,421,321	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,410,649

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$145,092	\$71,214	\$72,567	\$78,863	\$78,654	\$80,723	\$254,932	\$782,045
Construction	\$1,256,453	\$374,435	\$381,553	\$414,654	\$413,553	\$424,431	\$1,340,399	\$4,605,478
Design	\$19,776	-	-	-	-	-	-	\$19,776
Direct Expenses	-	\$374	\$382	\$415	\$414	\$424	\$1,341	\$3,350
Total	\$1,421,321	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$5,410,649

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0442 - High Pressure Gas Main Installations

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$177,954	\$839,108	\$901,593	-	-	-	-	\$1,918,655
2020 Gas Bond	-	-	-	\$973,409	\$1,048,792	\$1,130,198	\$1,217,979	\$4,370,378
Future Gas Bond	-	-	-	-	-	-	\$2,720,370	\$2,720,370
Total:	\$177,954	\$839,108	\$901,593	\$973,409	\$1,048,792	\$1,130,198	\$3,938,349	\$9,009,403

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$18,973	\$133,975	\$143,952	\$155,418	\$167,454	\$180,452	\$628,813	\$1,429,037
Construction	\$83,182	\$704,429	\$756,884	\$817,173	\$880,458	\$948,797	\$3,306,230	\$7,497,153
Design	\$75,799	-	-	-	-	-	-	\$75,799
Direct Expenses	-	\$704	\$757	\$818	\$880	\$949	\$3,306	\$7,414
Total	\$177,954	\$839,108	\$901,593	\$973,409	\$1,048,792	\$1,130,198	\$3,938,349	\$9,009,403

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10374 - McKellips Road Gas Line: Lindsay to Val Vista

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959
Total:	-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	\$20,254	\$247,336	-	\$267,590
Construction	-	-	-	-	-	\$1,300,465	-	\$1,300,465
Design	-	-	-	-	\$106,496	-	-	\$106,496
Direct Expenses	-	-	-	-	\$107	\$1,301	-	\$1,408
Total	-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0221 - McKellips Road Natural Gas Line: Country Club to Loop 202

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$29,297	\$354,746	-	-	\$384,043
Total:	-	-	-	\$29,297	\$354,746	-	-	\$384,043

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$4,678	\$56,640	-	-	\$61,318
Construction	-	-	-	-	\$297,808	-	-	\$297,808
Design	-	-	-	\$24,595	-	-	-	\$24,595
Direct Expenses	-	-	-	\$24	\$298	-	-	\$322
Total	-	-	-	\$29,297	\$354,746	-	-	\$384,043

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0649 - Replace Aging Utility Infrastructure

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$1,996,134	-	-	-	\$1,996,134
2020 Wastewater Bond	-	-	-	\$581,673	\$6,565,860	-	-	\$7,147,533
2020 Water Bond	-	-	-	\$558,445	\$5,902,321	-	-	\$6,460,766
Total:	-	-	-	\$3,136,252	\$12,468,181	-	-	\$15,604,433

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$361,797	\$5,892,405	-	-	\$6,254,202
Construction	-	-	-	\$1,570,697	\$6,363,332	-	-	\$7,934,029
Design	-	-	-	\$1,197,648	-	-	-	\$1,197,648
Direct Expenses	-	-	-	\$6,110	\$212,444	-	-	\$218,554
Total	-	-	-	\$3,136,252	\$12,468,181	-	-	\$15,604,433

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10385 - Rio Salado Parkway Utility Line Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$81,545	-	-	-	\$81,545
2020 Water Bond	-	-	-	\$461,859	-	-	-	\$461,859
Total:	-	-	-	\$543,404	-	-	-	\$543,404

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$39,163	-	-	-	\$39,163
Construction	-	-	-	\$494,940	-	-	-	\$494,940
Design	-	-	-	\$4,919	-	-	-	\$4,919
Direct Expenses	-	-	-	\$4,382	-	-	-	\$4,382
Total	-	-	-	\$543,404	-	-	-	\$543,404

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Natural Gas Aging Infrastructure

C01886 - SCADA System for the Natural Gas Distribution System

Project Description

Install a Supervisory Control & Data Acquisition (SCADA) system to control and monitor all natural gas remote facilities.
Natural gas remote facilities are currently monitored manually, which leads to inefficiencies and safety hazards.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$100	-	-	-	-	-	-	\$100
2014 Gas Bond	\$100,473	\$142,943	-	-	-	-	-	\$243,416
Total:	\$100,573	\$142,943	-	-	-	-	-	\$243,516

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$10,053	\$22,823	-	-	-	-	-	\$32,876
Construction	\$32,181	\$120,000	-	-	-	-	-	\$152,181
Design	\$58,339	-	-	-	-	-	-	\$58,339
Direct Expenses	-	\$120	-	-	-	-	-	\$120
Total	\$100,573	\$142,943	-	-	-	-	-	\$243,516

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0219 - Stapley Drive Utility Line: University to McKellips

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697
Total:	-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$15,630	\$371,187	-	-	\$386,817
Construction	-	-	-	-	\$1,951,661	-	-	\$1,951,661
Design	-	-	-	\$82,185	-	-	-	\$82,185
Direct Expenses	-	-	-	\$82	\$1,952	-	-	\$2,034
Total	-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

CP0220 - University Drive Utility Line: Alma School to Country Club

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	-	-	\$35,718	-	-	-	-	\$35,718
2020 Gas Bond	-	-	-	\$902,876	-	-	-	\$902,876
Total:	-	-	\$35,718	\$902,876	-	-	-	\$938,594

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$5,703	\$144,157	-	-	-	\$149,860
Construction	-	-	-	\$757,961	-	-	-	\$757,961
Design	-	-	\$29,985	-	-	-	-	\$29,985
Direct Expenses	-	-	\$30	\$758	-	-	-	\$788
Total	-	-	\$35,718	\$902,876	-	-	-	\$938,594

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10584 - Utility Line Replacement in Quarter Sections 12B & 12D

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	-	-	\$290,079	-	-	-	-	\$290,079
2020 Gas Bond	-	-	-	\$5,248,717	-	-	-	\$5,248,717
2020 Wastewater Bond	-	-	-	-	-	\$614,666	\$7,008,878	\$7,623,544
Total:	-	-	\$290,079	\$5,248,717	-	\$614,666	\$7,008,878	\$13,162,340

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$46,315	\$838,030	-	\$45,531	\$519,176	\$1,449,052
Construction	-	-	-	\$4,406,280	-	-	\$6,425,448	\$10,831,728
Design	-	-	\$243,520	-	-	\$569,135	-	\$812,655
Direct Expenses	-	-	\$244	\$4,407	-	-	\$64,254	\$68,905
Total	-	-	\$290,079	\$5,248,717	-	\$614,666	\$7,008,878	\$13,162,340

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10380 - Utility Line Replacement Quarter Sections 13C, 21A, & 20D

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	-	\$1,546,434	-	-	-	-	-	\$1,546,434
Total:	-	\$1,546,434	-	-	-	-	-	\$1,546,434

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$246,910	-	-	-	-	-	\$246,910
Construction	-	\$1,204,020	-	-	-	-	-	\$1,204,020
Design	-	\$94,206	-	-	-	-	-	\$94,206
Direct Expenses	-	\$1,298	-	-	-	-	-	\$1,298
Total	-	\$1,546,434	-	-	-	-	-	\$1,546,434

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10585 - Utility Line Replacement in Quarter Sections 14A & 14C

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	-	-	\$396,685	-	-	-	-	\$396,685
2020 Gas Bond	-	-	-	\$6,318,681	-	-	-	\$6,318,681
Total:	-	-	\$396,685	\$6,318,681	-	-	-	\$6,715,366

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	\$63,336	\$1,008,865	-	-	-	\$1,072,201
Construction	-	-	-	\$5,304,512	-	-	-	\$5,304,512
Design	-	-	\$333,016	-	-	-	-	\$333,016
Direct Expenses	-	-	\$333	\$5,304	-	-	-	\$5,637
Total	-	-	\$396,685	\$6,318,681	-	-	-	\$6,715,366

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10381 - Utility Line Replacement Quarter Sections 20A & 20B

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$79,910	\$1,344,079	-	-	\$1,423,989
2020 Water Bond	-	-	-	\$710,796	\$7,512,544	-	-	\$8,223,340
Total:	-	-	-	\$790,706	\$8,856,623	-	-	\$9,647,329

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$52,993	\$639,840	-	-	\$692,833
Construction	-	-	-	-	\$8,009,228	-	-	\$8,009,228
Design	-	-	-	\$737,646	-	-	-	\$737,646
Direct Expenses	-	-	-	\$67	\$207,555	-	-	\$207,622
Total	-	-	-	\$790,706	\$8,856,623	-	-	\$9,647,329

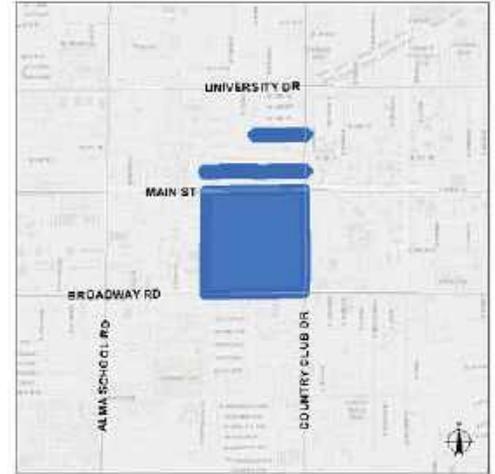
Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10382 - Utility Line Replacement Quarter Section 21D, Clark, Pepper

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$996,892	-	-	-	\$996,892
2020 Water Bond	-	-	-	\$477,590	\$5,047,747	-	-	\$5,525,337
Total:	-	-	-	\$1,474,482	\$5,047,747	-	-	\$6,522,229

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$186,200	\$285,722	-	-	\$471,922
Construction	-	-	-	\$789,549	\$4,623,326	-	-	\$5,412,875
Design	-	-	-	\$497,897	-	-	-	\$497,897
Direct Expenses	-	-	-	\$836	\$138,699	-	-	\$139,535
Total	-	-	-	\$1,474,482	\$5,047,747	-	-	\$6,522,229

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Aging Infrastructure

C10562 - Warner Road Utility Infrastructure: Power to Sossaman

Project Description

Replace aging infrastructure to avoid service disruption in the area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$187,027	\$2,169,652	-	-	\$2,356,679
2020 Water Bond	-	-	-	\$95,684	\$991,664	-	-	\$1,087,348
Total:	-	-	-	\$282,711	\$3,161,316	-	-	\$3,444,027

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$35,278	\$402,548	-	-	\$437,826
Construction	-	-	-	-	\$2,747,684	-	-	\$2,747,684
Design	-	-	-	\$247,276	-	-	-	\$247,276
Direct Expenses	-	-	-	\$157	\$11,084	-	-	\$11,241
Total	-	-	-	\$282,711	\$3,161,316	-	-	\$3,444,027

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0517 - Arizona Farms Road High Pressure Main & Gate Station

Project Description

Replace aging high pressure steel main along Arizona Farms Road to increase the effective capacity of the Clausen gate station in the Magma service area. This will allow Clausen gate station to be a more effective supply point.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785
Total:	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$136,988	\$1,405,970	\$1,542,958
Construction	-	-	-	-	-	-	\$7,392,450	\$7,392,450
Design	-	-	-	-	-	\$720,265	-	\$720,265
Direct Expenses	-	-	-	-	-	\$720	\$7,392	\$8,112
Total	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0677 - EVIT CNG Fueling Station

Project Description

Construct a Compressed Natural Gas (CNG) fueling facility to serve the community. The construction of this facility is in cooperation with the East Valley Institute of Technology (EVIT) campus on Main Street, west of Alma School Road.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$2,506,740	-	-	-	\$2,506,740
Total:	-	-	-	\$2,506,740	-	-	-	\$2,506,740

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$400,236	-	-	-	\$400,236
Construction	-	-	-	\$1,893,960	-	-	-	\$1,893,960
Design	-	-	-	\$210,440	-	-	-	\$210,440
Direct Expenses	-	-	-	\$2,104	-	-	-	\$2,104
Total	-	-	-	\$2,506,740	-	-	-	\$2,506,740

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0481 - Gas New Mains

Project Description

Extend gas mains and services to new subdivisions.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$3,024,693	\$2,982,045	\$3,356,472	-	-	-	-	\$9,363,210
2020 Gas Bond	-	-	-	\$4,702,979	\$5,067,191	\$5,460,499	\$5,884,610	\$21,115,279
Future Gas Bond	-	-	-	-	-	-	\$13,132,757	\$13,132,757
Total:	\$3,024,693	\$2,982,045	\$3,356,472	\$4,702,979	\$5,067,191	\$5,460,499	\$19,017,367	\$43,611,246

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$301,945	\$476,125	\$535,907	\$750,896	\$809,047	\$871,844	\$3,036,386	\$6,782,150
Construction	\$2,524,296	\$2,503,417	\$2,817,747	\$3,948,135	\$4,253,890	\$4,584,071	\$15,965,016	\$36,596,572
Design	\$196,730	-	-	-	-	-	-	\$196,730
Direct Expenses	\$1,722	\$2,503	\$2,818	\$3,948	\$4,254	\$4,584	\$15,965	\$35,794
Total	\$3,024,693	\$2,982,045	\$3,356,472	\$4,702,979	\$5,067,191	\$5,460,499	\$19,017,367	\$43,611,246

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0480 - Gas New Services

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$3,415,253	\$2,751,006	\$2,955,861	-	-	-	-	\$9,122,120
2020 Gas Bond	-	-	-	\$3,191,306	\$3,438,448	\$3,705,335	\$3,993,128	\$14,328,217
Future Gas Bond	-	-	-	-	-	-	\$8,907,951	\$8,907,951
Total:	\$3,415,253	\$2,751,006	\$2,955,861	\$3,191,306	\$3,438,448	\$3,705,335	\$12,901,079	\$32,358,288

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$308,027	\$439,236	\$471,944	\$509,536	\$548,996	\$591,608	\$2,059,835	\$4,929,182
Construction	\$3,010,441	\$2,309,461	\$2,481,435	\$2,679,091	\$2,886,566	\$3,110,617	\$10,830,412	\$27,308,023
Design	\$94,771	-	-	-	-	-	-	\$94,771
Direct Expenses	\$2,014	\$2,309	\$2,482	\$2,679	\$2,886	\$3,110	\$10,832	\$26,312
Total	\$3,415,253	\$2,751,006	\$2,955,861	\$3,191,306	\$3,438,448	\$3,705,335	\$12,901,079	\$32,358,288

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0181 - Higley Regulator Station: McDowell to Thomas

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Gas Bond	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043
Total:	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$125	-	\$283,870	-	-	-	-	\$283,995
Construction	-	-	\$1,492,558	-	-	-	-	\$1,492,558
Design	\$997	-	-	-	-	-	-	\$997
Direct Expenses	-	-	\$1,493	-	-	-	-	\$1,493
Total	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas Growth

CP0071 - Magma Utility Service Center

Project Description

Construct a satellite service center for employees, vehicles, materials, tools and equipment from the Natural Gas Division, the Utility Services Section and Gas Marketing to provide service and support to the gas system and customers in the area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Gas Bond	-	-	-	\$564,017	-	-	-	\$564,017
Total:	-	-	-	\$564,017	-	-	-	\$564,017

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$90,054	-	-	-	\$90,054
Construction	-	-	-	\$473,490	-	-	-	\$473,490
Direct Expenses	-	-	-	\$473	-	-	-	\$473
Total	-	-	-	\$564,017	-	-	-	\$564,017

Utilities Project Detail Fiscal Years 2019 - 2023

Natural Gas System Reinforcement

C10388 - Regulator Station Security

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$29,079	-	-	-	-	-	-	\$29,079
2014 Gas Bond	-	\$65,392	\$68,065	-	-	-	-	\$133,457
2020 Gas Bond	-	-	-	\$71,193	\$74,311	\$77,575	\$80,989	\$304,068
Future Gas Bond	-	-	-	-	-	-	\$172,638	\$172,638
Total:	\$29,079	\$65,392	\$68,065	\$71,193	\$74,311	\$77,575	\$253,627	\$639,242

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$4,211	\$10,441	\$10,867	\$11,367	\$11,865	\$12,386	\$40,495	\$101,632
Construction	\$24,868	\$54,896	\$57,141	\$59,766	\$62,383	\$65,124	\$212,919	\$537,097
Direct Expenses	-	\$55	\$57	\$60	\$63	\$65	\$213	\$513
Total	\$29,079	\$65,392	\$68,065	\$71,193	\$74,311	\$77,575	\$253,627	\$639,242

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Contractual Obligations

CN0027 - 91st Avenue Wastewater Treatment Plant

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2006 Wastewater Bond	-	-	-	-	-	-	-	-
2010 Wastewater Bond	-	\$2,100,000	-	-	-	-	-	\$2,100,000
2014 Wastewater Bond	\$8,149,428	\$5,213,723	\$5,035,438	\$2,478,729	-	-	-	\$20,877,318
2020 Wastewater Bond	-	-	-	\$1,812,970	\$3,817,775	\$5,928,335	\$12,324,260	\$23,883,340
Future Wastewater Bond	-	-	-	-	-	-	\$6,577,450	\$6,577,450
Total:	\$8,149,428	\$7,313,723	\$5,035,438	\$4,291,699	\$3,817,775	\$5,928,335	\$18,901,710	\$53,438,108

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$2,100,000	-	-	-	-	-	\$2,100,000
Mesa Share	\$8,149,428	\$5,213,723	\$5,035,438	\$4,291,699	\$3,817,775	\$5,928,335	\$18,901,710	\$51,338,108
Total	\$8,149,428	\$7,313,723	\$5,035,438	\$4,291,699	\$3,817,775	\$5,928,335	\$18,901,710	\$53,438,108

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Contractual Obligations

CN0063 - Wastewater Main Oversize & Extensions City Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$162,000	\$165,775	-	-	-	-	\$327,775
2020 Wastewater Bond	-	-	-	\$170,456	\$174,911	\$179,512	\$184,243	\$709,122
Future Wastewater Bond	-	-	-	-	-	-	\$382,677	\$382,677
Total:	-	\$162,000	\$165,775	\$170,456	\$174,911	\$179,512	\$566,920	\$1,419,574

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$162,000	\$165,775	\$170,456	\$174,911	\$179,512	\$566,920	\$1,419,574
Total	-	\$162,000	\$165,775	\$170,456	\$174,911	\$179,512	\$566,920	\$1,419,574

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Wastewater Customer Demand - Citywide

CP0617 - New Lift Stations

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257
Total:	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$92,936	\$491,436	\$796,462	-	\$1,380,834
Construction	-	-	-	-	\$5,608,981	\$9,857,214	-	\$15,466,195
Design	-	-	-	\$1,161,692	\$477,875	-	-	\$1,639,567
Direct Expenses	-	-	-	-	\$56,089	\$98,572	-	\$154,661
Total	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Wastewater Customer Demand - Citywide

CP0619 - New Sewer Lines - Other Areas

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923
Total:	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$144,699	\$218,208	\$215,087	-	\$577,994
Construction	-	-	-	\$1,426,166	\$2,436,991	\$2,442,859	-	\$6,306,016
Design	-	-	-	\$368,313	\$162,711	\$101,502	-	\$632,526
Direct Expenses	-	-	-	\$14,262	\$127,905	\$144,220	-	\$286,387
Total	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Citywide

CP0349 - Odor Control Master Plan

Project Description

Identify and correct major odor-causing compounds at the Northwest Water Reclamation Plant and in the vicinity of Baseline/Loop 101. Odor control is a sensitive issue and closely tied to public relations.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$59,005	\$372,374	-	-	-	-	-	\$431,379
2020 Wastewater Bond	-	-	-	\$681,826	\$1,749,114	-	-	\$2,430,940
Total:	\$59,005	\$372,374	-	\$681,826	\$1,749,114	-	-	\$2,862,319

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$3,861	\$27,583	-	\$50,506	\$129,564	-	-	\$211,514
Construction	-	-	-	-	\$1,079,700	-	-	\$1,079,700
Design	\$55,144	\$344,791	-	\$631,320	\$539,850	-	-	\$1,571,105
Total	\$59,005	\$372,374	-	\$681,826	\$1,749,114	-	-	\$2,862,319

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Wastewater Customer Demand - Citywide

CP0624 - Sewer Line Extensions to Unsewered Areas

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$2,884,701	-	-	-	-	-	-	\$2,884,701
2014 Water Bond	-	-	-	-	-	-	-	-
2020 Wastewater Bond	-	-	-	\$568,396	\$2,003,166	\$2,285,168	\$2,126,908	\$6,983,638
Future Wastewater Bond	-	-	-	-	-	-	\$1,276,053	\$1,276,053
Total:	\$2,884,701	-	-	\$568,396	\$2,003,166	\$2,285,168	\$3,402,961	\$11,144,392

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$193,357	-	-	\$42,104	\$148,383	\$169,272	\$252,072	\$805,188
Construction	\$2,168,207	-	-	\$468,992	\$1,587,086	\$1,839,695	\$2,946,451	\$9,010,431
Design	\$521,880	-	-	\$52,610	\$237,989	\$257,803	\$174,975	\$1,245,257
Direct Expenses	\$1,257	-	-	\$4,690	\$29,708	\$18,398	\$29,463	\$83,516
Total	\$2,884,701	-	-	\$568,396	\$2,003,166	\$2,285,168	\$3,402,961	\$11,144,392

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Southeast Mesa

CP0067 - Greenfield Water Reclamation Plant Expansion

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital Programs	\$26,355,312	-	-	-	-	-	-	\$26,355,312
Greenfield WRP Joint Venture	-	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$181,634,462
Total:	\$26,355,312	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$207,989,774

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$313,072	\$1,300,351	\$495,607	\$2,402	-	-	-	\$2,111,432
Construction	\$11,740,635	\$129,519,258	\$49,364,074	\$239,317	-	-	-	\$190,863,284
Design	\$14,286,489	-	-	-	-	-	-	\$14,286,489
Direct Expenses	\$15,116	\$515,881	\$196,619	\$953	-	-	-	\$728,569
Total	\$26,355,312	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$207,989,774

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Greenfield WRP Joint Venture	-	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612	\$6,958,751	\$15,033,305
Total:	-	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612	\$6,958,751	\$15,033,305

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Southeast Mesa

CN0015 - Greenfield Water Reclamation Plant Expansion - Mesa Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$538,059	-	-	-	-	-	-	\$538,059
2014 Wastewater Bond	\$13,749,751	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,275,332
Total:	\$14,287,810	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,813,391

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$14,287,810	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,813,391
Total	\$14,287,810	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$123,813,391

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Wastewater	-	-	\$722,453	\$742,856	\$762,271	\$782,322	\$2,470,657	\$5,480,559
Total:	-	-	\$722,453	\$742,856	\$762,271	\$782,322	\$2,470,657	\$5,480,559

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Southeast Mesa

CP0620 - New Sewer Lines - Phoenix Mesa Gateway Development Plan

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	-	\$260,049	\$1,413,126	\$243,912	\$1,348,726	-	-	\$3,265,813
2014 Water Bond	-	-	-	\$733,533	\$6,002,912	-	-	\$6,736,445
Total:	-	\$260,049	\$1,413,126	\$977,445	\$7,351,638	-	-	\$10,002,258

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$19,263	\$104,676	\$59,588	\$439,694	-	-	\$623,221
Construction	-	-	\$1,308,450	-	\$6,846,396	-	-	\$8,154,846
Design	-	\$228,000	-	\$908,765	-	-	-	\$1,136,765
Direct Expenses	-	\$12,786	-	\$9,092	\$65,548	-	-	\$87,426
Total	-	\$260,049	\$1,413,126	\$977,445	\$7,351,638	-	-	\$10,002,258

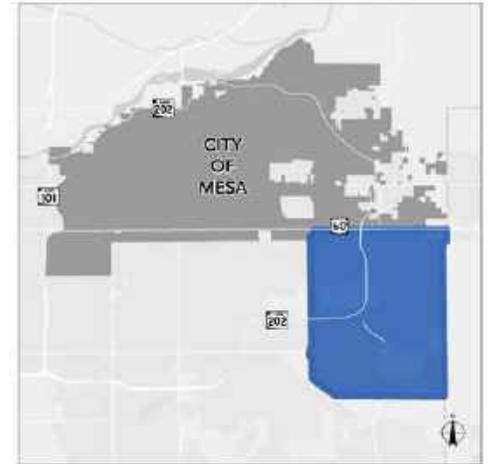
**Utilities Project Detail
Fiscal Years 2019 - 2023**

**Wastewater Customer Demand - Southeast
Mesa**

CP0618 - New Sewer Lines - Southeast Mesa

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455
Total:	-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$26,965	\$269,975	\$485,077	\$411,648	\$1,193,665
Construction	-	-	-	-	\$2,890,337	\$5,449,374	\$5,094,648	\$13,434,359
Design	-	-	-	\$303,502	\$348,897	\$559,597	-	\$1,211,996
Direct Expenses	-	-	-	\$33,558	\$135,438	\$54,493	\$50,946	\$274,435
Total	-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Southeast Mesa

CP0805 - Wastewater Improvements at ASU Polytechnic

Project Description

Provide necessary wastewater infrastructure improvements to handle project flows from the ASU Polytechnic Campus and to maintain service reliability in the area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$212,644	\$2,159,864	-	-	-	-	\$2,372,508
Total:	-	\$212,644	\$2,159,864	-	-	-	-	\$2,372,508

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$15,751	\$159,990	-	-	-	-	\$175,741
Construction	-	-	\$1,865,554	-	-	-	-	\$1,865,554
Design	-	\$182,308	-	-	-	-	-	\$182,308
Direct Expenses	-	\$14,585	\$134,320	-	-	-	-	\$148,905
Total	-	\$212,644	\$2,159,864	-	-	-	-	\$2,372,508

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Customer Demand - Southeast Mesa

C10425 - Williams Field Road Sewer: Ellsworth to Mountain

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$113,847	\$1,226,465	-	-	-	-	\$1,340,312
Total:	-	\$113,847	\$1,226,465	-	-	-	-	\$1,340,312

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$8,433	\$90,850	-	-	-	-	\$99,283
Construction	-	-	\$1,052,976	-	-	-	-	\$1,052,976
Design	-	\$103,856	-	-	-	-	-	\$103,856
Direct Expenses	-	\$1,558	\$82,639	-	-	-	-	\$84,197
Total	-	\$113,847	\$1,226,465	-	-	-	-	\$1,340,312

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0598 - Diversion Structure Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	-	-	\$122,673	-	-	-	-	\$122,673
2020 Wastewater Bond	-	-	-	\$134,093	\$137,597	\$141,216	\$144,937	\$557,843
Future Wastewater Bond	-	-	-	-	-	-	\$301,038	\$301,038
Total:	-	-	\$122,673	\$134,093	\$137,597	\$141,216	\$445,975	\$981,554

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	\$9,087	\$9,933	\$10,192	\$10,460	\$33,035	\$72,707
Construction	-	-	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$776,280
Design	-	-	\$10,233	\$10,522	\$10,797	\$11,081	\$34,995	\$77,628
Direct Expenses	-	-	\$1,023	\$8,418	\$8,638	\$8,865	\$27,995	\$54,939
Total	-	-	\$122,673	\$134,093	\$137,597	\$141,216	\$445,975	\$981,554

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0798 - Greenfield Water Reclamation Plant Equipment Replacement

Project Description

Replace the primary Bulgear and Level transmitters at the plant.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital Programs	\$253,093	-	-	-	-	-	-	\$253,093
Greenfield WRP Joint Venture	-	-	-	-	\$640,409	\$507,601	-	\$1,148,010
Total:	\$253,093	-	-	-	\$640,409	\$507,601	-	\$1,401,103

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$18,313	-	-	-	\$47,438	\$37,600	-	\$103,351
Construction	-	-	-	-	\$475,068	\$355,700	-	\$830,768
Direct Expenses	\$234,780	-	-	-	\$117,903	\$114,301	-	\$466,984
Total	\$253,093	-	-	-	\$640,409	\$507,601	-	\$1,401,103

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CN0058 - Greenfield Water Reclamation Plant Equipment - CP0798 Mesa Share

Project Description

Fund Mesa's cost share to replace the primary Bulgear and Level transmitters at the plant.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$31,260	-	-	-	-	-	-	\$31,260
2020 Wastewater Bond	-	-	-	-	\$386,167	\$306,083	-	\$692,250
Total:	\$31,260	-	-	-	\$386,167	\$306,083	-	\$723,510

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$31,260	-	-	-	\$386,167	\$306,083	-	\$723,510
Total	\$31,260	-	-	-	\$386,167	\$306,083	-	\$723,510

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0263 - Greenfield Water Reclamation Plant Headworks/Solids Upgrade

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2006 Wastewater Bond	-	-	-	-	-	-	-	-
Capital Programs	\$105,511	-	-	-	-	-	-	\$105,511
Greenfield WRP Joint Venture	-	\$777,933	-	-	-	-	-	\$777,933
Total:	\$105,511	\$777,933	-	-	-	-	-	\$883,444

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$7,464	\$57,625	-	-	-	-	-	\$65,089
Construction	\$17	\$698,375	-	-	-	-	-	\$698,392
Design	\$98,030	\$14,948	-	-	-	-	-	\$112,978
Direct Expenses	-	\$6,985	-	-	-	-	-	\$6,985
Total	\$105,511	\$777,933	-	-	-	-	-	\$883,444

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CN0014 - Greenfield Water Reclamation Plant Headworks/Solids Upgrade - CP0263 Mesa Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2006 Wastewater Bond	\$9	-	-	-	-	-	-	\$9
2014 Wastewater Bond	\$40,493	\$319,154	-	-	-	-	-	\$359,647
Total:	\$40,502	\$319,154	-	-	-	-	-	\$359,656

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$40,502	\$319,154	-	-	-	-	-	\$359,656
Total	\$40,502	\$319,154	-	-	-	-	-	\$359,656

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0625 - Greenfield Water Reclamation Plant Major Plant Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Greenfield WRP Joint Venture	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834
Total:	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	\$138,202	\$930,804	\$76,538	\$1,145,544
Construction	-	-	-	-	-	\$11,635,050	-	\$11,635,050
Design	-	-	-	-	\$1,727,520	-	\$956,720	\$2,684,240
Total	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CN0035 - Greenfield Water Reclamation Plant Major Plant Improvements - CP0625 Mesa Share

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	\$1,125,030	\$7,577,210	-	\$8,702,240
Future Wastewater Bond	-	-	-	-	-	-	\$623,054	\$623,054
Total:	-	-	-	-	\$1,125,030	\$7,577,210	\$623,054	\$9,325,294

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	-	-	-	\$1,125,030	\$7,577,210	\$623,054	\$9,325,294
Total	-	-	-	-	\$1,125,030	\$7,577,210	\$623,054	\$9,325,294

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0626 - Greenfield Water Reclamation Plant Miscellaneous Plant Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital Programs	\$2,685,974	-	-	-	-	-	-	\$2,685,974
Greenfield WRP Joint Venture	-	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	\$12,870,484
Total:	\$2,685,974	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	\$15,556,458

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$164,731	\$18,518	\$18,949	\$63,763	\$148,135	\$156,685	\$547,317	\$1,118,098
Construction	\$2,420,959	-	-	-	\$971,730	-	-	\$3,392,689
Design	\$100,275	-	-	-	\$8,098	-	-	\$108,373
Direct Expenses	\$9	\$2,250	\$2,302	\$7,892	\$62,083	\$19,392	\$67,738	\$161,666
Purchases	-	\$229,230	\$234,571	\$789,150	\$809,775	\$1,939,175	\$6,773,731	\$10,775,632
Total	\$2,685,974	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	\$15,556,458

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CN0036 - Greenfield Water Reclamation Plant Miscellaneous Plant Improvements - CP0626 Mesa Share

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$1,144,989	-	-	-	-	-	-	\$1,144,989
2020 Wastewater Bond	-	-	-	\$519,065	\$1,205,892	\$1,275,497	\$1,309,108	\$4,309,562
Future Wastewater Bond	-	-	-	-	-	-	\$3,146,330	\$3,146,330
Utility Replacement Extension and Renewal - WW	-	\$104,499	\$106,934	-	-	-	-	\$211,433
Total:	\$1,144,989	\$104,499	\$106,934	\$519,065	\$1,205,892	\$1,275,497	\$4,455,438	\$8,812,314

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$1,144,989	\$104,499	\$106,934	\$519,065	\$1,205,892	\$1,275,497	\$4,455,438	\$8,812,314
Total	\$1,144,989	\$104,499	\$106,934	\$519,065	\$1,205,892	\$1,275,497	\$4,455,438	\$8,812,314

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0797 - Greenfield Water Reclamation Plant Rehabilitation and Equipment Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital Programs	\$18,957	-	-	-	-	-	-	\$18,957
Greenfield WRP Joint Venture	-	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,895,064
Total:	\$18,957	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,914,021

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$1,372	\$22,237	-	\$12,626	\$89,095	\$16,417	-	\$141,747
Construction	-	\$272,280	-	-	\$247,746	\$202,960	-	\$722,986
Design	\$17,585	\$4,185	-	-	-	-	-	\$21,770
Direct Expenses	-	\$1,500	-	\$157,830	\$865,944	\$2,244	-	\$1,027,518
Total	\$18,957	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,914,021

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

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

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$7,923	\$125,484	-	-	-	-	-	\$133,407
2020 Wastewater Bond	-	-	-	\$102,785	\$725,279	\$133,637	-	\$961,701
Total:	\$7,923	\$125,484	-	\$102,785	\$725,279	\$133,637	-	\$1,095,108

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$7,923	\$125,484	-	\$102,785	\$725,279	\$133,637	-	\$1,095,108
Total	\$7,923	\$125,484	-	\$102,785	\$725,279	\$133,637	-	\$1,095,108

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0590 - Greenfield Water Reclamation Plant Sludge Line Replacement

Project Description

Replace piping in the solids handling building that has deteriorated due to corrosion and is subject to failure.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Capital Programs	\$682,958	-	-	-	-	-	-	\$682,958
Greenfield WRP Joint Venture	\$1,541	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$11,959,355
Total:	\$684,499	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$12,642,313

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$48,675	\$43,134	-	-	\$159,968	\$164,176	\$518,486	\$934,439
Construction	\$595,151	\$514,170	-	-	\$1,783,664	\$1,830,581	\$5,781,175	\$10,504,741
Design	\$40,673	\$25,000	-	-	\$215,940	\$221,620	\$699,900	\$1,203,133
Total	\$684,499	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$12,642,313

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CN0026 - Greenfield Water Reclamation Plant Sludge Line Replacement - CP0590 Mesa Share

Project Description

Replace piping in the solids handling building that has deteriorated due to corrosion and is subject to failure.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$286,089	\$243,403	-	-	-	-	-	\$529,492
2020 Wastewater Bond	-	-	-	-	\$1,302,222	\$1,336,475	\$1,371,693	\$4,010,390
Future Wastewater Bond	-	-	-	-	-	-	\$2,849,040	\$2,849,040
Total:	\$286,089	\$243,403	-	-	\$1,302,222	\$1,336,475	\$4,220,733	\$7,388,922

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	\$286,089	\$243,403	-	-	\$1,302,222	\$1,336,475	\$4,220,733	\$7,388,922
Total	\$286,089	\$243,403	-	-	\$1,302,222	\$1,336,475	\$4,220,733	\$7,388,922

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0599 - Lift Station Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$3,185	\$16,330	\$29,840	-	-	-	-	\$49,355
2020 Wastewater Bond	-	-	-	\$359,095	\$3,120,420	\$105,913	\$299,089	\$3,884,517
Future Wastewater Bond	-	-	-	-	-	-	\$1,567,018	\$1,567,018
Total:	\$3,185	\$16,330	\$29,840	\$359,095	\$3,120,420	\$105,913	\$1,866,107	\$5,500,890

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$230	\$1,210	\$2,210	\$26,600	\$231,142	\$7,845	\$138,230	\$407,467
Construction	\$2,955	-	-	-	\$1,705,926	-	\$1,251,598	\$2,960,479
Design	-	-	-	\$247,267	-	\$8,311	\$90,984	\$346,562
Direct Expenses	-	\$1,120	\$2,047	\$6,313	\$1,102,374	\$6,649	\$122,831	\$1,241,334
Purchases	-	\$14,000	\$25,583	\$78,915	\$80,978	\$83,108	\$262,464	\$545,048
Total	\$3,185	\$16,330	\$29,840	\$359,095	\$3,120,420	\$105,913	\$1,866,107	\$5,500,890

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0600 - Manhole Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$1,486,102	-	-	-	-	-	\$1,486,102
Utility Replacement Extension and Renewal - WW	\$228,623	\$938,046	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$11,182,255
Total:	\$228,623	\$2,424,148	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$12,668,357

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$16,362	\$181,218	-	\$115,828	\$118,856	\$121,982	\$385,232	\$939,478
Construction	\$67,427	\$2,137,556	-	\$1,353,129	\$1,388,494	\$1,425,017	\$4,500,357	\$10,871,980
Design	\$144,808	\$92,514	-	\$81,188	\$83,310	\$85,501	\$270,022	\$757,343
Direct Expenses	\$26	\$12,860	-	\$13,531	\$13,885	\$14,250	\$45,004	\$99,556
Total	\$228,623	\$2,424,148	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$12,668,357

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0616 - Metering Station Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	-	\$22,086	\$22,601	-	-	-	-	\$44,687
2020 Wastewater Bond	-	-	-	\$30,682	\$31,484	\$32,312	\$33,165	\$127,643
Future Wastewater Bond	-	-	-	-	-	-	\$68,883	\$68,883
Total:	-	\$22,086	\$22,601	\$30,682	\$31,484	\$32,312	\$102,048	\$241,213

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$1,636	\$1,674	\$2,273	\$2,332	\$2,393	\$7,559	\$17,867
Direct Expenses	-	\$1,500	\$1,535	\$2,104	\$2,159	\$2,216	\$7,000	\$16,514
Purchases	-	\$18,950	\$19,392	\$26,305	\$26,993	\$27,703	\$87,489	\$206,832
Total	-	\$22,086	\$22,601	\$30,682	\$31,484	\$32,312	\$102,048	\$241,213

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0811 - Northwest Water Reclamation Plant Equipment Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$351	-	-	-	-	-	-	\$351
2020 Wastewater Bond	-	-	-	\$857,964	\$880,388	\$903,545	\$927,355	\$3,569,252
Future Wastewater Bond	-	-	-	-	-	-	\$2,569,034	\$2,569,034
Utility Replacement Extension and Renewal - WW	-	\$545,400	\$558,108	-	-	-	-	\$1,103,508
Total:	\$351	\$545,400	\$558,108	\$857,964	\$880,388	\$903,545	\$3,496,389	\$7,242,145

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$25	\$40,400	\$41,341	\$63,553	\$65,214	\$66,929	\$258,992	\$536,454
Design	\$326	-	-	-	-	-	-	\$326
Direct Expenses	-	\$5,000	\$5,117	\$5,261	\$5,399	\$5,541	\$22,222	\$48,540
Purchases	-	\$500,000	\$511,650	\$789,150	\$809,775	\$831,075	\$3,215,175	\$6,656,825
Total	\$351	\$545,400	\$558,108	\$857,964	\$880,388	\$903,545	\$3,496,389	\$7,242,145

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0627 - Northwest Water Reclamation Plant Major Plant Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$171,854	-	-	-	-	-	-	\$171,854
2020 Wastewater Bond	-	-	-	\$909,101	\$7,696,102	\$8,377,236	-	\$16,982,439
Future Wastewater Bond	-	-	-	-	-	-	\$2,066,515	\$2,066,515
Total:	\$171,854	-	-	\$909,101	\$7,696,102	\$8,377,236	\$2,066,515	\$19,220,808

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$12,359	-	-	\$67,341	\$570,082	\$620,536	\$153,075	\$1,423,393
Construction	\$5	-	-	-	\$6,478,200	\$6,648,600	-	\$13,126,805
Design	\$159,490	-	-	\$841,760	\$647,820	\$1,108,100	\$1,913,440	\$4,670,610
Total	\$171,854	-	-	\$909,101	\$7,696,102	\$8,377,236	\$2,066,515	\$19,220,808

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0628 - Northwest Water Reclamation Plant Miscellaneous Plant Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	-	\$1,116,200	-	-	-	-	-	\$1,116,200
2014 Wastewater Bond	\$45,035	-	-	-	-	-	-	\$45,035
2020 Wastewater Bond	-	-	-	\$863,646	\$932,861	\$4,786,992	\$3,684,852	\$10,268,351
Future Wastewater Bond	-	-	-	-	-	-	\$4,209,441	\$4,209,441
Total:	\$45,035	\$1,116,200	-	\$863,646	\$932,861	\$4,786,992	\$7,894,293	\$15,639,027

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$3,243	\$74,533	-	\$63,974	\$69,101	\$354,592	\$584,763	\$1,150,206
Construction	\$1,414	\$881,667	-	\$736,540	-	\$4,432,400	\$6,955,200	\$13,007,221
Design	\$40,378	\$130,000	-	\$63,132	\$863,760	-	\$354,330	\$1,451,600
Direct Expenses	-	\$30,000	-	-	-	-	-	\$30,000
Total	\$45,035	\$1,116,200	-	\$863,646	\$932,861	\$4,786,992	\$7,894,293	\$15,639,027

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0621 - Odor Control Station Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$8,567	\$317,723	\$48,834	-	-	-	-	\$375,124
2020 Wastewater Bond	-	-	-	\$210,798	\$1,876,217	\$2,417,432	\$62,030	\$4,566,477
Future Wastewater Bond	-	-	-	-	-	-	\$197,718	\$197,718
Total:	\$8,567	\$317,723	\$48,834	\$210,798	\$1,876,217	\$2,417,432	\$259,748	\$5,139,319

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$496	\$23,535	\$3,617	\$15,615	\$138,979	\$179,069	\$19,241	\$380,552
Construction	\$7,077	\$250,000	-	-	\$1,457,595	\$2,160,795	-	\$3,875,467
Design	\$994	\$43,750	\$44,769	\$168,352	\$237,534	\$27,703	\$146,543	\$669,645
Direct Expenses	-	\$438	\$448	\$526	\$15,116	\$22,162	\$6,475	\$45,165
Purchases	-	-	-	\$26,305	\$26,993	\$27,703	\$87,489	\$168,490
Total	\$8,567	\$317,723	\$48,834	\$210,798	\$1,876,217	\$2,417,432	\$259,748	\$5,139,319

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0622 - Sewer Line Condition Assessment

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$798,407	\$433,620	\$439,303	-	-	-	-	\$1,671,330
2020 Wastewater Bond	-	-	-	\$456,255	\$468,180	\$480,494	\$493,156	\$1,898,085
Future Wastewater Bond	-	-	-	-	-	-	\$1,024,297	\$1,024,297
Total:	\$798,407	\$433,620	\$439,303	\$456,255	\$468,180	\$480,494	\$1,517,453	\$4,593,712

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$51,256	\$32,120	\$32,541	\$33,797	\$34,680	\$35,592	\$112,404	\$332,390
Design	\$747,151	\$401,500	\$406,762	\$422,458	\$433,500	\$444,902	\$1,405,049	\$4,261,322
Total	\$798,407	\$433,620	\$439,303	\$456,255	\$468,180	\$480,494	\$1,517,453	\$4,593,712

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0623 - Sewer Line Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Wastewater Bond	\$281,396	\$197,261	\$201,857	-	-	-	-	\$680,514
2020 Wastewater Bond	-	-	-	\$3,035,497	\$17,905,747	\$9,000,874	\$2,525,799	\$32,467,917
Future Wastewater Bond	-	-	-	-	-	-	\$6,784,430	\$6,784,430
Wastewater	\$1,205	\$25,000	-	-	-	-	-	\$26,205
Total:	\$282,601	\$222,261	\$201,857	\$3,035,497	\$17,905,747	\$9,000,874	\$9,310,229	\$39,959,066

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$16,440	\$16,464	\$14,952	\$224,852	\$1,326,351	\$666,730	\$689,647	\$2,955,436
Construction	\$212,756	\$171,648	\$174,677	\$1,641,327	\$15,774,753	\$8,148,942	\$7,923,591	\$34,047,694
Design	\$53,405	\$32,442	\$10,481	\$1,130,615	\$669,768	\$103,712	\$617,754	\$2,618,177
Direct Expenses	-	\$1,707	\$1,747	\$38,703	\$134,875	\$81,490	\$79,237	\$337,759
Total	\$282,601	\$222,261	\$201,857	\$3,035,497	\$17,905,747	\$9,000,874	\$9,310,229	\$39,959,066

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0631 - Southeast Water Reclamation Plant Equipment Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	\$430,403	\$700,520	\$453,268	\$465,213	\$2,049,404
Future Wastewater Bond	-	-	-	-	-	-	\$1,095,094	\$1,095,094
Utility Replacement Extension and Renewal - WW	\$339	\$185,652	\$83,716	-	-	-	-	\$269,707
Total:	\$339	\$185,652	\$83,716	\$430,403	\$700,520	\$453,268	\$1,560,307	\$3,414,205

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$25	\$13,752	\$6,201	\$31,882	\$51,890	\$33,575	\$115,578	\$252,903
Construction	\$314	\$96,150	-	-	\$215,940	-	-	\$312,404
Design	-	-	-	-	\$21,594	-	-	\$21,594
Direct Expenses	-	\$750	\$767	\$3,946	\$6,208	\$4,155	\$14,305	\$30,131
Purchases	-	\$75,000	\$76,748	\$394,575	\$404,888	\$415,538	\$1,430,424	\$2,797,173
Total	\$339	\$185,652	\$83,716	\$430,403	\$700,520	\$453,268	\$1,560,307	\$3,414,205

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0629 - Southeast Water Reclamation Plant Major Plant Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	\$1,166,076	\$6,043,577	-	\$7,209,653
Future Wastewater Bond	-	-	-	-	-	-	\$774,943	\$774,943
Total:	-	-	-	-	\$1,166,076	\$6,043,577	\$774,943	\$7,984,596

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	\$86,376	\$447,672	\$57,403	\$591,451
Construction	-	-	-	-	-	\$5,540,500	-	\$5,540,500
Design	-	-	-	-	\$1,079,700	-	\$717,540	\$1,797,240
Direct Expenses	-	-	-	-	-	\$55,405	-	\$55,405
Total	-	-	-	-	\$1,166,076	\$6,043,577	\$774,943	\$7,984,596

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0630 - Southeast Water Reclamation Plant Miscellaneous Plant Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Wastewater Bond	\$3,912	-	-	-	-	-	-	\$3,912
2014 Wastewater Bond	\$354,348	\$55,000	-	-	-	-	-	\$409,348
2020 Wastewater Bond	-	-	-	\$2,614,564	\$2,397,182	\$1,195,551	\$1,227,056	\$7,434,353
Future Wastewater Bond	-	-	-	-	-	-	\$2,831,805	\$2,831,805
Utility Replacement Extension and Renewal - WW	\$198,454	-	-	-	-	-	-	\$198,454
Total:	\$556,714	\$55,000	-	\$2,614,564	\$2,397,182	\$1,195,551	\$4,058,861	\$10,877,872

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$34,320	\$4,074	-	\$193,671	\$177,569	\$88,559	\$300,656	\$798,849
Construction	\$447,255	-	-	\$2,071,150	\$2,018,607	\$997,290	\$3,385,770	\$8,920,072
Design	\$75,139	-	-	\$320,921	\$97,173	\$99,729	\$338,577	\$931,539
Direct Expenses	-	\$50,926	-	\$28,822	\$103,833	\$9,973	\$33,858	\$227,412
Total	\$556,714	\$55,000	-	\$2,614,564	\$2,397,182	\$1,195,551	\$4,058,861	\$10,877,872

Utilities Project Detail Fiscal Years 2019 - 2023

Wastewater Lifecycle

CP0632 - Southeast Water Reclamation Plant Standby Generator Radiator Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Utility Replacement Extension and Renewal - WW	\$5,827	\$545,704	-	-	-	-	-	\$551,531
Total:	\$5,827	\$545,704	-	-	-	-	-	\$551,531

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$422	\$40,498	-	-	-	-	-	\$40,920
Construction	\$770	\$453,852	-	-	-	-	-	\$454,622
Design	\$4,635	\$46,354	-	-	-	-	-	\$50,989
Direct Expenses	-	\$5,000	-	-	-	-	-	\$5,000
Total	\$5,827	\$545,704	-	-	-	-	-	\$551,531

Utilities Project Detail Fiscal Years 2019 - 2023

Water Contractual Obligations

CN0010 - Val Vista Water Treatment Plant - Mesa Share

Project Description

Fund the City's portion of the operations and maintenance cost of the Val Vista Water Treatment Plant per the Intergovernmental Agreement with the City of Phoenix.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$9,950,531	\$3,385,652	\$10,446,264	\$2,458,327	-	-	-	\$26,240,774
2020 Water Bond	-	-	-	\$760,829	\$1,382,539	\$3,878,350	\$8,062,600	\$14,084,318
Future Water Bond	-	-	-	-	-	-	\$4,185,650	\$4,185,650
Total:	\$9,950,531	\$3,385,652	\$10,446,264	\$3,219,156	\$1,382,539	\$3,878,350	\$12,248,250	\$44,510,742

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Mesa Share	\$9,950,531	\$3,385,652	\$10,446,264	\$3,219,156	\$1,382,539	\$3,878,350	\$12,248,250	\$44,510,742
Total	\$9,950,531	\$3,385,652	\$10,446,264	\$3,219,156	\$1,382,539	\$3,878,350	\$12,248,250	\$44,510,742

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Water Contractual Obligations

CN0028 - White Mountain Apache Water Settlement Water Rights

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210
Total:	-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Purchases	-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210
Total	-	\$3,700,000	\$3,786,210	-	-	-	-	\$7,486,210

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0833 - Desert Wells Groundwater Well: Crismon and Pecos

Project Description

Drill and equip a new groundwater well in Southeast Mesa near Crismon and Pecos to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
Total:	-	-	-	\$278,833	-	-	-	\$278,833

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$15,783	-	-	-	\$15,783
Land Acquisition	-	-	-	\$263,050	-	-	-	\$263,050
Total	-	-	-	\$278,833	-	-	-	\$278,833

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0834 - Desert Wells Groundwater Well: Crismon and State Route 24

Project Description

Drill and equip a new groundwater well in Southeast Mesa near Crismon and State Route 24 to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	-	-	\$293,647	-	\$293,647
Total:	-	-	-	-	-	\$293,647	-	\$293,647

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$16,622	-	\$16,622
Land Acquisition	-	-	-	-	-	\$277,025	-	\$277,025
Total	-	-	-	-	-	\$293,647	-	\$293,647

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0832 - Desert Wells Groundwater Well: Ellsworth and Pecos

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Total:	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$25,568	\$113,757	\$91,884	-	\$231,209
Construction	-	-	-	-	\$1,674,615	\$1,515,881	-	\$3,190,496
Design	-	-	-	\$163,091	\$204,063	-	-	\$367,154
Direct Expenses	-	-	-	-	\$17,275	\$15,513	-	\$32,788
Land Acquisition	-	-	-	\$263,050	-	-	-	\$263,050
Total	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0831 - Desert Wells Groundwater Well: Germann and Crismon

Project Description

Drill and equip a new groundwater well in southeast Mesa near Germann and Crismon to provide water during Central Arizona Project canal dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
Future Water Bond	-	-	-	-	-	-	\$2,417,624	\$2,417,624
Total:	-	-	-	\$278,833	-	-	\$2,417,624	\$2,696,457

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$15,783	-	-	\$136,847	\$152,630
Construction	-	-	-	-	-	-	\$1,854,841	\$1,854,841
Design	-	-	-	-	-	-	\$406,802	\$406,802
Direct Expenses	-	-	-	-	-	-	\$19,134	\$19,134
Land Acquisition	-	-	-	\$263,050	-	-	-	\$263,050
Total	-	-	-	\$278,833	-	-	\$2,417,624	\$2,696,457

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0836 - Desert Wells Groundwater Well: Signal Butte and Pecos

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
Total:	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$25,568	\$113,757	\$91,884	-	\$231,209
Construction	-	-	-	-	\$1,674,615	\$1,515,881	-	\$3,190,496
Design	-	-	-	\$263,050	\$56,144	-	-	\$319,194
Direct Expenses	-	-	-	\$163,091	\$165,194	\$15,513	-	\$343,798
Total	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0829 - Desert Wells Groundwater Well #1-Warner and Ellsworth

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	-	-	-	\$4,109,661	\$4,109,661
Total:	-	-	-	-	-	-	\$4,109,661	\$4,109,661

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	-	-	\$232,622	\$232,622
Construction	-	-	-	-	-	-	\$3,444,922	\$3,444,922
Design	-	-	-	-	-	-	\$396,713	\$396,713
Direct Expenses	-	-	-	-	-	-	\$35,404	\$35,404
Total	-	-	-	-	-	-	\$4,109,661	\$4,109,661

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0828 - Desert Wells Groundwater Well #2-Warner and Ellsworth

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	-	-	-	\$4,109,661	\$4,109,661
Total:	-	-	-	-	-	-	\$4,109,661	\$4,109,661

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	-	-	\$232,622	\$232,622
Construction	-	-	-	-	-	-	\$3,444,922	\$3,444,922
Design	-	-	-	-	-	-	\$396,713	\$396,713
Direct Expenses	-	-	-	-	-	-	\$35,404	\$35,404
Total	-	-	-	-	-	-	\$4,109,661	\$4,109,661

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0837 - Falcon Field Groundwater Well

Project Description

Drill and equip Falcon Field to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Future Water Bond	-	-	-	-	-	-	\$196,487	\$196,487
Total:	-	-	-	-	-	-	\$196,487	\$196,487

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	-	-	-	\$11,122	\$11,122
Design	-	-	-	-	-	-	\$185,365	\$185,365
Total	-	-	-	-	-	-	\$196,487	\$196,487

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Water Customer Demand Citywide

CP0646 - Transmission Main - Other Areas

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547
Total:	-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$80,399	\$82,500	\$880,577	\$903,782	\$1,947,258
Construction	-	-	-	-	-	\$14,111,654	\$14,483,516	\$28,595,170
Design	-	-	-	\$1,339,977	\$1,374,998	-	-	\$2,714,975
Direct Expenses	-	-	-	-	-	\$423,350	\$434,505	\$857,855
Land Acquisition	-	-	-	-	-	\$141,283	\$145,006	\$286,289
Total	-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Water Customer Demand Citywide

CN0064 - Water Extensions and Oversized Mains - City Share

Project Description

City Share for developer constructed waterlines that are larger than 16-inch diameter.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	-	\$200,000	\$204,660	-	-	-	-	\$404,660
2020 Water Bond	-	-	-	\$210,440	\$215,940	\$221,620	\$227,460	\$875,460
Future Water Bond	-	-	-	-	-	-	\$472,440	\$472,440
Total:	-	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,752,560

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Direct Expenses	-	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,752,560
Total	-	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,752,560

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0814 - Waterline Replacement

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$551,312	\$756,948	\$921,364	-	-	-	-	\$2,229,624
2020 Water Bond	-	-	-	\$1,603,763	\$1,739,607	\$1,362,681	\$1,675,663	\$6,381,714
Future Water Bond	-	-	-	-	-	-	\$3,146,060	\$3,146,060
Total:	\$551,312	\$756,948	\$921,364	\$1,603,763	\$1,739,607	\$1,362,681	\$4,821,723	\$11,757,398

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$30,819	\$42,847	\$52,154	\$90,780	\$98,469	\$77,134	\$272,930	\$665,133
Construction	\$519,558	\$714,101	\$869,210	\$1,512,983	\$1,641,138	\$1,285,547	\$4,548,793	\$11,091,330
Design	\$2,799	-	-	-	-	-	-	\$2,799
Land Acquisition	(\$1,864)	-	-	-	-	-	-	(\$1,864)
Total	\$551,312	\$756,948	\$921,364	\$1,603,763	\$1,739,607	\$1,362,681	\$4,821,723	\$11,757,398

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand Citywide

CP0830 - Williams Gateway Well #5: Power and Williams Field

Project Description

Re-drill and equip Williams Gateway Well #5 to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total:	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$9,785	\$113,757	\$91,884	-	\$215,426
Construction	-	-	-	-	\$1,674,615	\$1,515,881	-	\$3,190,496
Design	-	-	-	\$163,091	\$204,063	-	-	\$367,154
Direct Expenses	-	-	-	-	\$17,275	\$15,513	-	\$32,788
Total	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

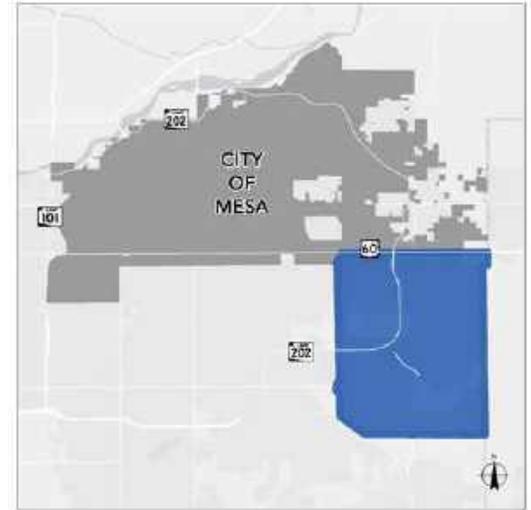
Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0826 - Drill and Equip Non-Potable Well for Southeast Mesa

Project Description

Drill and equip a new groundwater well to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261
Total:	-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$76,504	\$71,473	-	-	\$147,977
Construction	-	-	-	\$1,153,398	\$1,179,417	-	-	\$2,332,815
Design	-	-	-	\$110,140	-	-	-	\$110,140
Direct Expenses	-	-	-	\$11,534	\$11,795	-	-	\$23,329
Total	-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	\$55,862	\$57,331	\$181,057	\$294,250
Total:	-	-	-	-	\$55,862	\$57,331	\$181,057	\$294,250

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

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

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total:	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$9,785	\$113,757	\$91,884	-	\$215,426
Construction	-	-	-	-	\$1,674,615	\$1,515,881	-	\$3,190,496
Design	-	-	-	\$163,091	\$204,063	-	-	\$367,154
Direct Expenses	-	-	-	-	\$17,275	\$15,513	-	\$32,788
Total	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0825 - Future Well 2 on Crismon (at Warner)

Project Description

Drill and equip a new groundwater well to provide water during Central Arizona Project dryups.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
Total:	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$9,785	\$113,757	\$91,884	-	\$215,426
Construction	-	-	-	-	\$1,674,615	\$1,515,881	-	\$3,190,496
Design	-	-	-	\$163,091	\$204,063	-	-	\$367,154
Direct Expenses	-	-	-	-	\$17,275	\$15,513	-	\$32,788
Total	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
Total:	-	-	-	-	-	\$57,763	\$182,422	\$240,185

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0639 - New Pump Station

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,074,462	\$15,276,525
Future Water Bond	-	-	-	-	-	-	\$23,089	\$23,089
Total:	-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,097,551	\$15,299,614

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$21,332	\$224,722	\$48,402	\$571,560	\$866,016
Construction	-	-	-	-	\$3,647,227	-	\$9,376,441	\$13,023,668
Design	-	-	-	\$355,538	\$61,543	\$806,697	\$55,901	\$1,279,679
Direct Expenses	-	-	-	-	\$36,602	-	\$93,649	\$130,251
Total	-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,097,551	\$15,299,614

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

C01600 - Signal Butte Water Treatment Plant

Project Description

Construct the first phase of a plant with a water treatment capacity of 24 million gallons per day to serve Southeast Mesa. Treated water will flow into an existing finished water reservoir and pump station.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Water Bond	\$4,417	-	-	-	-	-	-	\$4,417
2014 Water Bond	\$111,479,049	\$10,000,000	-	-	-	-	-	\$121,479,049
Total:	\$111,483,466	\$10,000,000	-	-	-	-	-	\$121,483,466

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$2,012,745	\$566,038	-	-	-	-	-	\$2,578,783
Construction	\$102,299,709	\$9,433,962	-	-	-	-	-	\$111,733,671
Design	\$7,070,048	-	-	-	-	-	-	\$7,070,048
Direct Expenses	\$2,454	-	-	-	-	-	-	\$2,454
Purchases	\$98,510	-	-	-	-	-	-	\$98,510
Total	\$111,483,466	\$10,000,000	-	-	-	-	-	\$121,483,466

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Fund Totals
Water	-	\$691,740	\$1,467,996	\$1,509,216	\$1,548,447	\$1,588,956	\$5,016,778	\$11,823,133
Total:	-	\$691,740	\$1,467,996	\$1,509,216	\$1,548,447	\$1,588,956	\$5,016,778	\$11,823,133

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0372 - Signal Butte Water Treatment Plant Expansion

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583
Total:	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$31,566	\$323,910	\$2,416,766	\$2,480,451	\$5,252,693
Construction	-	-	-	-	-	\$40,279,435	\$41,340,855	\$81,620,290
Design	-	-	-	\$526,100	\$5,398,500	-	-	\$5,924,600
Total	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583

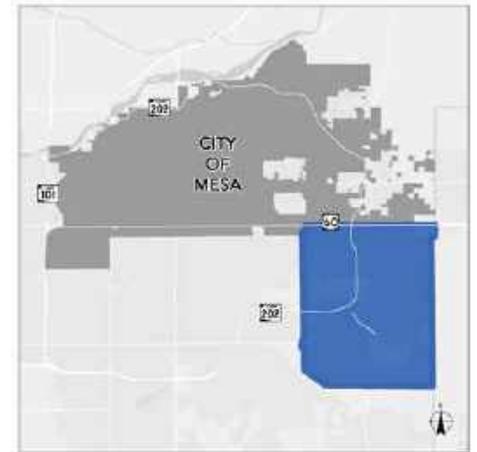
Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0645 - Transmission Mains - Southeast Mesa

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	-	\$265,000	-	-	-	-	-	\$265,000
2020 Water Bond	-	-	-	\$2,129,999	\$23,073,707	\$164,442	\$4,784,669	\$30,152,817
Future Water Bond	-	-	-	-	-	-	\$2,982,031	\$2,982,031
Total:	-	\$265,000	-	\$2,129,999	\$23,073,707	\$164,442	\$7,766,700	\$33,399,848

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	\$15,000	-	\$120,566	\$1,306,059	\$9,308	\$439,628	\$1,890,561
Construction	-	\$250,000	-	-	\$21,086,813	-	\$6,805,822	\$28,142,635
Design	-	-	-	\$2,009,433	-	\$155,134	\$317,073	\$2,481,640
Direct Expenses	-	-	-	-	\$680,835	-	\$204,177	\$885,012
Total	-	\$265,000	-	\$2,129,999	\$23,073,707	\$164,442	\$7,766,700	\$33,399,848

**Utilities Project Detail
Fiscal Years 2019 - 2023**

Water Customer Demand - Southeast Mesa

C01645 - Waterline from Central Arizona Project Canal to Signal Butte Water Treatment Plant

Project Description

Construct raw waterline to serve the Signal Butte Water Treatment Plant. There is also an agreement with Roosevelt Water Conservation District to transport water from the Central Arizona Project canal to their irrigation canal at Signal Butte and Elliot. This water line will be approximately 3 miles.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Water Bond	\$0	-	-	-	-	-	-	\$0
2013 Street Bond	\$143,387	-	-	-	-	-	-	\$143,387
2014 Water Bond	\$10,543,330	-	-	-	-	-	-	\$10,543,330
Highway User Revenue Fund	\$7,915	\$29,585	-	-	-	-	-	\$37,500
Total:	\$10,694,632	\$29,585	-	-	-	-	-	\$10,724,217

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$552,605	-	-	-	-	-	-	\$552,605
Construction	\$9,380,483	\$29,585	-	-	-	-	-	\$9,410,068
Design	\$760,788	-	-	-	-	-	-	\$760,788
Direct Expenses	\$756	-	-	-	-	-	-	\$756
Total	\$10,694,632	\$29,585	-	-	-	-	-	\$10,724,217

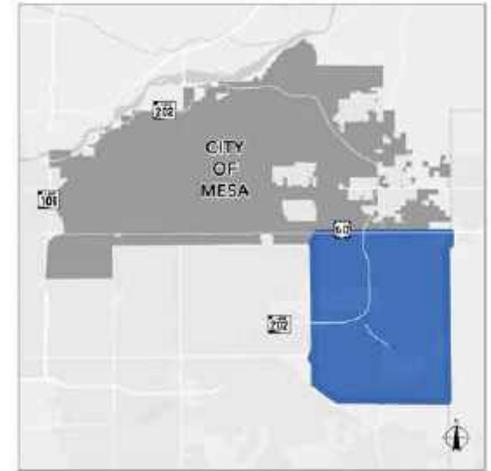
Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

CP0648 - Well Collection Lines

Project Description

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 demands.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329
Total:	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	-	\$17,880	\$190,017	\$1,308,933	\$1,516,830
Construction	-	-	-	-	-	\$3,063,897	\$19,291,768	\$22,355,665
Design	-	-	-	-	\$297,997	-	\$1,878,820	\$2,176,817
Direct Expenses	-	-	-	-	-	\$103,053	\$644,964	\$748,017
Total	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329

Utilities Project Detail Fiscal Years 2019 - 2023

Water Customer Demand - Southeast Mesa

C04048 - Well Site Acquisition

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$16,426	\$265,000	\$271,175	-	-	-	-	\$552,601
Total:	\$16,426	\$265,000	\$271,175	-	-	-	-	\$552,601

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$433	\$15,000	\$15,350	-	-	-	-	\$30,783
Construction	\$1,507	-	-	-	-	-	-	\$1,507
Design	\$1,075	-	-	-	-	-	-	\$1,075
Land Acquisition	\$13,411	\$250,000	\$255,825	-	-	-	-	\$519,236
Total	\$16,426	\$265,000	\$271,175	-	-	-	-	\$552,601

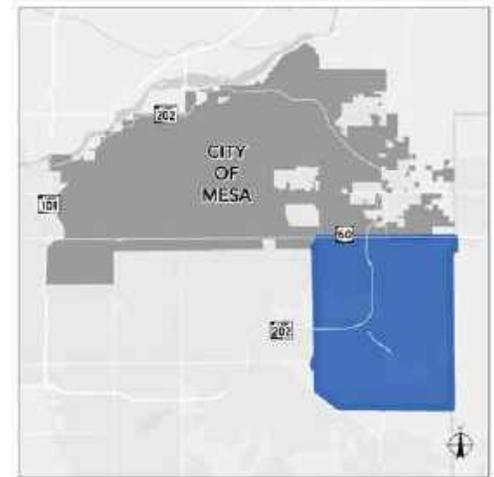
Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0821 - Aging Water Main Repairs

Project Description

Make needed emergency repairs to pipe breaks on aging waterlines.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	-	\$583,000	\$596,584	-	-	-	-	\$1,179,584
2020 Water Bond	-	-	-	\$613,433	\$629,465	\$646,022	\$663,046	\$2,551,966
Future Water Bond	-	-	-	-	-	-	\$1,377,163	\$1,377,163
Total:	-	\$583,000	\$596,584	\$613,433	\$629,465	\$646,022	\$2,040,209	\$5,108,713

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	\$33,000	\$33,769	\$34,723	\$35,630	\$36,567	\$115,484	\$289,173
Construction	-	\$500,000	\$511,650	\$526,100	\$539,850	\$554,050	\$1,749,750	\$4,381,400
Design	-	\$50,000	\$51,165	\$52,610	\$53,985	\$55,405	\$174,975	\$438,140
Total	-	\$583,000	\$596,584	\$613,433	\$629,465	\$646,022	\$2,040,209	\$5,108,713

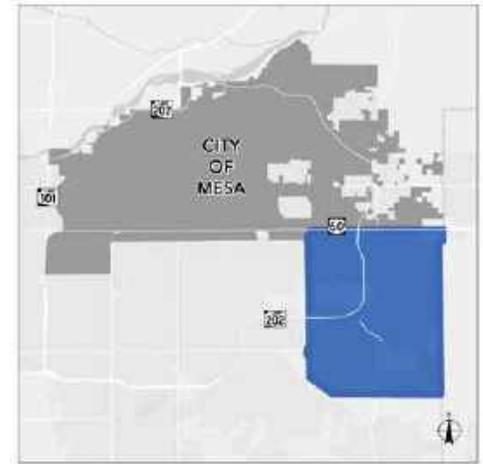
Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0822 - Aging Water Main Replacement and Rehabilitation

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$69,837	-	-	-	-	-	-	\$69,837
2020 Water Bond	-	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$10,271,787	\$32,455,824
Future Water Bond	-	-	-	-	-	-	\$22,211,130	\$22,211,130
Total:	\$69,837	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$32,482,917	\$54,736,791

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$3,891	-	-	\$75,338	\$590,598	\$589,764	\$1,838,656	\$3,098,247
Construction	\$53,196	-	-	\$320,395	\$9,596,814	\$8,698,585	\$27,073,020	\$45,742,010
Design	\$12,750	-	-	\$935,239	\$32,877	\$869,859	\$2,747,109	\$4,597,834
Direct Expenses	-	-	-	-	\$213,610	\$260,958	\$824,132	\$1,298,700
Total	\$69,837	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$32,482,917	\$54,736,791

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0634 - Brown Road Major Plant Improvements

Project Description

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 service entrance section.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$3,246,915	\$10,408,776
Future Water Bond	-	-	-	-	-	-	\$3,061,448	\$3,061,448
Total:	-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$6,308,363	\$13,470,224

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	-	-	-	\$16,835	\$191,755	\$196,799	\$357,078	\$762,467
Construction	-	-	-	-	\$2,879,199	\$2,954,933	\$5,424,599	\$11,258,731
Design	-	-	-	\$280,586	\$287,919	\$295,493	\$472,440	\$1,336,438
Direct Expenses	-	-	-	-	\$28,792	\$29,550	\$54,246	\$112,588
Total	-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$6,308,363	\$13,470,224

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0635 - Brown Road Miscellaneous Plant Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$605	\$453,680	-	-	-	-	-	\$454,285
2020 Water Bond	-	-	-	\$2,539,614	\$8,534,015	\$8,084,089	\$5,849,874	\$25,007,592
Future Water Bond	-	-	-	-	-	-	\$4,588,456	\$4,588,456
Total:	\$605	\$453,680	-	\$2,539,614	\$8,534,015	\$8,084,089	\$10,438,330	\$30,050,333

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$34	\$25,680	-	\$143,753	\$483,058	\$457,590	\$590,849	\$1,700,964
Construction	-	\$75,000	-	\$1,133,956	\$6,508,935	\$6,371,575	\$6,326,537	\$20,416,003
Design	\$571	\$353,000	-	\$470,328	\$680,211	\$415,538	\$279,523	\$2,199,171
Direct Expenses	-	-	-	\$2,427	\$52,036	\$8,311	\$26,246	\$89,020
Purchases	-	-	-	\$789,150	\$809,775	\$831,075	\$3,215,175	\$5,645,175
Total	\$605	\$453,680	-	\$2,539,614	\$8,534,015	\$8,084,089	\$10,438,330	\$30,050,333

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0638 - Compliance Equipment at Water Facilities

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$128,131	-	-	-	-	-	-	\$128,131
2020 Wastewater Bond	-	-	-	-	\$362,796	-	-	\$362,796
2020 Water Bond	-	-	-	\$557,666	\$1,518,013	-	-	\$2,075,679
Total:	\$128,131	-	-	\$557,666	\$1,880,809	-	-	\$2,566,606

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$7,021	-	-	\$31,566	\$112,800	-	-	\$151,387
Construction	\$121,110	-	-	-	-	-	-	\$121,110
Design	-	-	-	\$526,100	\$1,079,700	-	-	\$1,605,800
Purchases	-	-	-	-	\$688,309	-	-	\$688,309
Total	\$128,131	-	-	\$557,666	\$1,880,809	-	-	\$2,566,606

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0021 - Desert Well 6 and 7 Connection to Falcon Field Zone

Project Description

Connect groundwater wells Desert Wells 6 and 7 directly to the Falcon Field Zone. This will increase groundwater well production, by reducing total dynamic head requirements and will add more flexibility to the system.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Water Bond	\$11,810	-	-	-	-	-	-	\$11,810
2020 Water Bond	-	-	-	\$446,133	-	-	-	\$446,133
Total:	\$11,810	-	-	\$446,133	-	-	-	\$457,943

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$628	-	-	\$25,253	-	-	-	\$25,881
Construction	\$670	-	-	\$420,880	-	-	-	\$421,550
Design	\$10,512	-	-	-	-	-	-	\$10,512
Total	\$11,810	-	-	\$446,133	-	-	-	\$457,943

Utilities Project Detail Fiscal Years 2019 - 2023

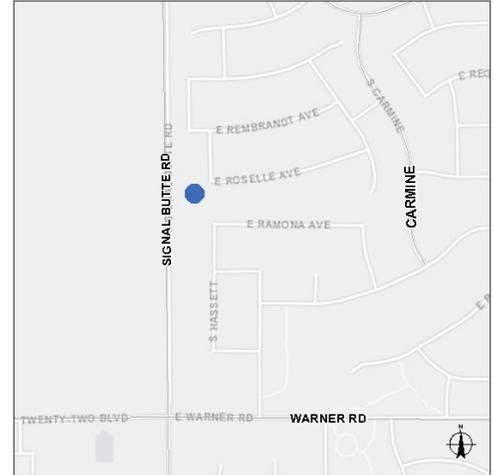
Water Lifecycle

C03080 - Desert Well 18

Equipment

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Water Bond	\$39,492	-	-	-	-	-	-	\$39,492
2014 Water Bond	\$1,306,028	-	-	-	-	-	-	\$1,306,028
Water	\$45,972	\$200,000	-	-	-	-	-	\$245,972
Total:	\$1,391,492	\$200,000	-	-	-	-	-	\$1,591,492

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$66,567	\$11,321	-	-	-	-	-	\$77,888
Construction	\$1,241,614	\$168,679	-	-	-	-	-	\$1,410,293
Design	\$83,311	\$20,000	-	-	-	-	-	\$103,311
Total	\$1,391,492	\$200,000	-	-	-	-	-	\$1,591,492

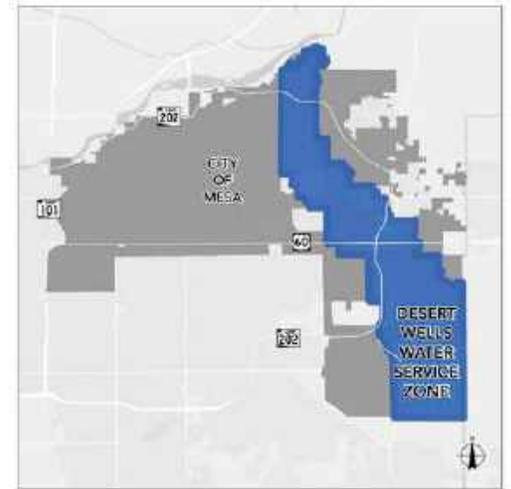
Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0823 - Desert Well Zone Well Site Acquisition

Project Description

Purchase land for two future wells sites.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$278,833	\$286,121	-	-	\$564,954
Total:	-	-	-	\$278,833	\$286,121	-	-	\$564,954

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$15,783	\$16,196	-	-	\$31,979
Land Acquisition	-	-	-	\$263,050	\$269,925	-	-	\$532,975
Total	-	-	-	\$278,833	\$286,121	-	-	\$564,954

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0320 - Fire Hydrant Meters

Project Description

Purchase fire hydrant meters to ensure accurate measurement of construction water usage is captured to maintain water revenues. These improvements are planned over several fiscal years. This funds the purchase of meters only.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$47,745	\$15,900	\$16,271	-	-	-	-	\$79,916
2020 Water Bond	-	-	-	\$22,307	\$22,890	\$23,492	\$24,111	\$92,800
Future Water Bond	-	-	-	-	-	-	\$50,079	\$50,079
Total:	\$47,745	\$15,900	\$16,271	\$22,307	\$22,890	\$23,492	\$74,190	\$222,795

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$1,240	\$900	\$921	\$1,263	\$1,296	\$1,330	\$4,200	\$11,150
Purchases	\$46,505	\$15,000	\$15,350	\$21,044	\$21,594	\$22,162	\$69,990	\$211,645
Total	\$47,745	\$15,900	\$16,271	\$22,307	\$22,890	\$23,492	\$74,190	\$222,795

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0636 - Fire Hydrant Replacement

Project Description

Replace fire hydrants that are beyond their useful life to ensure hydrants are operational when needed. These improvements are planned over several fiscal years.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$891,689	\$374,710	\$383,441	-	-	-	-	\$1,649,840
2020 Water Bond	-	-	-	\$481,823	\$494,416	\$507,421	\$520,793	\$2,004,453
Future Water Bond	-	-	-	-	-	-	\$1,081,699	\$1,081,699
Total:	\$891,689	\$374,710	\$383,441	\$481,823	\$494,416	\$507,421	\$1,602,492	\$4,735,992

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$21,073	\$21,210	\$21,704	\$27,273	\$27,986	\$28,722	\$90,707	\$238,675
Construction	\$868,947	\$350,000	\$358,155	\$420,880	\$431,880	\$443,240	\$1,399,800	\$4,272,902
Direct Expenses	\$1,669	\$3,500	\$3,582	\$33,670	\$34,550	\$35,459	\$111,985	\$224,415
Total	\$891,689	\$374,710	\$383,441	\$481,823	\$494,416	\$507,421	\$1,602,492	\$4,735,992

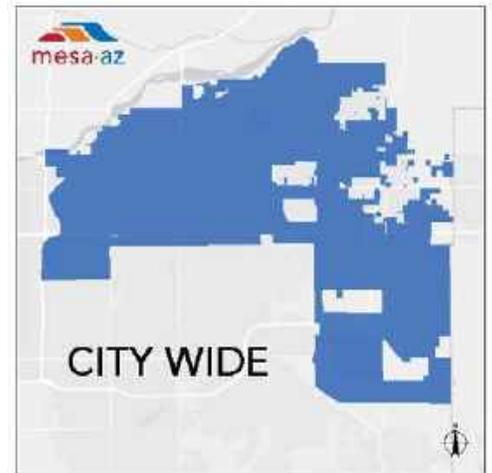
Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0827 - Groundwater Treatment-Arsenic

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854
Total:	-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$30,493	\$316,026	-	\$199,869	\$546,388
Construction	-	-	-	-	\$5,214,951	-	\$3,298,170	\$8,513,121
Design	-	-	-	\$508,213	-	-	-	\$508,213
Direct Expenses	-	-	-	-	\$52,150	-	\$32,982	\$85,132
Total	-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0855 - Lindsay Pump Stations Rectifier Replacement

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
Utility Replacement Extension and Renewal - WTR	\$24,253	\$133,176	-	-	-	-	-	\$157,429
Total:	\$24,253	\$133,176	-	-	-	-	-	\$157,429

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$1,351	\$6,823	-	-	-	-	-	\$8,174
Construction	\$1,809	\$126,353	-	-	-	-	-	\$128,162
Design	\$21,093	-	-	-	-	-	-	\$21,093
Total	\$24,253	\$133,176	-	-	-	-	-	\$157,429

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0640 - Pump Station Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$1,538,779	\$169,494	-	-	-	-	-	\$1,708,273
2020 Water Bond	-	-	-	\$1,713,150	\$2,490,507	\$646,022	\$663,046	\$5,512,725
Future Water Bond	-	-	-	-	-	-	\$1,126,769	\$1,126,769
Total:	\$1,538,779	\$169,494	-	\$1,713,150	\$2,490,507	\$646,022	\$1,789,815	\$8,347,767

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$68,622	\$9,594	-	\$96,971	\$140,972	\$36,567	\$101,310	\$454,036
Construction	\$1,420,792	\$150,000	-	\$1,315,250	\$2,278,167	\$554,050	\$1,631,640	\$7,349,899
Design	\$49,365	\$9,900	-	\$300,929	\$53,985	\$55,405	\$56,865	\$526,449
Direct Expenses	-	-	-	-	\$17,383	-	-	\$17,383
Total	\$1,538,779	\$169,494	-	\$1,713,150	\$2,490,507	\$646,022	\$1,789,815	\$8,347,767

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0360 - Radio Communication Upgrade at Remote Water Facilities

Project Description

Replace aging radio communication facilities at Remote Water Facilities. Pumps, motors, and VFD's found to be failing or performing at substandard levels of efficiency must be repaired or replaced.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2010 Gas Bond	\$3,014	-	-	-	-	-	-	\$3,014
2014 Wastewater Bond	\$872	-	-	-	-	-	-	\$872
2014 Water Bond	\$121,347	-	-	\$920,149	-	-	-	\$1,041,496
Total:	\$125,233	-	-	\$920,149	-	-	-	\$1,045,382

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$6,718	-	-	\$52,084	-	-	-	\$58,802
Construction	\$38,872	-	-	\$789,150	-	-	-	\$828,022
Design	\$79,643	-	-	\$78,915	-	-	-	\$158,558
Total	\$125,233	-	-	\$920,149	-	-	-	\$1,045,382

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0642 - Re-drill Groundwater Wells

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	-	-	-	\$687,044	-	-	-	\$687,044
2020 Water Bond	-	-	-	\$745,222	\$7,473,800	\$5,645,065	\$14,289,531	\$28,153,618
Future Water Bond	-	-	-	-	-	-	\$443,679	\$443,679
Total:	-	-	-	\$1,432,266	\$7,473,800	\$5,645,065	\$14,733,210	\$29,284,341

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$81,072	\$423,046	\$319,534	\$833,956	\$1,657,608
Construction	-	-	-	-	\$6,522,219	\$5,066,233	\$12,417,112	\$24,005,564
Design	-	-	-	\$489,021	\$397,779	\$208,636	\$538,757	\$1,634,193
Direct Expenses	-	-	-	\$599,123	\$130,756	\$50,662	\$183,630	\$964,171
Land Acquisition	-	-	-	\$263,050	-	-	\$759,755	\$1,022,805
Total	-	-	-	\$1,432,266	\$7,473,800	\$5,645,065	\$14,733,210	\$29,284,341

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0641 - Reservoir Rehabilitation

Project Description

Replace failing equipment at City reservoirs in the water system. Equipment planned for replacement include cathodic protection equipment, liners, interior & exterior coatings & mixer equipment.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$210,654	\$1,429,092	\$106,518	-	-	-	-	\$1,746,264
2020 Water Bond	-	-	-	\$872,101	\$7,761,187	\$140,950	\$144,665	\$8,918,903
Future Water Bond	-	-	-	-	-	-	\$3,709,113	\$3,709,113
Total:	\$210,654	\$1,429,092	\$106,518	\$872,101	\$7,761,187	\$140,950	\$3,853,778	\$14,374,280

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$9,979	\$80,892	\$6,029	\$49,365	\$439,313	\$7,978	\$218,139	\$811,695
Construction	\$194,529	\$1,345,000	\$97,214	\$126,264	\$7,276,854	\$132,972	\$3,349,895	\$12,522,728
Design	\$6,146	\$3,200	\$3,275	\$696,472	-	-	\$285,744	\$994,837
Direct Expenses	-	-	-	-	\$45,020	-	-	\$45,020
Total	\$210,654	\$1,429,092	\$106,518	\$872,101	\$7,761,187	\$140,950	\$3,853,778	\$14,374,280

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0643 - Signal Butte Water Treatment Plant Equipment Replacement

Project Description

Design and construct plant improvements and equipment replacement that will provide increased reliability and cost effective operation of the Signal Butte Water Treatment Plant. This includes rehab or replacement of bulk chemical tanks, pump and piping, sludge pumps and valves, etc.

Project Expenditures by Fund



Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$5,576,660	-	-	-	\$5,576,660
Total:	-	-	-	\$5,576,660	-	-	-	\$5,576,660

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$315,660	-	-	-	\$315,660
Construction	-	-	-	\$5,261,000	-	-	-	\$5,261,000
Total	-	-	-	\$5,576,660	-	-	-	\$5,576,660

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0647 - Val Vista Major Plant Improvements

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2020 Water Bond	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920
Total:	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	-	-	-	\$12,626	\$130,860	-	-	\$143,486
Construction	-	-	-	-	\$2,159,400	-	-	\$2,159,400
Design	-	-	-	\$210,440	-	-	-	\$210,440
Direct Expenses	-	-	-	-	\$21,594	-	-	\$21,594
Total	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0464 - Water Aging Main Replacement

Project Description

Replace aging infrastructure to avoid service disruption.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$4,638,324	\$186,247	\$4,058,257	-	-	-	-	\$8,882,828
Total:	\$4,638,324	\$186,247	\$4,058,257	-	-	-	-	\$8,882,828

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$247,238	\$10,542	\$229,712	-	-	-	-	\$487,492
Construction	\$3,732,817	-	\$3,828,545	-	-	-	-	\$7,561,362
Design	\$647,426	\$175,705	-	-	-	-	-	\$823,131
Direct Expenses	\$10,843	-	-	-	-	-	-	\$10,843
Total	\$4,638,324	\$186,247	\$4,058,257	-	-	-	-	\$8,882,828

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0860 - Water Meter Vault Rehabilitation

Project Description

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$3,036	\$958,770	\$981,109	-	-	-	-	\$1,942,915
2020 Water Bond	-	-	-	\$1,065,142	\$1,092,981	\$1,121,730	\$1,151,289	\$4,431,142
Future Water Bond	-	-	-	-	-	-	\$2,391,256	\$2,391,256
Total:	\$3,036	\$958,770	\$981,109	\$1,065,142	\$1,092,981	\$1,121,730	\$3,542,545	\$8,765,313

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP								
Administration	\$169	\$54,270	\$55,534	\$60,291	\$61,867	\$63,494	\$200,521	\$496,146
Construction	-	\$450,000	\$460,485	\$526,100	\$539,850	\$554,050	\$1,749,750	\$4,280,235
Design	\$2,867	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,755,427
Direct Expenses	-	\$4,500	\$4,605	\$5,261	\$5,399	\$5,541	\$17,499	\$42,805
Purchases	-	\$250,000	\$255,825	\$263,050	\$269,925	\$277,025	\$874,875	\$2,190,700
Total	\$3,036	\$958,770	\$981,109	\$1,065,142	\$1,092,981	\$1,121,730	\$3,542,545	\$8,765,313

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0650 - Water Services Extension & Replacement

Project Description

Replace water services that have reached the end of their support lifecycle. Timely replacement will prevent service disruptions.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$3,982	\$214,120	\$219,109	-	-	-	-	\$437,211
2020 Water Bond	-	-	-	\$296,678	\$304,432	\$312,440	\$320,673	\$1,234,223
Future Water Bond	-	-	-	-	-	-	\$666,046	\$666,046
Total:	\$3,982	\$214,120	\$219,109	\$296,678	\$304,432	\$312,440	\$986,719	\$2,337,480

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$186	\$12,120	\$12,402	\$16,793	\$17,232	\$17,685	\$55,852	\$132,270
Construction	\$3,796	\$200,000	\$204,660	\$263,050	\$269,925	\$277,025	\$874,875	\$2,093,331
Direct Expenses	-	\$2,000	\$2,047	\$16,835	\$17,275	\$17,730	\$55,992	\$111,879
Total	\$3,982	\$214,120	\$219,109	\$296,678	\$304,432	\$312,440	\$986,719	\$2,337,480

Utilities Project Detail Fiscal Years 2019 - 2023

Water Lifecycle

CP0651 - Water Valve Replacement

Project Description

Replace water valves that have reached the end of their support lifecycle. This work will prevent service disruptions.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
2014 Water Bond	\$517,962	\$381,600	\$390,491	-	-	-	-	\$1,290,053
2020 Water Bond	-	-	-	\$474,016	\$486,405	\$499,200	\$512,354	\$1,971,975
Future Water Bond	-	-	-	-	-	-	\$1,003,936	\$1,003,936
Total:	\$517,962	\$381,600	\$390,491	\$474,016	\$486,405	\$499,200	\$1,516,290	\$4,265,964

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years	Totals
CIP Administration	\$19,916	\$21,600	\$22,103	\$26,831	\$27,532	\$28,257	\$29,001	\$175,240
Construction	\$493,240	\$350,000	\$358,155	\$420,880	\$431,880	\$443,240	\$1,399,800	\$3,897,195
Direct Expenses	\$4,806	\$10,000	\$10,233	\$26,305	\$26,993	\$27,703	\$87,489	\$193,529
Total	\$517,962	\$381,600	\$390,491	\$474,016	\$486,405	\$499,200	\$1,516,290	\$4,265,964





City of Mesa

Five-Year Capital Improvement Program FY 2019 - 2023

UTILITIES

- Canal
- Projects
- Council District 1
- Council District 2
- Council District 3
- Council District 4
- Council District 5
- Council District 6

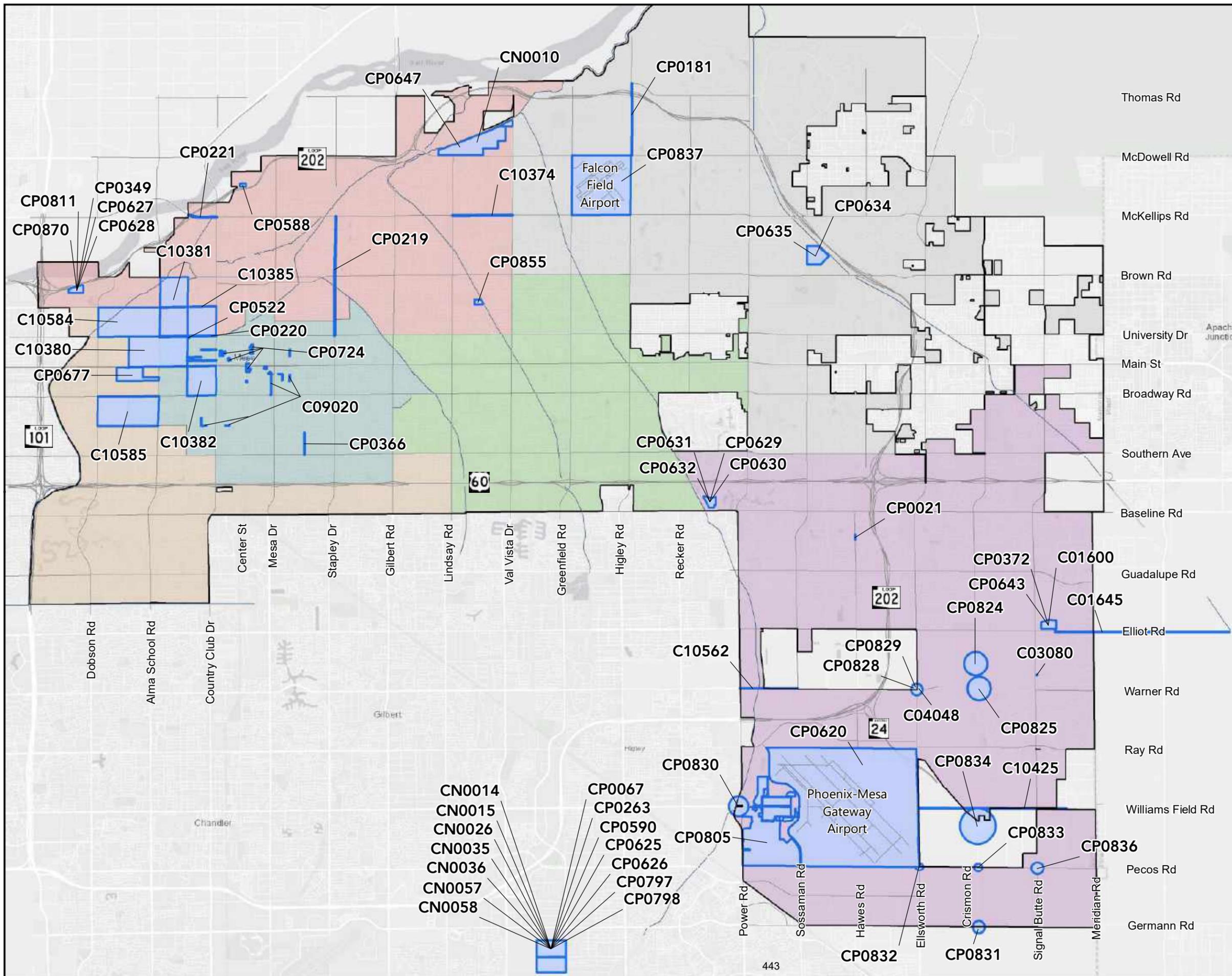
Citywide, External or Location TBD Projects

- CP1886
- CP0320
- CP0481
- CP0616
- CP0639
- CP0711
- C09019
- CP0360
- CP0482
- CP0617
- CP0640
- CP0814
- C10388
- CP0435
- CP0483
- CP0618
- CP0641
- CP0821
- CN0027
- CP0442
- CP0496
- CP0619
- CP0642
- CP0822
- CN0028
- CP0458
- CP0534
- CP0621
- CP0645
- CP0823
- CN0063
- CP0459
- CP0563
- CP0622
- CP0646
- CP0826
- CN0064
- CP0461
- CP0591
- CP0623
- CP0648
- CP0827
- CP0071
- CP0464
- CP0598
- CP0624
- CP0649
- CP0860
- CP0081
- CP0475
- CP0599
- CP0636
- CP0650
- CP0082
- CP0480
- CP0600
- CP0638
- CP0651



MAP CREATION DATE: 6/20/2018
MAP CREATED BY: Engineering-GIS

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RESOLUTION NO. 11158

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, APPROVING A FIVE-YEAR CAPITAL PROGRAM FOR THE CITY OF MESA FOR FISCAL YEARS 2019 – 2023.

WHEREAS, prior to the 2018-2019 fiscal year, the City Manager of the City of Mesa did prepare and submit a Five-Year Capital Program (“Capital Program”) for the City of Mesa for fiscal years 2019 – 2023 pursuant to the provisions of Section 605 of the Mesa City Charter;

WHEREAS, pursuant to the provisions of Section 606 of the Mesa City Charter, a general summary of the proposed Capital Program and notice was published for the period required, notice of the hearing on said proposed program was published as required, and the Capital Program was available for inspection by the public as required; and

WHEREAS, the public hearing was held at the City Council Chambers in the City of Mesa on Monday, May 21, 2018 at 5:45 p.m., at which meeting all interested persons were invited to appear and be heard in favor of or against adoption of the Capital Program.

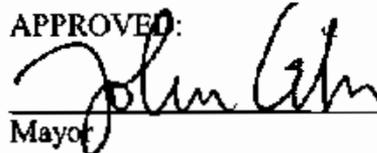
NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, AS FOLLOWS:

Section 1: That the Capital Program, a summary of which is attached as Exhibit A, heretofore submitted by the City Manager pursuant to the provisions of Section 605 of the Mesa City Charter, copies of which are posted on the City’s website, is adopted.

PASSED AND ADOPTED by the Mayor and City Council of the City of Mesa, Maricopa County, Arizona, this 21st day of May, 2018.



APPROVED:



Mayor

ATTEST:



City Clerk

City of Mesa
Summary of Final Five-Year Capital Improvement Program

Exhibit A

Capital Appropriations	Proposed	Proposed	Proposed	Proposed	Proposed	
<u>Enterprise Fund</u>	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
Capital - Enterprise	993,245	241,739	248,567	255,064	261,774	2,000,389
Subtotal Enterprise Fund	993,245	241,739	248,567	255,064	261,774	2,000,389
<u>General Fund</u>	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
Capital - General Fund	8,224,063	879,098	1,158,402	1,023,170	1,631,346	12,916,079
Subtotal General Fund	8,224,063	879,098	1,158,402	1,023,170	1,631,346	12,916,079
<u>Grant Funds</u>	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
Community Development Block Grant	2,112,530	-	-	-	-	2,112,530
Grants - Enterprise	3,892,108	1,924,114	1,257,694	2,239,936	3,212,923	12,526,775
Grants - Gen. Gov.	4,376,047	8,651,280	-	-	-	13,027,327
Subtotal Grant Funds	10,380,685	10,575,394	1,257,694	2,239,936	3,212,923	27,666,632
<u>Restricted Funds</u>	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
Cemetery	1,172,396	16,722	336,732	-	-	1,525,850
Economic Investment Fund	126,000	376,063	469,544	56,684	290,876	1,319,167
Environmental Compliance Fee	4,872,448	-	-	-	-	4,872,448
Falcon Field Airport	1,572,174	652,160	729,729	1,468,746	536,152	4,958,961
Fleet Internal Service	352,090	-	-	-	-	352,090
Greenfield WRP Joint Venture ⁽¹⁾	133,245,927	50,312,122	1,273,933	7,868,309	17,626,705	210,326,996
Highway User Revenue Fund	9,299,344	694,615	-	-	-	9,993,959
Local Streets	23,525,262	6,225,981	3,988,585	3,355,936	2,982,298	40,078,062
Restricted Programs Fund	733,635	4,766,651	-	-	-	5,500,286
TOPAZ Joint Venture Fund ⁽¹⁾	1,660,821	1,017,999	2,295,322	1,953,988	1,040,515	7,968,645
Transit Fund	19,847,467	-	-	-	-	19,847,467
Transportation	22,393,702	16,989,711	7,915,911	6,076,662	-	53,375,986
Utility Replacement Extension and Renewal	3,632,171	1,669,276	2,562,970	2,601,754	2,659,773	13,125,944
Subtotal Restricted Funds	222,433,437	82,721,300	19,572,726	23,382,079	25,136,319	373,245,861
<u>Current Bond Authorization</u>	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
1994 Solid Waste Bond	2,605,623	-	-	-	-	2,605,623
2010 Electric Bond	1,676,812	-	-	-	-	1,676,812
2010 Gas Bond	1,775,390	3,625,891	-	-	-	5,401,281
2010 Wastewater Bond	6,320,854	3,949,963	409,095	-	-	10,679,912
2012 Park Bond	10,203,188	-	-	-	-	10,203,188
2013 Public Safety Bond	1,632,218	-	-	-	-	1,632,218
2013 Street Bond	26,537,968	8,410,055	-	-	-	34,948,023
2014 Electric Bond	7,764,297	1,779,622	-	-	-	9,543,919
2014 Gas Bond	10,133,450	12,208,210	-	-	-	22,341,660
2014 Wastewater Bond	86,389,313	37,522,022	2,868,973	1,348,726	-	128,129,034
2014 Water Bond	26,700,396	23,263,673	5,550,046	6,002,912	-	61,517,027
Spring Training Bond Construction	74,422	-	-	-	-	74,422
Subtotal Other Funds	181,813,931	90,759,436	8,828,114	7,351,638	-	288,753,119

(1) Joint venture funds include the cost to the City as well as the cost to the partner jurisdictions

(2) Future Bond Authorization is for budgeting purposes only. Planned projects require voter authorization.

(3) Major capital projects often require a multi-year design and construction period and therefore operations and maintenance costs may be a result of projects that were completed in a prior fiscal year.

City of Mesa
Summary of Final Five-Year Capital Improvement Program

Exhibit A

Capital Appropriations	Proposed	Proposed	Proposed	Proposed	Proposed	
<u>Future Bond Authorization</u> ⁽²⁾	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
2018 Parks Bond	10,668,571	32,961,197	31,100,130	26,992,500	8,277,602	110,000,000
2018 Public Safety Bond	11,221,068	36,229,431	33,230,960	4,060,062	5,258,479	90,000,000
2020 Electric Bond	-	-	10,634,854	14,453,950	4,987,994	30,076,798
2020 Gas Bond	-	-	37,890,780	27,348,726	18,122,512	83,362,018
2020 Street Bond	-	-	48,177,531	61,631,978	53,130,119	162,939,628
2020 Wastewater Bond	-	-	19,306,867	69,955,829	73,779,450	163,042,146
2020 Water Bond	-	-	44,553,523	126,087,229	108,024,633	278,665,385
Subtotal Other Funds	21,889,639	69,190,628	224,894,645	330,530,274	271,580,789	918,085,975
Total Capital Improvement Program	445,735,000	254,367,595	255,960,148	364,782,161	301,823,151	1,622,668,055
Operations and Maintenance ⁽³⁾						
	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	Total
<u>One Time Start Up</u>						
Environmental Compliance Fee	120,000	-	-	-	-	120,000
Funding To Be Determined	-	399,586	1,340,312	-	-	1,739,898
One Time Start Up Total	120,000	399,586	1,340,312	-	-	1,859,898
<u>Ongoing</u>						
Enterprise Fund	691,740	2,190,449	2,252,072	2,366,580	2,890,713	10,391,554
Environmental Compliance Fee	135,269	159,072	180,343	199,288	222,112	896,084
Funding To Be Determined	-	1,948,579	3,833,312	4,847,632	4,962,086	15,591,609
General Fund	586,916	600,549	617,186	633,117	649,561	3,087,329
Greenfield WRP Joint Venture	-	1,880,173	2,012,393	2,065,376	2,116,612	8,074,554
Highway User Revenue Fund	71,557	135,431	161,578	233,599	309,482	911,647
Local Streets	7,500	15,350	108,692	111,534	114,467	357,543
Transit Fund	-	3,126,182	3,214,471	3,298,484	3,385,246	13,024,383
Ongoing Total	1,492,982	10,055,785	12,380,047	13,755,610	14,650,279	52,334,703
Total One-Time Start up and Ongoing Maintenance	1,612,982	10,455,371	13,720,359	13,755,610	14,650,279	54,194,601

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