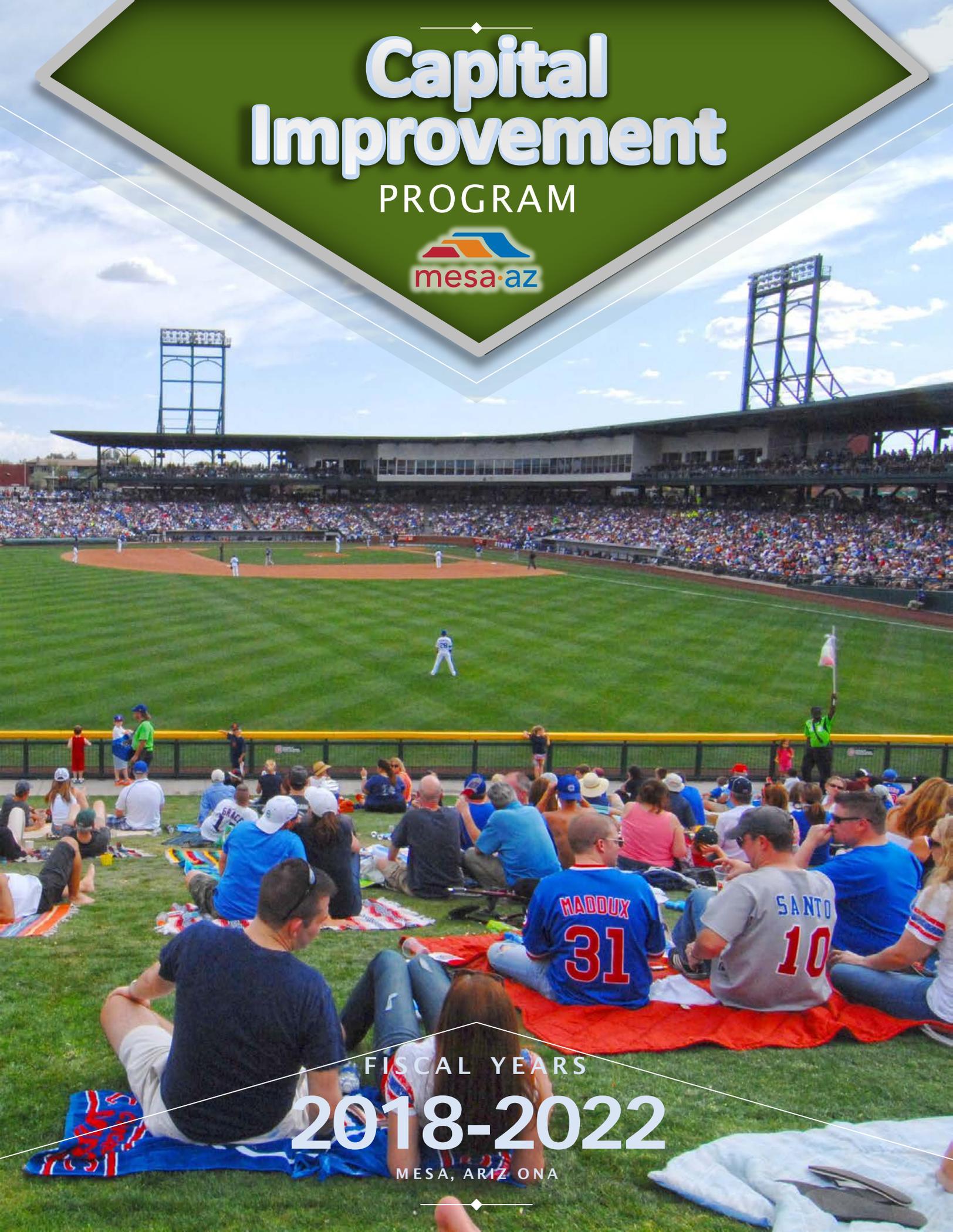


# Capital Improvement

PROGRAM



FISCAL YEARS

# 2018-2022

MESA, ARIZONA

# Five Year Capital Improvement Program

## 2018 - 2022

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### **Mesa City Council**

John Giles, Mayor

David Luna, Vice Mayor and District 5

Mark Freeman, District 1

Jeremy Whittaker, District 2

Ryan Winkle, District 3

Christopher Glover, District 4

Kevin Thompson, District 6

City Manager

Christopher J. Brady



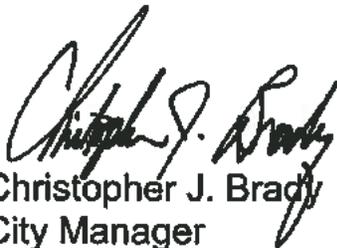
To the Honorable Mayor, City Council Members and the residents of the City of Mesa:

I am pleased to present the City of Mesa's 2018-2022 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

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# Capital Improvement Program Overview

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# 2018-2022

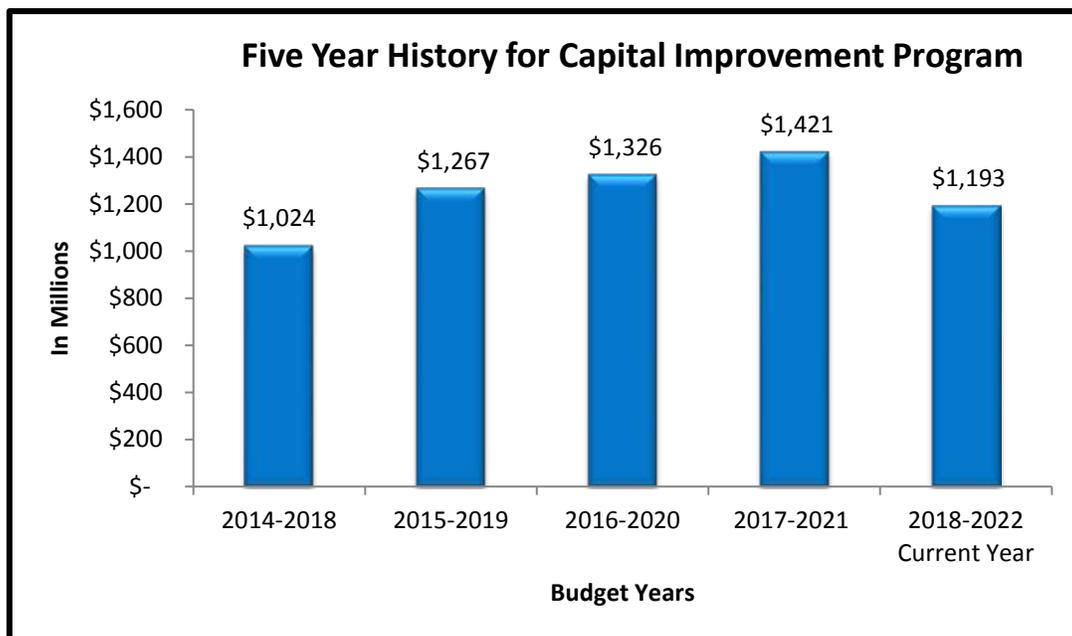
MESA, ARIZONA

## 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, a multi-year plan is developed.

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



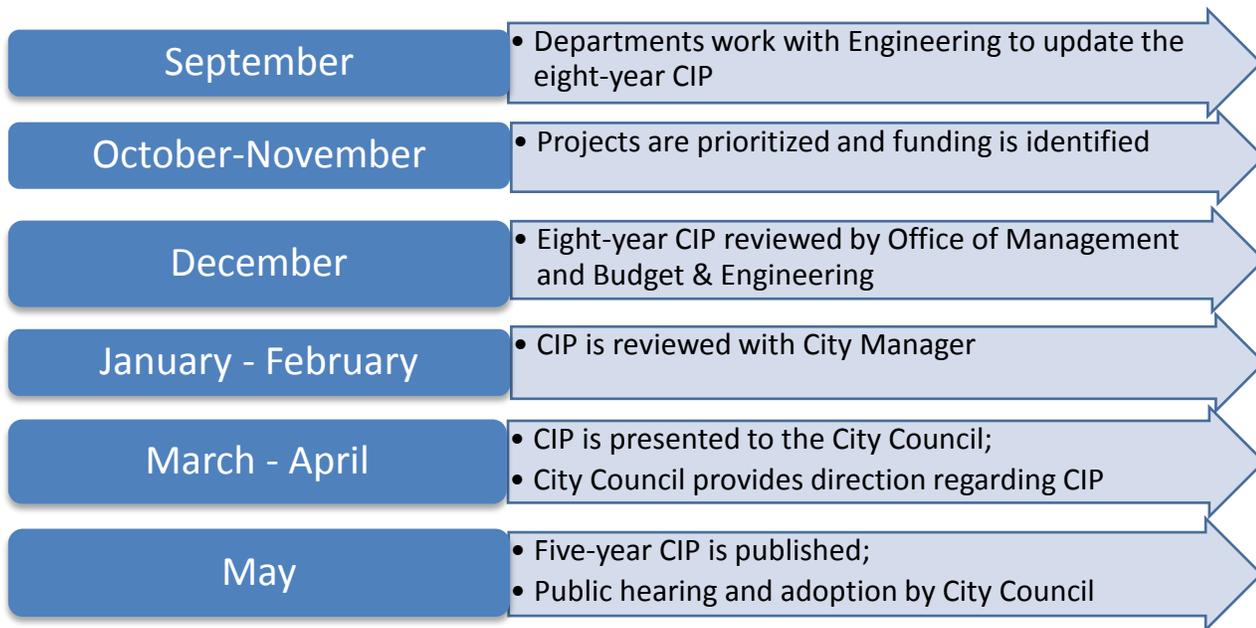
## CIP BUDGET PROCESS

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
- Creates efficiencies in existing facilities
- Prevents or reduces future improvement cost
- Provides services to developed areas lacking full service
- Promotes infill 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 2017/18 annual budget is \$339,383,000. 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 Sales Tax* – 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.

**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 fund 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 street sales tax (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 2016/17 CIP budget compared to FY 2017/18. 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 2016/17	FY 2017/18
<i>Operating Funds</i>		
Unrestricted	\$5,243,521	\$1,989,039
Restricted	\$48,095,479	\$113,441,961
<b>Operating Funds Subtotal</b>	<b>\$53,339,000</b>	<b>\$115,431,000</b>
<i>Bond Funds</i>		
General Obligation	\$47,320,397	\$25,699,409
Utility Revenue	\$211,260,603	\$150,721,591
<b>Bond Funds Subtotal</b>	<b>\$258,581,000</b>	<b>\$176,421,000</b>
<b>Total Budget (without carryover)</b>	<b>\$311,920,000</b>	<b>\$291,852,000</b>
<i>Carryover</i>		
Operating Funds Carryover	-	\$34,048,000
Bond Fund Carryover	-	\$13,483,000
<b>Carryover Subtotal</b>	<b>-</b>	<b>\$47,531,000</b>
<b>Total CIP Budget</b>	<b>\$311,920,000</b>	<b>\$339,383,000</b>

Notable differences in the CIP budget between FY 2016/17 and FY 2017/18 include the following:

*Operating Funds*- In FY 2017/18, there are streets & storm sewer projects including the Elliot Road Tech Corridor that will utilize funds from the Transportation Fund and the Highway User Revenue Fund. The Greenfield Wastewater Reclamation Plant Expansion will utilize funds from the Greenfield WRP Joint Venture Fund. 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.

*General Obligation Bonds* – The existing authorization for public safety and parks is nearing exhaustion. FY 2017/18 includes completing Pioneer Park and Eagles Park using Park bonds authorized by voters in 2012 and street improvements to the Elliot Road Technology Corridor and Mesa Drive from 8<sup>th</sup> Avenue to Main Street.

*Utility Systems Revenue Bonds* – Two major projects are underway, the Signal Butte Water Treatment Plant and the Greenfield Wastewater Reclamation Plant Expansion.

Construction activities continue in FY 2017/18. The total cost of the Signal Butte Water Treatment Plant is expected to be approximately \$125 million over the life of the project. The Greenfield Water Reclamation Plant Expansion will be completed in FY 2020/21.

*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. In 2016/17 the City did not use a budget carryover process in developing the proposed five-year CIP. The City instead attempted to manage the total project budget to ensure a project has sufficient funding to take it from design to completion. Not using the carryover process excluded remaining project budget from the forecast and prevented the City from being able to properly forecast expenditures to the various funds budgeted in the CIP. To help with the forecast, the adopted CIP includes \$47.5 million in carryover for projects to be completed in FY 2017/18.

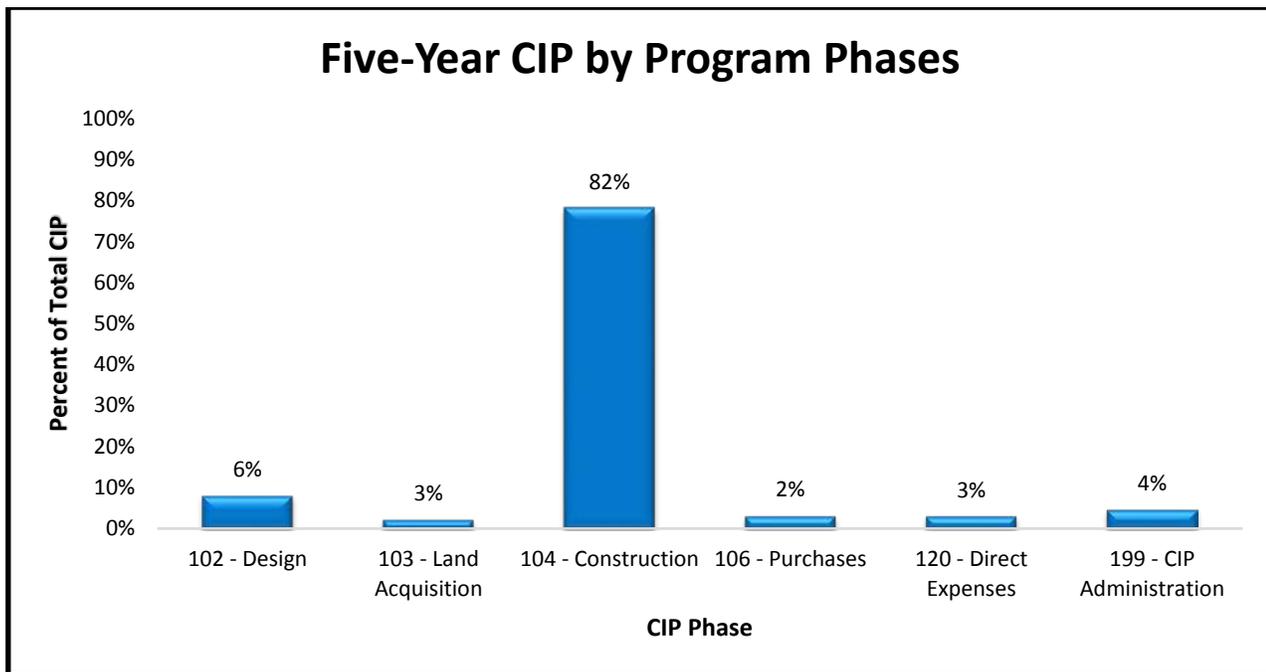
*Table 2: Summary of the 2018-2022 Five-year CIP Budget*

Funding Source	Five Year Capital Improvement Program Funding Sources					5 Year Total
	2017/18	2018/19	2019/20	2020/21	2021/22	
<b>Operating Funds</b>						
Restricted Funds	\$128,930,061	\$123,633,418	\$64,520,030	\$22,025,111	\$15,764,839	\$354,873,459
Unrestricted Funds	\$6,704,905	\$5,212,338	\$4,398,211	\$3,559,298	\$4,389,671	\$24,264,423
<b>Grant Funds</b>						
Grants-Enterprise	\$4,311,402	\$3,391,375	\$3,360,802	\$2,860,803	\$2,183,196	\$16,107,578
Grants - General Gov.	\$9,532,632	\$256,000	\$6,327,279	\$444,107	\$898,629	\$17,458,647
<b>Total Operating Funds</b>	<b>\$149,479,000</b>	<b>\$132,493,131</b>	<b>\$78,606,322</b>	<b>\$28,889,319</b>	<b>\$23,236,335</b>	<b>\$412,704,107</b>
<b>Bond Funds</b>						
Electric Bonds	\$7,519,810	\$2,108,425	\$2,110,440	\$4,903,496	\$5,514,743	\$22,156,914
Gas Bonds	\$13,759,450	\$10,255,208	\$18,394,280	\$36,440,523	\$22,937,660	\$101,787,121
Water Bonds	\$80,786,231	\$15,073,637	\$24,833,027	\$31,318,353	\$115,766,571	\$267,777,819
Wastewater Bonds	\$45,288,100	\$68,891,794	\$32,758,900	\$32,711,805	\$46,776,811	\$226,427,410
Parks Bonds	\$21,299,450	\$2,355,200	-	-	-	\$23,654,650
Public Safety Bonds	\$185,494	-	-	-	-	\$185,494
Streets Bonds	\$17,373,375	\$17,824,467	\$33,118,806	\$39,833,365	\$26,555,935	\$134,705,948
Spring Trainging Bond	\$324,090	-	-	-	-	\$324,090
Solid Waste Bonds	\$3,368,000	-	-	-	-	\$3,368,000
<b>Total Bond Funds</b>	<b>\$189,904,000</b>	<b>\$116,508,731</b>	<b>\$111,215,453</b>	<b>\$145,207,542</b>	<b>\$217,551,720</b>	<b>\$780,387,446</b>
<b>Total Budget</b>	<b>\$339,383,000</b>	<b>\$249,001,862</b>	<b>\$189,821,775</b>	<b>\$174,096,861</b>	<b>\$240,788,055</b>	<b>\$1,193,091,553</b>

## 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



The majority of the expenditures in Capital Improvement Program are for construction.

**Design:** this 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:** this phase includes the cost of the land, attorneys, and other expenditures related to the purchase of land, when necessary.

**Construction:** this phase includes construction contracts, materials testing, staff time (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:** this 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.

**Direct Expenses:** this 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:** this 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 (O&M) funding (e.g., 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				
	2017/18	2018/19	2019/20	2020/21	2021/22
General Fund	\$556,280	\$1,174,264	\$1,205,122	\$1,236,131	\$1,269,438
Cemetery Fund	\$11,000	\$11,264	\$11,543	\$11,840	\$12,159
Local Street Sales Tax	\$103,051	\$203,575	\$216,532	\$222,104	\$246,931
Environmental Compliance Fund	\$588,814	\$620,504	\$519,367	\$550,061	\$579,357
Enterprise Fund	\$3,155,205	\$2,720,729	\$3,852,205	\$4,023,377	\$4,189,397
Capital - Enterprise Fund	\$591,675	-	-	-	-
Greenfield WRP Joint Venture Fund	\$277,999	\$274,942	\$2,911,993	\$3,076,532	\$3,159,427
Highway User Revenue Fund	\$37,735	\$141,144	\$153,023	\$224,248	\$261,137
Transit Fund	-	\$938,496	\$3,846,734	\$3,945,716	\$4,052,030
<b>Total Operational Impact</b>	<b>\$5,321,759</b>	<b>\$6,084,918</b>	<b>\$12,716,519</b>	<b>\$13,290,009</b>	<b>\$13,769,876</b>

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 Pioneer and Eagles Parks. In addition, the City reserves a placeholder for the operating cost of a new fire station in the five-year plan.

*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.

*Transit Fund* – The Gilbert Road Light Rail Extension project is scheduled for completion in the fall of 2018. Funding has been allocated for the anticipated FY 2018/19 mid-year opening of the extension, with FY 2019/20 being the first full-year of operation.

*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.

## 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

CIP Impact on Operating Budget-Start-up vs. Ongoing					
Funding Source	2017/18	2018/19	2019/20	2020/21	2021/22
<b>General Fund</b>					
Ongoing	\$556,280	\$1,174,264	\$1,205,122	\$1,236,131	\$1,269,438
<b>Cemetery Fund</b>					
Ongoing	\$11,000	\$11,264	\$11,543	\$11,840	\$12,159
<b>Local Street Sales Tax</b>					
Ongoing	\$103,051	\$203,575	\$216,532	\$222,104	\$246,931
<b>Environmental Compliance Fund</b>					
Start-up	\$250,000	\$122,880	-	-	-
Ongoing	\$338,814	\$497,624	\$519,367	\$550,061	\$579,357
<b>Enterprise Fund</b>					
Start-up	\$1,583,904	-	-	-	-
Ongoing	\$1,571,301	\$2,720,729	\$3,852,205	\$4,023,377	\$4,189,397
<b>Capital - Enterprise Fund</b>					
Start-up	\$591,675	-	-	-	-
<b>Greenfield WRP Joint Venture Fund</b>					
Start-up	\$9,500	-	-	-	-
Ongoing	\$268,499	\$274,942	\$2,911,993	\$3,076,532	\$3,159,427
<b>Highway User Revenue Fund</b>					
Ongoing	\$37,735	\$141,144	\$153,023	\$224,248	\$261,137
<b>Transit Fund</b>					
Ongoing	-	\$938,496	\$3,846,734	\$3,945,716	\$4,052,030
<b>Total Operational Impact</b>	<b>\$5,321,759</b>	<b>\$6,084,918</b>	<b>\$12,716,519</b>	<b>\$13,290,009</b>	<b>\$13,769,876</b>

In this next section, two examples are highlighted that demonstrate the impact that capital projects can have on the City’s operating budget. Both projects have operating expenses in FY 2017/18. Each project will require funding in future years for ongoing operation. An estimated annual operating impact of each project and a description of the operating cost are provided.

# Signal Butte

Water Treatment Plant

## BY THE NUMBERS



**24 million**

gallons of potable water per day - expandable to 48 million gallons



**11**

finished water pumps delivering water to three pressure zones

**8 million**

gallon reservoir capacity



**10%**

size of the footprint of the proposed plant's ballasted flocculation process compared to the space needed for conventional treatment

### Signal Butte Water Treatment Plant

#### Project Description:

Construction is currently underway on the first phase of Signal Butte Water Treatment Plant that will service Southeast Mesa. Signal Butte, utilizing the latest technology for maximum operational flexibility, will have the capacity to treat 24 million gallons of water per day. The plant will incorporate safe and reliable water treatment technology with automation and quality monitoring systems to protect the public health.

#### Annual Operating Impact: ~\$2,312,000

The annual operations and maintenance costs will be \$2,312,000. The funding is expected to cover staffing costs and the upkeep of the plant.



## Eagles Park



### Project Description:

The grounds of the former Mesa Junior High School property will be converted into Eagles Park, a new City park and community center. The new park will include lighted multi-purpose fields, playground, a youth ninja-style exercise course, ADA compliant walkway with exercise stations for adults, picnic facilities, a community center, and new parking.

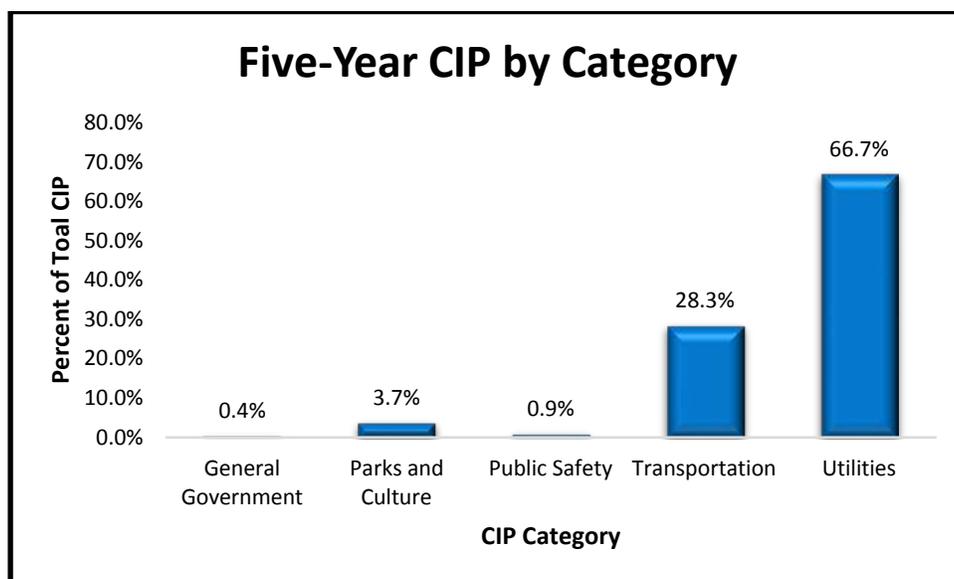
### Annual Operating Impact: ~\$682,000

The annual operations and maintenance costs will be \$682,000. The funding is expected to cover maintenance staffing cost and the upkeep of the park and its facilities. Specific costs could include landscaping and field maintenance.

## 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 the five following categories: Economic Investment, 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 environmental mitigation improvements 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; and solid waste facility improvements.

## PLANNING FOR

# nextmesa

The 2012 and 2013 voter-approved GO bond authorizations for Parks, Public Safety, and Streets 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.

The Parks, Recreation, and Commercial Facilities department is working on a master plan update for park facilities. This comprehensive review and analysis of the City's park system will identify the opportunities to continue the success of the 2012 Park bond projects. As the master plan is underway, there are no major park improvements included in the 2018-2022 CIP. It is anticipated that the master plan will be completed in the Fall of 2017.

Streets priorities are included in the summaries and individual project pages of this book. These projects include improvements to arterial roadways, neighborhood streets, and shared-use paths. Several projects include grant funding or are identified in the regional transportation plan using local funding to leverage proposition 400 revenues allocated to City projects. The plan supports the multi-modal transportation needs of the City of Mesa.

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. While the projects are noted as priorities, they are not included in the CIP.

- Police Central Substation Renovation
- Police Headquarters Renovation
- Police Aviation
- Police Evidence Storage Facility
- Police Northeast Substation
- Fire Station 221 – Eastmark
- Fire Station 205 Rebuild
- Fire Station 209 Expansion
- Fire Station 222 – Battalion Headquarters
- Land Acquisition for Fire Stations
- Public Safety Training Facility Drive Track Reconstruction
- Topaz Communication System Networking
- Public Safety Fiber Phase II
- Communications Building Renovation

## 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

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MESA, ARIZONA

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# Capital Expenditure Summary

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### City Facilities

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
AZ Lab Utility Service Entrance Section	CP0580	Economic Investment Fund	\$52,850	\$442,862	-	-	-	-	-	\$495,712
<b>Total For AZ Lab Utility Service Entrance Section</b>			<b>\$52,850</b>	<b>\$442,862</b>	-	-	-	-	-	<b>\$495,712</b>
Convention Center Walkway Lighting	CP0584	Convention Center	\$29,323	\$202,489	-	-	-	-	-	\$231,812
<b>Total For Convention Center Walkway Lighting</b>			<b>\$29,323</b>	<b>\$202,489</b>	-	-	-	-	-	<b>\$231,812</b>
Downtown Facade Improvement	CP0781	Grants - Gen. Gov.	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total For Downtown Facade Improvement</b>			-	<b>\$150,000</b>	-	-	-	-	-	<b>\$150,000</b>
East Mesa Service Center Fleet Bay Cooler	CP0572	Capital - General Fund	\$358,971	\$485,000	-	-	-	-	-	\$843,971
<b>Total For East Mesa Service Center Fleet Bay Cooler</b>			<b>\$358,971</b>	<b>\$485,000</b>	-	-	-	-	-	<b>\$843,971</b>
East Valley Adult Resources Building	CP0568	Capital - General Fund	\$13,401	\$833	-	-	-	-	-	\$14,234
		Community Development Block Grant	\$11,881	\$962,003	-	-	-	-	-	\$973,884
<b>Total For East Valley Adult Resources Building</b>			<b>\$25,282</b>	<b>\$962,836</b>	-	-	-	-	-	<b>\$988,118</b>
Gene Autry Clubhouse Septic System	CP0688	Capital - General Fund	\$15,301	\$511,269	-	-	-	-	-	\$526,570
<b>Total For Gene Autry Clubhouse Septic System</b>			<b>\$15,301</b>	<b>\$511,269</b>	-	-	-	-	-	<b>\$526,570</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### City Facilities

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Mesa Family Advocacy HVAC System & Roofing	CP0770	Capital - General Fund	\$2,901	\$438,125	-	-	-	-	-	\$441,026
<b>Total For Mesa Family Advocacy HVAC System &amp; Roofing</b>			<b>\$2,901</b>	<b>\$438,125</b>	-	-	-	-	-	<b>\$441,026</b>
Police Central Division Drain Lines	CP0679	Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
<b>Total For Police Central Division Drain Lines</b>			-	<b>\$210,000</b>	-	-	-	-	-	<b>\$210,000</b>
Police Headquarters Generator	CP0785	Capital - General Fund	\$1,167	\$614,910	-	-	-	-	-	\$616,077
<b>Total For Police Headquarters Generator</b>			<b>\$1,167</b>	<b>\$614,910</b>	-	-	-	-	-	<b>\$616,077</b>
Red Mountain Multi-Generational Center Flooring	CP0687	Capital - General Fund	\$38	\$524,961	-	-	-	-	-	\$524,999
<b>Total For Red Mountain Multi-Generational Center Flooring</b>			<b>\$38</b>	<b>\$524,961</b>	-	-	-	-	-	<b>\$524,999</b>
South Center Campus Improvements	CP0791	Capital - General Fund	\$83	\$250,000	-	-	-	-	-	\$250,083
<b>Total For South Center Campus Improvements</b>			<b>\$83</b>	<b>\$250,000</b>	-	-	-	-	-	<b>\$250,083</b>
<b>Total for City Facilities</b>			<b>\$485,915</b>	<b>\$4,792,452</b>	-	-	-	-	-	<b>\$5,278,367</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Arts and Culture

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Museum & Cultural Resource Renovation	CP0213	2012 Park Bond	\$644,800	\$2,000,000	\$2,355,200	-	-	-	-	\$5,000,000
<b>Total For Museum &amp; Cultural Resource Renovation</b>			<b>\$644,800</b>	<b>\$2,000,000</b>	<b>\$2,355,200</b>	-	-	-	-	<b>\$5,000,000</b>
<b>Total for Arts and Culture</b>			<b>\$644,800</b>	<b>\$2,000,000</b>	<b>\$2,355,200</b>	-	-	-	-	<b>\$5,000,000</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Cemetery

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Cemetery North Expansion	CP0583	Cemetery	\$377,542	-	-	-	-	-	-	\$377,542
		Cemetery Reserve	-	\$983,850	-	-	-	-	-	\$983,850
<b>Total For Cemetery North Expansion</b>			<b>\$377,542</b>	<b>\$983,850</b>	-	-	-	-	-	<b>\$1,361,392</b>
Future Cemetery Expansion	CP0712	Cemetery Reserve	-	-	-	\$17,146	\$344,445	-	-	\$361,591
<b>Total For Future Cemetery Expansion</b>			-	-	-	<b>\$17,146</b>	<b>\$344,445</b>	-	-	<b>\$361,591</b>
<b>Total for Cemetery</b>			<b>\$377,542</b>	<b>\$983,850</b>	-	<b>\$17,146</b>	<b>\$344,445</b>	-	-	<b>\$1,722,983</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Hohokam Stadium / Fitch Park

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Hohokam Stadium Capital Improvements	CP0717	Hohokam/Fitch Sports Complex	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total For Hohokam Stadium Capital Improvements</b>			-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>
<b>Total for Hohokam Stadium / Fitch Park</b>			-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Library

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Main Library Improvements	CP0678	Community Development Block Grant	\$1,040	\$100,000	-	-	-	-	-	\$101,040
		Grants - Gen. Gov.	\$55,378	\$30,628	-	-	-	-	-	\$86,006
		Restricted Programs Fund	\$785	\$130,000	-	-	-	-	-	\$130,785
<b>Total For Main Library Improvements</b>			<b>\$57,202</b>	<b>\$260,628</b>	-	-	-	-	-	<b>\$317,830</b>
<b>Total for Library</b>			<b>\$57,202</b>	<b>\$260,628</b>	-	-	-	-	-	<b>\$317,830</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Museum

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Arizona Museum of Natural History Dinosaur Facade	CP0783	Arts & Culture Fund	\$3,629	\$133,000	-	-	-	-	-	\$136,629
<b>Total For Arizona Museum of Natural History Dinosaur Facade</b>			<b>\$3,629</b>	<b>\$133,000</b>	-	-	-	-	-	<b>\$136,629</b>
Arizona Museum of Natural History Security System	CP0561	Arts & Culture Fund	\$108	\$1,139	-	-	-	-	-	\$1,247
		Capital - General Fund	\$5,034	\$77,149	-	-	-	-	-	\$82,183
		Grants - Gen. Gov.	\$11,805	-	-	-	-	-	-	\$11,805
<b>Total For Arizona Museum of Natural History Security System</b>			<b>\$16,947</b>	<b>\$78,288</b>	-	-	-	-	-	<b>\$95,235</b>
<b>Total for Museum</b>			<b>\$20,575</b>	<b>\$211,288</b>	-	-	-	-	<b>\$427,385</b>	<b>\$659,248</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Cubs Facility Improvements	CP0723	Spring Training Bond Construction	\$18,673	\$324,090	-	-	-	-	-	\$342,763
<b>Total For Cubs Facility Improvements</b>			<b>\$18,673</b>	<b>\$324,090</b>	-	-	-	-	-	<b>\$342,763</b>
Eagles Park	CP0211	2012 Park Bond	\$435,051	\$3,000,000	-	-	-	-	-	\$3,435,051
		Community Development Block Grant	-	\$400,000	-	-	-	-	-	\$400,000
		Local Streets Sales Tax	-	\$2,558,811	-	-	-	-	-	\$2,558,811
		Neighborhood Stabilization Program 1	\$204,881	\$2,600,000	-	-	-	-	-	\$2,804,881
<b>Total For Eagles Park</b>			<b>\$639,933</b>	<b>\$8,558,811</b>	-	-	-	-	-	<b>\$9,198,744</b>
Engineering Park Irrigation Projects	CP0485	2012 Park Bond	\$1,183,221	-	-	-	-	-	-	\$1,183,221
		Capital - General Fund	\$55,332	\$120,000	\$2,048,000	\$2,098,600	\$807,225	\$2,210,600	\$1,366,549	\$8,706,306
<b>Total For Engineering Park Irrigation Projects</b>			<b>\$1,238,552</b>	<b>\$120,000</b>	<b>\$2,048,000</b>	<b>\$2,098,600</b>	<b>\$807,225</b>	<b>\$2,210,600</b>	<b>\$1,366,549</b>	<b>\$9,889,526</b>
Gene Autry Park Improvements	CP0559	2012 Park Bond	\$358,997	\$150,000	-	-	-	-	-	\$508,997
		Capital - General Fund	\$3,556	\$8,000	-	-	-	-	-	\$11,556
<b>Total For Gene Autry Park Improvements</b>			<b>\$362,552</b>	<b>\$158,000</b>	-	-	-	-	-	<b>\$520,552</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Greenfield Park Urban Fishing Lake	CP0010	2012 Park Bond	\$637,702	\$2,900,000	-	-	-	-	-	\$3,537,702
		2013 Street Bond	\$248,670	-	-	-	-	-	-	\$248,670
		Environmental Compliance Fee	\$209,176	-	-	-	-	-	-	\$209,176
<b>Total For Greenfield Park Urban Fishing Lake</b>			<b>\$1,095,548</b>	<b>\$2,900,000</b>	-	-	-	-	-	<b>\$3,995,548</b>
Kleinman Park	CP0553	2012 Park Bond	\$401,852	\$1,100,000	-	-	-	-	-	\$1,501,852
<b>Total For Kleinman Park</b>			<b>\$401,852</b>	<b>\$1,100,000</b>	-	-	-	-	-	<b>\$1,501,852</b>
Minor Equipment	CP0303	Capital - General Fund	\$265,284	-	\$80,640	\$82,633	\$84,759	\$87,043	\$141,885	\$742,244
<b>Total For Minor Equipment</b>			<b>\$265,284</b>	-	<b>\$80,640</b>	<b>\$82,633</b>	<b>\$84,759</b>	<b>\$87,043</b>	<b>\$141,885</b>	<b>\$742,244</b>
Parks Irrigation Controllers	CN0009	2012 Park Bond	-	\$250,000	-	-	-	-	-	\$250,000
		Capital - General Fund	\$350,892	\$100,000	\$266,240	-	-	-	-	\$717,132
<b>Total For Parks Irrigation Controllers</b>			<b>\$350,892</b>	<b>\$350,000</b>	<b>\$266,240</b>	-	-	-	-	<b>\$967,132</b>
Pioneer Park Renovations	CP0015	2012 Park Bond	\$922,342	\$6,999,992	-	-	-	-	-	\$7,922,334
		Environmental Compliance Fee	\$36,063	-	-	-	-	-	-	\$36,063
<b>Total For Pioneer Park Renovations</b>			<b>\$958,405</b>	<b>\$6,999,992</b>	-	-	-	-	-	<b>\$7,958,397</b>
Playground Improvements	CP0486	2012 Park Bond	\$122,341	-	-	-	-	-	-	\$122,341
		Capital - General Fund	\$84,930	\$250,000	\$427,731	\$236,456	\$565,058	\$290,141	\$2,505,123	\$4,359,439

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Playground Improvements</b>			<b>\$207,272</b>	<b>\$250,000</b>	<b>\$427,731</b>	<b>\$236,456</b>	<b>\$565,058</b>	<b>\$290,141</b>	<b>\$2,505,123</b>	<b>\$4,481,781</b>
Playground Upgrades	CP0300	2012 Park Bond	\$1,056,159	-	-	-	-	-	-	\$1,056,159
		Capital - General Fund	\$249,887	\$17,555	-	-	-	-	-	\$267,442
<b>Total For Playground Upgrades</b>			<b>\$1,306,046</b>	<b>\$17,555</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,323,601</b>
Pool Improvements	CP0487	Capital - General Fund	\$533,939	\$179,985	\$147,840	\$702,375	\$1,401,343	\$1,105,300	\$2,133,085	\$6,203,867
<b>Total For Pool Improvements</b>			<b>\$533,939</b>	<b>\$179,985</b>	<b>\$147,840</b>	<b>\$702,375</b>	<b>\$1,401,343</b>	<b>\$1,105,300</b>	<b>\$2,133,085</b>	<b>\$6,203,867</b>
Recreation Facility Improvements	CP0488	Capital - General Fund	\$199,869	\$651,294	\$741,888	\$209,335	\$406,841	\$394,592	\$409,280	\$3,013,099
		Hohokam/Fitch Sports Complex	\$713	-	-	-	-	-	-	\$713
<b>Total For Recreation Facility Improvements</b>			<b>\$200,581</b>	<b>\$651,294</b>	<b>\$741,888</b>	<b>\$209,335</b>	<b>\$406,841</b>	<b>\$394,592</b>	<b>\$409,280</b>	<b>\$3,013,811</b>
Riverview Irrigation Filter Upgrade	CP0784	Cubs Spring Training Facility	-	\$197,190	-	-	-	-	-	\$197,190
<b>Total For Riverview Irrigation Filter Upgrade</b>			<b>-</b>	<b>\$197,190</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$197,190</b>
Signal Butte & Elliot Park Development	CP0121	2012 Park Bond	\$4,056	\$1,202,111	-	-	-	-	-	\$1,206,167
		Capital - General Fund	\$3,096	-	-	-	-	-	-	\$3,096
		Highway User Revenue Fund	\$104	-	-	-	-	-	-	\$104
<b>Total For Signal Butte &amp; Elliot Park Development</b>			<b>\$7,256</b>	<b>\$1,202,111</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,209,367</b>
Sloan Park Capital Improvements	CP0716	Cubs Spring Training Facility	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Parks & Recreation

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Sloan Park Capital Improvements</b>			-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total for Parks &amp; Recreation</b>			\$8,807,763	\$23,034,028	\$3,737,939	\$3,355,632	\$3,292,134	\$4,115,309	\$6,673,618	\$53,016,423

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Radio Network Upgrade - Mesa Share	CN0023	2013 Public Safety Bond	\$2,200,000	-	-	-	-	-	-	\$2,200,000
		Capital - General Fund	\$88,741	\$325,371	\$333,180	\$341,412	-	-	-	\$1,088,704
<b>Total For Radio Network Upgrade - Mesa Share</b>			<b>\$2,288,741</b>	<b>\$325,371</b>	<b>\$333,180</b>	<b>\$341,412</b>	-	-	-	<b>\$3,288,704</b>
TOPAZ Radio Network Upgrade	CN0022	Topaz Capital Programs	-	\$433,828	\$444,240	\$455,216	-	-	-	\$1,333,284
		TOPAZ Joint Venture Fund	\$4,067,655	-	-	-	-	-	-	\$4,067,655
<b>Total For TOPAZ Radio Network Upgrade</b>			<b>\$4,067,655</b>	<b>\$433,828</b>	<b>\$444,240</b>	<b>\$455,216</b>	-	-	-	<b>\$5,400,939</b>
TOPAZ Transmission Lines/Antennas	CP0699	Topaz Capital Programs	-	-	\$215,040	\$220,353	-	-	-	\$435,393
<b>Total For TOPAZ Transmission Lines/Antennas</b>			-	-	<b>\$215,040</b>	<b>\$220,353</b>	-	-	-	<b>\$435,393</b>
TOPAZ VHF Radio System	CP0305	Topaz Capital Programs	\$1,354,215	\$675,976	-	-	-	-	-	\$2,030,191
<b>Total For TOPAZ VHF Radio System</b>			<b>\$1,354,215</b>	<b>\$675,976</b>	-	-	-	-	-	<b>\$2,030,191</b>
TOPAZ Wireless Backhaul Microwaves	CP0093	Capital - General Fund	-	\$13,335	\$645,120	-	-	-	-	\$658,455
		Topaz Capital Programs	\$43,316	\$240,000	-	-	-	-	-	\$283,316

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Communications

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For TOPAZ Wireless Backhaul Microwaves</b>			<b>\$43,316</b>	<b>\$253,335</b>	<b>\$645,120</b>	-	-	-	-	<b>\$941,771</b>
VHF Radio System - Mesa Share	CN0021	Capital - General Fund	\$1,005,700	\$452,272	-	-	-	-	-	\$1,457,972
<b>Total For VHF Radio System - Mesa Share</b>			<b>\$1,005,700</b>	<b>\$452,272</b>	-	-	-	-	-	<b>\$1,457,972</b>
Wireless Backhaul Mircowaves - Mesa Share	CN0034	Capital - General Fund	-	\$285,001	\$241,920	-	-	-	-	\$526,921
<b>Total For Wireless Backhaul Mircowaves - Mesa Share</b>			<b>-</b>	<b>\$285,001</b>	<b>\$241,920</b>	-	-	-	-	<b>\$526,921</b>
<b>Total for Communications</b>			<b>\$8,759,627</b>	<b>\$2,425,783</b>	<b>\$1,879,500</b>	<b>\$1,016,981</b>	-	-	-	<b>\$14,081,891</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Environment and Sustainability

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Household Hazardous Waste Facility	CP0588	1994 Solid Waste Bond	\$1,620	\$3,368,000	-	-	-	-	-	\$3,369,620
		Environmental Compliance Fee	\$246,282	\$136,760	-	-	-	-	-	\$383,042
<b>Total For Household Hazardous Waste Facility</b>			<b>\$247,901</b>	<b>\$3,504,760</b>	-	-	-	-	-	<b>\$3,752,661</b>
<b>Total for Environment and Sustainability</b>			<b>\$247,901</b>	<b>\$3,504,760</b>	-	-	-	-	-	<b>\$3,752,661</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Fire and Medical

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Mesa Regional Dispatch and Emergency Operations Center	CP0340	2008 Public Safety Bond	\$1,000,000	-	-	-	-	-	-	\$1,000,000
		2013 Public Safety Bond	\$6,768,161	-	-	-	-	-	-	\$6,768,161
		Capital - General Fund	\$246,167	-	-	-	-	-	-	\$246,167
		Grants - Gen. Gov.	\$25,941	\$453,152	-	-	-	-	-	\$479,093
<b>Total For Mesa Regional Dispatch and Emergency Operations Center</b>			<b>\$8,040,270</b>	<b>\$453,152</b>	-	-	-	-	-	<b>\$8,493,422</b>
<b>Total for Fire and Medical</b>			<b>\$8,040,270</b>	<b>\$453,152</b>	-	-	-	-	-	<b>\$8,493,422</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Police

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Advocacy Center Interview Suite Sound Attenuation Upgrades	CP0747	Capital - General Fund	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total For Advocacy Center Interview Suite Sound Attenuation Upgrades</b>			<b>-</b>	<b>\$150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$150,000</b>
Aviation Unit Hangar Remodel	CP0216	2013 Public Safety Bond	\$233,755	\$185,494	-	-	-	-	-	\$419,249
		Capital - General Fund	\$425	\$9,275	-	-	-	-	-	\$9,700
<b>Total For Aviation Unit Hangar Remodel</b>			<b>\$234,180</b>	<b>\$194,769</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$428,949</b>
Central Community Media Room	CP0542	Capital - General Fund	\$111,340	\$29,600	-	-	-	-	-	\$140,940
<b>Total For Central Community Media Room</b>			<b>\$111,340</b>	<b>\$29,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$140,940</b>
Superstition Investigations Area Renovation	CP0596	Capital - General Fund	\$161,571	\$83,433	-	-	-	-	-	\$245,004
<b>Total For Superstition Investigations Area Renovation</b>			<b>\$161,571</b>	<b>\$83,433</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$245,004</b>
<b>Total for Police</b>			<b>\$507,090</b>	<b>\$457,802</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$964,892</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Acute Angle Taxiways	CP0416	Falcon Field Airport	\$13,313	\$9,405	\$126,065	-	-	-	-	\$148,783
		Falcon Field Grants	\$84,274	\$66,091	\$1,271,695	-	-	-	-	\$1,422,060
		General Fund	\$200	-	-	-	-	-	-	\$200
<b>Total For Acute Angle Taxiways</b>			<b>\$97,786</b>	<b>\$75,496</b>	<b>\$1,397,760</b>	-	-	-	-	<b>\$1,571,042</b>
Airfield Lighting and Signage Upgrade	CP0114	Falcon Field Airport	\$11,062	\$667,515	-	-	-	-	-	\$678,577
		Falcon Field Grants	-	\$2,674,840	-	-	-	-	-	\$2,674,840
<b>Total For Airfield Lighting and Signage Upgrade</b>			<b>\$11,062</b>	<b>\$3,342,355</b>	-	-	-	-	-	<b>\$3,353,417</b>
Airport Historic Zone Improvements	C09036	2014 Wastewater Bond	\$11,759	-	-	-	-	-	-	\$11,759
		Falcon Field Airport	\$592,803	\$1,646,441	-	-	-	-	-	\$2,239,244
<b>Total For Airport Historic Zone Improvements</b>			<b>\$604,561</b>	<b>\$1,646,441</b>	-	-	-	-	-	<b>\$2,251,002</b>
Airport Weather Observation System	CP0759	Falcon Field Airport	-	-	-	-	-	\$31,402	-	\$31,402
		Falcon Field Grants	-	-	-	-	-	\$316,768	-	\$316,768
<b>Total For Airport Weather Observation System</b>			-	-	-	-	-	<b>\$348,170</b>	-	<b>\$348,170</b>
Apron Lighting	C06033	Falcon Field Airport	-	-	-	-	\$112,119	-	-	\$112,119

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Apron Lighting		Falcon Field Grants	-	-	-	-	\$1,131,008	-	-	\$1,131,008
<b>Total For Apron Lighting</b>			-	-	-	-	<b>\$1,243,127</b>	-	-	<b>\$1,243,127</b>
Automated Surface Observing System (ASOS)	C10470	Falcon Field Airport	\$162,597	\$4,975	-	-	-	-	-	\$167,572
<b>Total For Automated Surface Observing System (ASOS)</b>			<b>\$162,597</b>	<b>\$4,975</b>	-	-	-	-	-	<b>\$167,572</b>
Blast Pads for Runway 4L-22R	C07044	Falcon Field Airport	\$36,296	\$39,918	-	-	-	-	-	\$76,214
		Falcon Field Grants	\$228,577	\$230,936	-	-	-	-	-	\$459,513
<b>Total For Blast Pads for Runway 4L-22R</b>			<b>\$264,873</b>	<b>\$270,854</b>	-	-	-	-	-	<b>\$535,727</b>
City Owned Buildings and Property Improvements	CP0763	Falcon Field Airport	-	\$157,500	-	-	-	-	-	\$157,500
<b>Total For City Owned Buildings and Property Improvements</b>			-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>
East Side Improvements	CP0690	Falcon Field Airport	-	-	-	-	\$449,394	\$1,084,395	-	\$1,533,789
<b>Total For East Side Improvements</b>			-	-	-	-	<b>\$449,394</b>	<b>\$1,084,395</b>	-	<b>\$1,533,789</b>
Eastside Taxilane	C06020	Falcon Field Airport	-	-	-	-	-	\$31,402	\$303,704	\$335,106
		Falcon Field Grants	-	-	-	-	-	\$316,768	\$3,063,656	\$3,380,424
<b>Total For Eastside Taxilane</b>			-	-	-	-	-	<b>\$348,170</b>	<b>\$3,367,360</b>	<b>\$3,715,530</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Falcon Field Master Plan	CP0256	Falcon Field Airport	\$4,962	\$89,615	-	-	-	-	-	\$94,577
		Falcon Field Grants	-	\$716,475	-	-	-	-	-	\$716,475
<b>Total For Falcon Field Master Plan</b>			<b>\$4,962</b>	<b>\$806,090</b>	-	-	-	-	-	<b>\$811,052</b>
Falcon Tech Center	CP0746	Falcon Field Airport	\$97,662	\$101,249	-	-	-	-	-	\$198,911
<b>Total For Falcon Tech Center</b>			<b>\$97,662</b>	<b>\$101,249</b>	-	-	-	-	-	<b>\$198,911</b>
Runway 22R Approach Easement	CP0400	Falcon Field Airport	-	-	-	\$86,014	-	-	-	\$86,014
		Falcon Field Grants	-	-	-	\$516,087	-	-	-	\$516,087
<b>Total For Runway 22R Approach Easement</b>			-	-	-	<b>\$602,101</b>	-	-	-	<b>\$602,101</b>
Runway Protection Zone Improvements	CP0398	Falcon Field Airport	\$36,354	-	-	\$19,874	\$122,311	-	-	\$178,539
		Falcon Field Grants	-	-	-	\$200,479	\$1,233,827	-	-	\$1,434,306
<b>Total For Runway Protection Zone Improvements</b>			<b>\$36,354</b>	-	-	<b>\$220,353</b>	<b>\$1,356,138</b>	-	-	<b>\$1,612,845</b>
Safety Area Improvements	CP0397	Falcon Field Airport	-	\$75,000	\$353,280	\$440,706	-	-	-	\$868,986
		Falcon Field Grants	-	\$450,000	\$2,119,680	\$2,644,236	-	-	-	\$5,213,916
<b>Total For Safety Area Improvements</b>			-	<b>\$525,000</b>	<b>\$2,472,960</b>	<b>\$3,084,942</b>	-	-	-	<b>\$6,082,902</b>
Stormwater Drainage Plan Update	C06029	Falcon Field Airport	-	-	-	-	\$30,578	-	-	\$30,578

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Falcon Field Airport

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Stormwater Drainage Plan Update		Falcon Field Grants	-	-	-	-	\$308,457	-	-	\$308,457
<b>Total For Stormwater Drainage Plan Update</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$339,035</b>	<b>-</b>	<b>-</b>	<b>\$339,035</b>
Taxiway C and Runway 4R Run-Up Area	CP0719	Falcon Field Airport	\$165,975	\$54,961	-	-	-	-	-	\$220,936
		Falcon Field Grants	\$1,850,961	\$173,060	-	-	-	-	-	\$2,024,021
<b>Total For Taxiway C and Runway 4R Run-Up Area</b>			<b>\$2,016,936</b>	<b>\$228,021</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,244,957</b>
Taxiway C Run-Up Area	CP0691	Falcon Field Airport	-	-	-	-	\$18,589	\$153,620	-	\$172,209
		Falcon Field Grants	-	-	-	-	\$187,511	\$1,549,660	-	\$1,737,171
<b>Total For Taxiway C Run-Up Area</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$206,100</b>	<b>\$1,703,280</b>	<b>-</b>	<b>\$1,909,380</b>
Wash Rack Shade Structure	C07039	Falcon Field Airport	\$202,103	\$626,849	-	-	-	-	-	\$828,952
<b>Total For Wash Rack Shade Structure</b>			<b>\$202,103</b>	<b>\$626,849</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$828,952</b>
Waste Container Enclosures	CP0762	Falcon Field Airport	-	\$157,500	-	-	-	-	-	\$157,500
<b>Total For Waste Container Enclosures</b>			<b>-</b>	<b>\$157,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$157,500</b>
<b>Total for Falcon Field Airport</b>			<b>\$3,498,896</b>	<b>\$7,942,330</b>	<b>\$3,870,720</b>	<b>\$3,907,396</b>	<b>\$3,593,794</b>	<b>\$3,484,015</b>	<b>\$3,367,360</b>	<b>\$29,664,511</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Intelligent Transportation System

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Central Traffic Signal System	CP0655	Local Streets Sales Tax	-	-	-	-	\$734,575	-	-	\$734,575
<b>Total For Central Traffic Signal System</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$734,575</b>	<b>-</b>	<b>-</b>	<b>\$734,575</b>
East Valley Arterial Congestion Monitoring	CP0419	Grants - Gen. Gov.	\$533,817	\$731,719	-	-	-	-	-	\$1,265,536
		Local Streets Sales Tax	\$81,235	\$128,011	-	-	-	-	-	\$209,246
<b>Total For East Valley Arterial Congestion Monitoring</b>			<b>\$615,052</b>	<b>\$859,730</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,474,782</b>
ITS Traffic Signal Cabinets	CP0728	Grants - Gen. Gov.	-	-	-	-	-	\$898,629	-	\$898,629
		Local Streets Sales Tax	-	-	-	-	\$61,381	\$621,645	-	\$683,026
<b>Total For ITS Traffic Signal Cabinets</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$61,381</b>	<b>\$1,520,274</b>	<b>-</b>	<b>\$1,581,655</b>
Traffic Signal Cabinet & Controllers Upgrade in East Mesa	CP0653	Grants - Gen. Gov.	-	\$780,000	-	-	-	-	-	\$780,000
		Local Streets Sales Tax	\$12,862	\$682,546	-	-	-	-	-	\$695,408
<b>Total For Traffic Signal Cabinet &amp; Controllers Upgrade in East Mesa</b>			<b>\$12,862</b>	<b>\$1,462,546</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,475,408</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Intelligent Transportation System

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Traffic Signals - New and Upgrade	CP0586	Local Streets Sales Tax	\$361,852	\$2,155,111	\$1,612,283	\$1,652,118	\$1,694,630	\$1,740,290	\$7,412,412	\$16,628,696
<b>Total For Traffic Signals - New and Upgrade</b>			<b>\$361,852</b>	<b>\$2,155,111</b>	<b>\$1,612,283</b>	<b>\$1,652,118</b>	<b>\$1,694,630</b>	<b>\$1,740,290</b>	<b>\$7,412,412</b>	<b>\$16,628,696</b>
Traffic Signals - Public Safety Opticom	CP0702	Local Streets Sales Tax	\$5,860	\$640,000	\$327,680	\$335,776	\$344,416	\$353,696	\$1,506,496	\$3,513,924
<b>Total For Traffic Signals - Public Safety Opticom</b>			<b>\$5,860</b>	<b>\$640,000</b>	<b>\$327,680</b>	<b>\$335,776</b>	<b>\$344,416</b>	<b>\$353,696</b>	<b>\$1,506,496</b>	<b>\$3,513,924</b>
<b>Total for Intelligent Transportation System</b>			<b>\$995,626</b>	<b>\$5,117,387</b>	<b>\$1,939,963</b>	<b>\$1,987,894</b>	<b>\$2,835,002</b>	<b>\$3,614,260</b>	<b>\$8,918,908</b>	<b>\$25,409,040</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Shared Use Paths

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Bike and Ped Pilot projects	CP0531	Local Streets Sales Tax	-	\$745,200	\$387,072	-	-	-	-	\$1,132,272
<b>Total For Bike and Ped Pilot projects</b>			<b>-</b>	<b>\$745,200</b>	<b>\$387,072</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,132,272</b>
Consolidated Canal Pathway Lighting; Adobe to Lindsay	CP0274	Local Streets Sales Tax	\$75,528	\$742,350	-	-	-	-	-	\$817,878
<b>Total For Consolidated Canal Pathway Lighting; Adobe to Lindsay</b>			<b>\$75,528</b>	<b>\$742,350</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$817,878</b>
Eastern Canal Shared-Use Path; Gilbert to University	CP0673	2018 Street Bond	-	-	\$1,457,769	\$3,084,942	-	-	-	\$4,542,711
<b>Total For Eastern Canal Shared-Use Path; Gilbert to University</b>			<b>-</b>	<b>-</b>	<b>\$1,457,769</b>	<b>\$3,084,942</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,542,711</b>
Lehi Crossing Shared-Use Pathway	CP0672	2018 Street Bond	-	-	\$1,399,760	\$827,583	\$10,017,463	-	-	\$12,244,806
		Local Streets Sales Tax	-	-	\$519,911	\$307,391	\$3,720,770	-	-	\$4,548,072
<b>Total For Lehi Crossing Shared-Use Pathway</b>			<b>-</b>	<b>-</b>	<b>\$1,919,671</b>	<b>\$1,134,974</b>	<b>\$13,738,233</b>	<b>-</b>	<b>-</b>	<b>\$16,792,878</b>
South Canal Shared-Use Path; Consolidated Canal to McDowell	CP0671	Grants - Gen. Gov.	-	-	-	-	-	-	\$2,445,879	\$2,445,879

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Shared Use Paths

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
South Canal Shared-Use Path; Consolidated Canal to McDowell		Local Streets Sales Tax	\$13,074	\$298,900	-	-	-	-	\$365,903	\$677,877
<b>Total For South Canal Shared-Use Path; Consolidated Canal to McDowell</b>			<b>\$13,074</b>	<b>\$298,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,811,782</b>	<b>\$3,123,756</b>
Southeast Mesa Bike and Pedestrian Path (Segments 2-5)	CP0529	2018 Street Bond	-	-	\$179,558	\$469,730	\$1,781,315	\$2,092,731	\$2,145,934	\$6,669,268
		Grants - Gen. Gov.	-	-	-	\$1,699,866	\$444,107	-	-	\$2,143,973
<b>Total For Southeast Mesa Bike and Pedestrian Path (Segments 2-5)</b>			<b>-</b>	<b>-</b>	<b>\$179,558</b>	<b>\$2,169,596</b>	<b>\$2,225,422</b>	<b>\$2,092,731</b>	<b>\$2,145,934</b>	<b>\$8,813,241</b>
Southeast Mesa Shared-use Path	CP0198	2012 Park Bond	\$156,278	\$1,439,228	-	-	-	-	-	\$1,595,506
<b>Total For Southeast Mesa Shared-use Path</b>			<b>\$156,278</b>	<b>\$1,439,228</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,595,506</b>
Southeast Mesa Shared-Use Path; Guadalupe to Baseline	CP0734	Local Streets Sales Tax	-	\$10,500	\$1,620,845	-	-	-	-	\$1,631,345
<b>Total For Southeast Mesa Shared-Use Path; Guadalupe to Baseline</b>			<b>-</b>	<b>\$10,500</b>	<b>\$1,620,845</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,631,345</b>
Stadium Connector Shared-Use Path	CP0108	2012 Park Bond	\$1,230,105	\$2,258,119	-	-	-	-	-	\$3,488,224
<b>Total For Stadium Connector Shared-Use Path</b>			<b>\$1,230,105</b>	<b>\$2,258,119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,488,224</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Shared Use Paths

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Tempe Canal Shared-Use Path; University to Rio Salado	CP0735	2018 Street Bond	-	-	\$17,648	\$1,983,177	-	-	-	\$2,000,825
<b>Total For Tempe Canal Shared-Use Path; University to Rio Salado</b>			-	-	<b>\$17,648</b>	<b>\$1,983,177</b>	-	-	-	<b>\$2,000,825</b>
<b>Total for Shared Use Paths</b>			<b>\$1,474,985</b>	<b>\$5,494,297</b>	<b>\$5,582,563</b>	<b>\$8,372,689</b>	<b>\$15,963,655</b>	<b>\$2,092,731</b>	<b>\$4,957,716</b>	<b>\$43,938,636</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
10th Ave and Serrine Drainage	CP0558	2014 Water Bond	\$18,070	-	-	-	-	-	-	\$18,070
		Grants - Gen. Gov.	\$189,563	-	-	-	-	-	-	\$189,563
		Highway User Revenue Fund	-	\$697,620	-	-	-	-	-	\$697,620
		Local Streets Sales Tax	\$132,415	-	-	-	-	-	-	\$132,415
<b>Total For 10th Ave and Serrine Drainage</b>			<b>\$340,049</b>	<b>\$697,620</b>	-	-	-	-	-	<b>\$1,037,669</b>
2nd Avenue and Extension Drainage	CP0611	Grants - Gen. Gov.	\$250,000	\$250,000	-	-	-	-	-	\$500,000
		Local Streets Sales Tax	\$229,593	\$412,715	-	-	-	-	-	\$642,308
<b>Total For 2nd Avenue and Extension Drainage</b>			<b>\$479,593</b>	<b>\$662,715</b>	-	-	-	-	-	<b>\$1,142,308</b>
63rd and Broadway Drainage	CP0613	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Local Streets Sales Tax	\$65,103	\$389,380	-	-	-	-	-	\$454,483
<b>Total For 63rd and Broadway Drainage</b>			<b>\$65,103</b>	<b>\$639,380</b>	-	-	-	-	-	<b>\$704,483</b>
Firefly Avenue Drainage	CP0726	Environmental Compliance Fee	\$21,984	\$13,499	-	-	-	-	-	\$35,483
		Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$222,500	-	-	-	-	-	\$222,500

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Firefly Avenue Drainage</b>			<b>\$21,984</b>	<b>\$485,999</b>	-	-	-	-	-	<b>\$507,983</b>
Gilbert & Hackamore	CP0744	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$153,963	-	-	-	-	-	\$153,963
<b>Total For Gilbert &amp; Hackamore</b>			-	<b>\$403,963</b>	-	-	-	-	-	<b>\$403,963</b>
Horne Storm Drain System	CP0557	Future Street Bond	-	-	-	-	-	-	\$2,535,630	\$2,535,630
		Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$2,631,578	-	-	-	-	-	\$2,631,578
		Local Streets Sales Tax	\$1,630,389	\$181,437	-	-	-	-	-	\$1,811,826
<b>Total For Horne Storm Drain System</b>			<b>\$1,880,389</b>	<b>\$2,813,015</b>	-	-	-	-	-	<b>\$4,693,404</b>
Lazona & Broadway Drainage	CP0743	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$695,069	-	-	-	-	-	\$695,069
<b>Total For Lazona &amp; Broadway Drainage</b>			-	<b>\$945,069</b>	-	-	-	-	-	<b>\$945,069</b>
Lehi Area Drainage Master Plan	CP0567	2018 Street Bond	-	-	\$5,588,084	\$3,497,591	-	-	-	\$9,085,675
		Environmental Compliance Fee	\$107,068	\$262,500	-	-	-	-	-	\$369,568
		Highway User Revenue Fund	-	\$338,651	-	-	-	-	-	\$338,651

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Lehi Area Drainage Master Plan		Local Streets Sales Tax	-	\$172,725	-	-	-	-	-	\$172,725
<b>Total For Lehi Area Drainage Master Plan</b>			<b>\$107,068</b>	<b>\$773,876</b>	<b>\$5,588,084</b>	<b>\$3,497,591</b>	-	-	-	<b>\$9,966,619</b>
Maple & Main Drainage	CP0741	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$163,096	-	-	-	-	-	\$163,096
<b>Total For Maple &amp; Main Drainage</b>			-	<b>\$413,096</b>	-	-	-	-	-	<b>\$413,096</b>
Royal Palms Drainage	CP0556	Grants - Gen. Gov.	\$148,884	-	-	-	-	-	-	\$148,884
		Local Streets Sales Tax	\$113,766	\$169,079	-	-	-	-	-	\$282,845
<b>Total For Royal Palms Drainage</b>			<b>\$262,651</b>	<b>\$169,079</b>	-	-	-	-	-	<b>\$431,730</b>
Skyview Drainage	CP0745	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
		Highway User Revenue Fund	-	\$867,550	-	-	-	-	-	\$867,550
<b>Total For Skyview Drainage</b>			-	<b>\$1,117,550</b>	-	-	-	-	-	<b>\$1,117,550</b>
Sloan Park Drainage Structure	CP0576	Environmental Compliance Fee	\$19,804	\$389,781	-	-	-	-	-	\$409,585
<b>Total For Sloan Park Drainage Structure</b>			<b>\$19,804</b>	<b>\$389,781</b>	-	-	-	-	-	<b>\$409,585</b>
Solomon and Southern Drainage	CP0614	Grants - Gen. Gov.	\$201,691	\$250,000	-	-	-	-	-	\$451,691
		Local Streets Sales Tax	\$117,478	\$337,247	-	-	-	-	-	\$454,725
<b>Total For Solomon and Southern Drainage</b>			<b>\$319,168</b>	<b>\$587,247</b>	-	-	-	-	-	<b>\$906,415</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Storm Sewer

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Sossaman and Main Drainage Ditch	CP0790	Environmental Compliance Fee	\$9,416	\$272,487	-	-	-	-	-	\$281,903
<b>Total For Sossaman and Main Drainage Ditch</b>			<b>\$9,416</b>	<b>\$272,487</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$281,903</b>
Storm Drain Pump Stations	CP0491	2018 Street Bond	-	-	\$1,612,800	\$1,652,648	\$1,695,173	\$1,740,848	\$3,615,570	\$10,317,039
		Environmental Compliance Fee	-	\$2,714,376	-	-	-	-	-	\$2,714,376
<b>Total For Storm Drain Pump Stations</b>			<b>-</b>	<b>\$2,714,376</b>	<b>\$1,612,800</b>	<b>\$1,652,648</b>	<b>\$1,695,173</b>	<b>\$1,740,848</b>	<b>\$3,615,570</b>	<b>\$13,031,415</b>
Summer and Bates Drainage	CP0612	Grants - Gen. Gov.	-	-	\$256,000	-	-	-	-	\$256,000
		Highway User Revenue Fund	-	\$144,546	\$695,090	-	-	-	-	\$839,636
<b>Total For Summer and Bates Drainage</b>			<b>-</b>	<b>\$144,546</b>	<b>\$951,090</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,095,636</b>
<b>Total for Storm Sewer</b>			<b>\$3,505,225</b>	<b>\$13,229,799</b>	<b>\$8,151,974</b>	<b>\$5,150,239</b>	<b>\$1,695,173</b>	<b>\$1,740,848</b>	<b>\$6,151,200</b>	<b>\$39,624,458</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
1st Avenue Improvements	CP0279	2013 Street Bond	\$679,391	-	-	-	-	-	-	\$679,391
		2014 Electric Bond	\$687	-	-	-	-	-	-	\$687
		2014 Gas Bond	\$337	\$1,505,319	-	-	-	-	-	\$1,505,656
		2014 Wastewater Bond	-	\$225,361	-	-	-	-	-	\$225,361
		2014 Water Bond	\$1	\$1,074,749	-	-	-	-	-	\$1,074,750
		General Fund	\$108	-	-	-	-	-	-	\$108
		Local Streets Sales Tax	-	\$1,000,000	-	-	-	-	-	\$1,000,000
<b>Total For 1st Avenue Improvements</b>			<b>\$680,524</b>	<b>\$3,805,429</b>	-	-	-	-	<b>\$4,485,953</b>	
2013 Streets Cityshare	CN0003	2013 Street Bond	\$45,487	\$1,535,625	-	-	-	-	-	\$1,581,112
		Future Street Bond	-	-	-	-	-	-	\$5,415,162	\$5,415,162
<b>Total For 2013 Streets Cityshare</b>			<b>\$45,487</b>	<b>\$1,535,625</b>	-	-	-	-	<b>\$5,415,162</b>	<b>\$6,996,274</b>
Arterial Reconstruction	CP0439	2008 Street Bond	\$231,987	-	-	-	-	-	-	\$231,987
		2010 Gas Bond	\$16,414	-	\$512,000	-	-	-	-	\$528,414

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Arterial Reconstruction		2010 Water Bond	\$844,722	-	-	-	-	-	-	\$844,722
		2013 Street Bond	\$11,846,813	-	-	-	-	-	-	\$11,846,813
		2014 Water Bond	\$336,866	-	-	-	-	-	-	\$336,866
		2018 Street Bond	-	-	\$537,600	\$7,436,914	\$12,148,736	\$8,269,026	\$16,214,704	\$44,606,980
		2020 Water Bond	-	-	-	-	\$935,962	-	-	\$935,962
		Future Street Bond	-	-	-	-	-	-	\$13,179,705	\$13,179,705
		Local Streets Sales Tax	\$154,688	-	-	-	-	-	-	\$154,688
		Utility Replacement Extension and Renewal - WW	\$28,154	-	-	-	-	-	-	\$28,154
<b>Total For Arterial Reconstruction</b>			<b>\$13,459,644</b>	<b>-</b>	<b>\$1,049,600</b>	<b>\$7,436,914</b>	<b>\$13,084,698</b>	<b>\$8,269,026</b>	<b>\$29,394,409</b>	<b>\$72,694,291</b>
Bridge Safety Rehabilitation	CP0780	Local Streets Sales Tax	\$3,621	\$179,918	-	-	-	-	-	\$183,539
<b>Total For Bridge Safety Rehabilitation</b>			<b>\$3,621</b>	<b>\$179,918</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$183,539</b>
Broadway Road: Dobson Road to Country Club Drive	CP0029	2018 Street Bond	-	-	-	\$848,267	\$6,585,692	\$4,905,859	\$15,742,851	\$28,082,669
		2020 Electric Bond	-	-	-	-	\$72,103	\$678,196	-	\$750,299

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Broadway Road: Dobson Road to Country Club Drive		2020 Gas Bond	-	-	-	-	\$274,591	\$3,245,067	-	\$3,519,658
		2020 Water Bond	-	-	-	-	\$1,097,996	\$11,436,886	-	\$12,534,882
<b>Total For Broadway Road: Dobson Road to Country Club Drive</b>			-	-	-	<b>\$848,267</b>	<b>\$8,030,382</b>	<b>\$20,266,008</b>	<b>\$15,742,851</b>	<b>\$44,887,508</b>
Broadway Road Streetscape; Tempe City Limits to Gilbert Road	CP0710	2013 Street Bond	\$579	-	-	-	-	-	-	\$579
		Local Streets Sales Tax	\$102,991	\$1,326,597	-	-	-	-	-	\$1,429,588
<b>Total For Broadway Road Streetscape; Tempe City Limits to Gilbert Road</b>			<b>\$103,569</b>	<b>\$1,326,597</b>	-	-	-	-	-	<b>\$1,430,166</b>
Country Club and University Intersection	CP0028	2020 Gas Bond	-	-	-	-	\$33,716	\$346,250	-	\$379,966
		2020 Water Bond	-	-	-	-	\$96,951	\$1,005,598	-	\$1,102,549
		Future Street Bond	-	-	-	-	-	-	\$28,149,628	\$28,149,628
<b>Total For Country Club and University Intersection</b>			-	-	-	-	<b>\$130,667</b>	<b>\$1,351,848</b>	<b>\$28,149,628</b>	<b>\$29,632,143</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Country Club Underpass	CP0736	Local Streets Sales Tax	-	\$369,161	-	-	-	-	-	\$369,161
<b>Total For Country Club Underpass</b>			<b>-</b>	<b>\$369,161</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$369,161</b>
East Mesa Service Center Wash Rack	CP0348	Environmental Compliance Fee	\$32,872	\$493,500	-	-	-	-	-	\$526,372
<b>Total For East Mesa Service Center Wash Rack</b>			<b>\$32,872</b>	<b>\$493,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$526,372</b>
Eastside Improvements at Phx-Mesa Gateway Airport	CP0217	2013 Street Bond	-	-	\$3,017,936	\$2,013,147	-	-	-	\$5,031,083
<b>Total For Eastside Improvements at Phx-Mesa Gateway Airport</b>			<b>-</b>	<b>-</b>	<b>\$3,017,936</b>	<b>\$2,013,147</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,031,083</b>
Economic Development	CP0342	2014 Water Bond	-	-	\$723,968	\$741,856	\$760,947	-	-	\$2,226,771
		2018 Street Bond	-	-	\$2,048,000	\$3,147,900	\$2,152,600	\$3,315,900	\$2,266,800	\$12,931,200
		Future Street Bond	-	-	-	-	-	-	\$3,486,600	\$3,486,600
<b>Total For Economic Development</b>			<b>-</b>	<b>-</b>	<b>\$2,771,968</b>	<b>\$3,889,756</b>	<b>\$2,913,547</b>	<b>\$3,315,900</b>	<b>\$5,753,400</b>	<b>\$18,644,571</b>
Elliot Road Tech Corridor	CP0571	2013 Street Bond	\$253,336	\$4,636,250	-	-	-	-	-	\$4,889,586
		Grants - Gen. Gov.	-	\$1,325,130	-	-	-	-	-	\$1,325,130
		Local Streets Sales Tax	\$283,911	-	-	-	-	-	-	\$283,911
		Transportation	-	\$13,263,750	-	-	-	-	-	\$13,263,750
<b>Total For Elliot Road Tech Corridor</b>			<b>\$537,246</b>	<b>\$19,225,130</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$19,762,376</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Greenfield Road; Southern Avenue to University Drive	CP0057	2020 Water Bond	-	-	-	-	\$1,173,119	\$1,005,599	-	\$2,178,718
		Future Street Bond	-	-	-	-	-	-	\$9,540,976	\$9,540,976
<b>Total For Greenfield Road; Southern Avenue to University Drive</b>			-	-	-	-	<b>\$1,173,119</b>	<b>\$1,005,599</b>	<b>\$9,540,976</b>	<b>\$11,719,694</b>
MAG Projects Local Match	CP0109	Local Streets Sales Tax	-	\$416,850	\$426,854	\$437,402	\$448,657	\$460,745	-	\$2,190,508
<b>Total For MAG Projects Local Match</b>			-	<b>\$416,850</b>	<b>\$426,854</b>	<b>\$437,402</b>	<b>\$448,657</b>	<b>\$460,745</b>	-	<b>\$2,190,508</b>
Main Street Tree Revitalization	CP0668	Local Streets Sales Tax	\$11,245	\$238,193	\$161,280	\$137,721	-	-	-	\$548,439
<b>Total For Main Street Tree Revitalization</b>			<b>\$11,245</b>	<b>\$238,193</b>	<b>\$161,280</b>	<b>\$137,721</b>	-	-	-	<b>\$548,439</b>
McDowell Underpass Erosion	CP0776	Local Streets Sales Tax	-	\$926,665	-	-	-	-	-	\$926,665
<b>Total For McDowell Underpass Erosion</b>			-	<b>\$926,665</b>	-	-	-	-	-	<b>\$926,665</b>
Mesa Drive Phase II	C01400	2010 Electric Bond	\$195,746	-	-	-	-	-	-	\$195,746
		2010 Gas Bond	\$4,549	\$468,266	-	-	-	-	-	\$472,815
		2010 Water Bond	\$65,830	\$1,706,250	-	-	-	-	-	\$1,772,080
		2013 Street Bond	\$1,057,984	\$10,951,500	-	-	-	-	-	\$12,009,484
		2014 Electric Bond	-	\$3,930,483	-	-	-	-	-	\$3,930,483
		2014 Wastewater Bond	-	\$288,829	-	-	-	-	-	\$288,829

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Mesa Drive Phase II</b>			<b>\$1,324,109</b>	<b>\$17,345,328</b>	-	-	-	-	-	<b>\$18,669,437</b>
Pecos Road: Ellsworth Road to Meridian Road	C06040	2010 Gas Bond	-	-	-	\$238,942	-	-	-	\$238,942
		2020 Gas Bond	-	-	-	-	\$3,011,299	-	-	\$3,011,299
		Future Street Bond	-	-	-	-	-	-	\$28,572,677	\$28,572,677
<b>Total For Pecos Road: Ellsworth Road to Meridian Road</b>			-	-	-	<b>\$238,942</b>	<b>\$3,011,299</b>	-	<b>\$28,572,677</b>	<b>\$31,822,918</b>
Railroad Quiet Zone	CP0426	Local Streets Sales Tax	\$497,164	\$261,948	-	-	-	-	-	\$759,112
<b>Total For Railroad Quiet Zone</b>			<b>\$497,164</b>	<b>\$261,948</b>	-	-	-	-	-	<b>\$759,112</b>
Rail Road ROW Improvements	CP0660	Local Streets Sales Tax	\$5,119	\$73,949	-	-	-	-	-	\$79,068
<b>Total For Rail Road ROW Improvements</b>			<b>\$5,119</b>	<b>\$73,949</b>	-	-	-	-	-	<b>\$79,068</b>
Roosevelt Road; Broadway Road to 8th Avenue	CP0528	2014 Wastewater Bond	\$32,346	-	-	-	-	-	-	\$32,346
		Local Streets Sales Tax	\$103,221	\$858,759	-	-	-	-	-	\$961,980
<b>Total For Roosevelt Road; Broadway Road to 8th Avenue</b>			<b>\$135,567</b>	<b>\$858,759</b>	-	-	-	-	-	<b>\$994,326</b>
Rusted Streetlight Pole Replacement	CP0432	2013 Street Bond	\$2,146,965	-	-	-	-	-	-	\$2,146,965

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Rusted Streetlight Pole Replacement		2018 Street Bond	-	-	\$1,228,800	\$1,259,160	\$1,291,560	\$1,326,360	\$1,360,080	\$6,465,960
		Future Street Bond	-	-	-	-	-	-	\$4,289,280	\$4,289,280
		Local Streets Sales Tax	\$934,912	\$1,654,650	-	-	-	-	-	\$2,589,562
<b>Total For Rusted Streetlight Pole Replacement</b>			<b>\$3,081,877</b>	<b>\$1,654,650</b>	<b>\$1,228,800</b>	<b>\$1,259,160</b>	<b>\$1,291,560</b>	<b>\$1,326,360</b>	<b>\$5,649,360</b>	<b>\$15,491,767</b>
Signal Butte Road; Williams Field to Pecos	CP0729	2018 Street Bond	-	-	-	-	\$166,697	\$3,261,992	-	\$3,428,689
<b>Total For Signal Butte Road; Williams Field to Pecos</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$166,697</b>	<b>\$3,261,992</b>	<b>-</b>	<b>\$3,428,689</b>
Southern Avenue and Country Club Drive Intersection	C01434	2010 Gas Bond	-	-	\$73,681	\$1,803,104	-	-	-	\$1,876,785
		2014 Electric Bond	-	-	\$27,441	\$347,988	-	-	-	\$375,429
		2014 Wastewater Bond	-	-	\$59,699	\$567,976	-	-	-	\$627,675
		2014 Water Bond	-	-	\$2,535,462	-	-	-	-	\$2,535,462
		2018 Street Bond	-	-	\$376,320	\$2,704,834	-	-	-	\$3,081,154
<b>Total For Southern Avenue and Country Club Drive Intersection</b>			<b>-</b>	<b>-</b>	<b>\$3,072,603</b>	<b>\$5,423,902</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$8,496,505</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Southern Avenue and Stapley Drive Intersection	C01814	2006 Wastewater Bond	\$54	-	-	-	-	-	-	\$54
		2008 Street Bond	\$1,179	-	-	-	-	-	-	\$1,179
		2010 Gas Bond	\$127	-	\$88,532	\$2,064,571	-	-	-	\$2,153,230
		2010 Water Bond	\$20	-	-	-	-	-	-	\$20
		2014 Water Bond	-	-	\$215,127	-	-	-	-	\$215,127
		2018 Street Bond	-	-	\$360,192	\$3,947,624	-	-	-	\$4,307,816
		Grants - Gen. Gov.	-	-	-	\$4,627,413	-	-	-	\$4,627,413
		Local Streets Sales Tax	-	\$821,370	-	-	-	-	-	\$821,370
<b>Total For Southern Avenue and Stapley Drive Intersection</b>			<b>\$1,379</b>	<b>\$821,370</b>	<b>\$663,851</b>	<b>\$10,639,608</b>	-	-	<b>\$12,126,208</b>	
Southern Avenue; Gilbert Road to Consolidated Canal	CP0061	2014 Wastewater Bond	-	-	-	\$24,559	\$228,982	-	-	\$253,541

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Southern Avenue; Gilbert Road to Consolidated Canal		2014 Water Bond	-	-	-	\$154,247	-	-	-	\$154,247
		2020 Water Bond	-	-	-	-	\$1,597,982	-	-	\$1,597,982
		Transportation	-	-	-	\$1,166,304	\$6,137,856	-	-	\$7,304,160
<b>Total For Southern Avenue; Gilbert Road to Consolidated Canal</b>			-	-	-	<b>\$1,345,110</b>	<b>\$7,964,820</b>	-	-	<b>\$9,309,930</b>
Southern Avenue; Greenfield to Higley	CP0700	2010 Gas Bond	-	\$546,597	-	-	-	-	-	\$546,597
		2013 Street Bond	\$207,340	-	-	-	-	-	-	\$207,340
		Transportation	-	\$5,545,085	-	-	-	-	-	\$5,545,085
<b>Total For Southern Avenue; Greenfield to Higley</b>			<b>\$207,340</b>	<b>\$6,091,682</b>	-	-	-	-	-	<b>\$6,299,022</b>
Stapley and Broadway Intersection	CP0666	2018 Street Bond	-	-	-	-	\$433,336	\$1,643,219	\$5,154,677	\$7,231,232
<b>Total For Stapley and Broadway Intersection</b>			-	-	-	-	<b>\$433,336</b>	<b>\$1,643,219</b>	<b>\$5,154,677</b>	<b>\$7,231,232</b>
Stapley Drive and University Drive Intersection	C05041	2010 Gas Bond	-	-	-	\$18,659	-	-	-	\$18,659
		2014 Water Bond	-	-	-	\$94,520	-	-	-	\$94,520

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Stapley Drive and University Drive Intersection		2018 Street Bond	-	-	-	\$245,289	\$3,560,793	-	-	\$3,806,082
		2020 Gas Bond	-	-	-	-	\$462,700	-	-	\$462,700
		2020 Water Bond	-	-	-	-	\$969,912	-	-	\$969,912
<b>Total For Stapley Drive and University Drive Intersection</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>\$358,468</b>	<b>\$4,993,405</b>	<b>-</b>	<b>-</b>	<b>\$5,351,873</b>
Streetlight Spot Improvement	CP0294	2013 Street Bond	\$108,991	\$250,000	-	-	-	-	-	\$358,991
		Future Street Bond	-	-	-	-	-	-	\$830,244	\$830,244
		Local Streets Sales Tax	-	-	\$361,267	\$370,193	\$379,719	\$389,950	\$399,863	\$1,900,992
<b>Total For Streetlight Spot Improvement</b>			<b>\$108,991</b>	<b>\$250,000</b>	<b>\$361,267</b>	<b>\$370,193</b>	<b>\$379,719</b>	<b>\$389,950</b>	<b>\$1,230,107</b>	<b>\$3,090,227</b>
Transportation Neighborhood Improvement Projects	CP0532	Local Streets Sales Tax	\$31,949	\$684,402	\$444,058	\$455,031	\$466,740	\$479,315	\$2,041,540	\$4,603,035
		<b>Total For Transportation Neighborhood Improvement Projects</b>			<b>\$31,949</b>	<b>\$684,402</b>	<b>\$444,058</b>	<b>\$455,031</b>	<b>\$466,740</b>	<b>\$479,315</b>
University & Ellsworth Intersection	C10164	2020 Water Bond	-	-	-	-	-	\$132,752	\$1,361,823	\$1,494,575
		Future Street Bond	-	-	-	-	-	-	\$12,567,753	\$12,567,753

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Streets

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For University &amp; Ellsworth Intersection</b>			-	-	-	-	-	\$132,752	\$13,929,576	\$14,062,328
Val Vista Drive; Baseline Road to US 60	CP0105	2010 Gas Bond	\$874	\$319,000	-	-	-	-	-	\$319,874
		2013 Street Bond	\$90,074	-	-	-	-	-	-	\$90,074
<b>Total For Val Vista Drive; Baseline Road to US 60</b>			<b>\$90,948</b>	<b>\$319,000</b>	-	-	-	-	-	<b>\$409,948</b>
Val Vista Drive; Pueblo to US 60	CP0062	2010 Gas Bond	-	-	\$117,374	\$2,007,411	-	-	-	\$2,124,785
		2014 Water Bond	-	-	\$176,795	\$1,829,747	-	-	-	\$2,006,542
		Transportation	-	-	\$1,864,154	\$5,905,568	-	-	-	\$7,769,722
<b>Total For Val Vista Drive; Pueblo to US 60</b>			-	-	<b>\$2,158,323</b>	<b>\$9,742,726</b>	-	-	-	<b>\$11,901,049</b>
<b>Total for Streets</b>			<b>\$20,358,654</b>	<b>\$56,878,156</b>	<b>\$15,356,540</b>	<b>\$44,596,347</b>	<b>\$44,488,646</b>	<b>\$41,902,714</b>	<b>\$150,574,363</b>	<b>\$374,155,420</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Transit

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Gilbert Road Light Rail Extension	CP0296	Transit Fund	\$7,253,532	\$18,916,126	\$10,083,806	-	-	-	-	\$36,253,464
<b>Total For Gilbert Road Light Rail Extension</b>			<b>\$7,253,532</b>	<b>\$18,916,126</b>	<b>\$10,083,806</b>	-	-	-	-	<b>\$36,253,464</b>
<b>Total for Transit</b>			<b>\$7,253,532</b>	<b>\$18,916,126</b>	<b>\$10,083,806</b>	-	-	-	-	<b>\$36,253,464</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### District Cooling

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Chiller Redundancy Connections	CP0724	Capital - General Fund	-	\$40,000	-	-	-	-	-	\$40,000
<b>Total For Chiller Redundancy Connections</b>			-	<b>\$40,000</b>	-	-	-	-	-	<b>\$40,000</b>
<b>Total for District Cooling</b>			-	<b>\$40,000</b>	-	-	-	-	-	<b>\$40,000</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

## Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Electric Distribution - Overhead	C09019	2010 Electric Bond	\$887,876	-	-	-	-	-	-	\$887,876
		2014 Electric Bond	-	\$568,037	\$571,119	\$412,013	-	-	-	\$1,551,169
		2020 Electric Bond	-	-	-	-	\$622,719	\$639,498	\$1,328,173	\$2,590,390
		Future Electric Bond	-	-	-	-	-	-	\$1,395,637	\$1,395,637
<b>Total For Electric Distribution - Overhead</b>			<b>\$887,876</b>	<b>\$568,037</b>	<b>\$571,119</b>	<b>\$412,013</b>	<b>\$622,719</b>	<b>\$639,498</b>	<b>\$2,723,810</b>	<b>\$6,425,072</b>
Electric Distribution - Underground	C09020	2010 Electric Bond	\$122,576	-	-	-	-	-	-	\$122,576
		2014 Electric Bond	-	\$630,039	\$530,705	\$544,500	-	-	-	\$1,705,244
		2020 Electric Bond	-	-	-	-	\$2,565,136	\$2,634,251	\$5,406,166	\$10,605,553
		Future Electric Bond	-	-	-	-	-	-	\$5,680,762	\$5,680,762
<b>Total For Electric Distribution - Underground</b>			<b>\$122,576</b>	<b>\$630,039</b>	<b>\$530,705</b>	<b>\$544,500</b>	<b>\$2,565,136</b>	<b>\$2,634,251</b>	<b>\$11,086,928</b>	<b>\$18,114,135</b>
Electric Generation	CP0082	2014 Electric Bond	-	\$282,783	\$289,570	\$296,724	-	-	-	\$869,077
		2020 Electric Bond	-	-	-	-	\$304,359	\$312,560	\$649,157	\$1,266,076
		Future Electric Bond	-	-	-	-	-	-	\$682,129	\$682,129
<b>Total For Electric Generation</b>			<b>-</b>	<b>\$282,783</b>	<b>\$289,570</b>	<b>\$296,724</b>	<b>\$304,359</b>	<b>\$312,560</b>	<b>\$1,331,286</b>	<b>\$2,817,282</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Electric Metering	C09024	2010 Electric Bond	\$50,273	-	-	-	-	-	-	\$50,273
		Utility Replacement Extension and Renewal - ELC	-	\$433,768	\$451,329	\$461,520	\$499,264	\$498,893	\$2,082,189	\$4,426,963
<b>Total For Electric Metering</b>			<b>\$50,273</b>	<b>\$433,768</b>	<b>\$451,329</b>	<b>\$461,520</b>	<b>\$499,264</b>	<b>\$498,893</b>	<b>\$2,082,189</b>	<b>\$4,477,236</b>
Electric New Services	C09023	2010 Electric Bond	\$8,792	-	-	-	-	-	-	\$8,792
		2014 Electric Bond	-	\$400,461	\$388,437	\$390,525	-	-	-	\$1,179,423
		2020 Electric Bond	-	-	-	-	\$1,217,435	\$1,250,238	\$2,596,621	\$5,064,294
		Future Electric Bond	-	-	-	-	-	-	\$2,728,512	\$2,728,512
<b>Total For Electric New Services</b>			<b>\$8,792</b>	<b>\$400,461</b>	<b>\$388,437</b>	<b>\$390,525</b>	<b>\$1,217,435</b>	<b>\$1,250,238</b>	<b>\$5,325,133</b>	<b>\$8,981,021</b>
Electric Smart Grid	CP0081	2014 Electric Bond	-	\$265,816	\$272,196	\$118,690	-	-	-	\$656,702
		2020 Electric Bond	-	-	-	-	\$121,744	-	-	\$121,744
<b>Total For Electric Smart Grid</b>			<b>-</b>	<b>\$265,816</b>	<b>\$272,196</b>	<b>\$118,690</b>	<b>\$121,744</b>	<b>-</b>	<b>-</b>	<b>\$778,446</b>
Electric Substation Improvements	C09022	2010 Electric Bond	\$12,372	-	-	-	-	-	-	\$12,372
		2014 Electric Bond	-	\$1,329,078	\$28,957	-	-	-	-	\$1,358,035
<b>Total For Electric Substation Improvements</b>			<b>\$12,372</b>	<b>\$1,329,078</b>	<b>\$28,957</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,370,407</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Electric

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Electric System Retirements	CP0193	Electric	\$3,080	\$113,406	\$115,827	\$118,690	\$121,744	\$125,024	\$532,513	\$1,130,284
<b>Total For Electric System Retirements</b>			<b>\$3,080</b>	<b>\$113,406</b>	<b>\$115,827</b>	<b>\$118,690</b>	<b>\$121,744</b>	<b>\$125,024</b>	<b>\$532,513</b>	<b>\$1,130,284</b>
Electric Transmission	C09021	2014 Electric Bond	-	\$113,113	-	-	-	-	-	\$113,113
<b>Total For Electric Transmission</b>			<b>-</b>	<b>\$113,113</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$113,113</b>
Substation to Park Conversion	CP0522	2014 Electric Bond	\$139	-	-	-	-	-	-	\$139
		Electric	\$12,374	\$204,342	-	-	-	-	-	\$216,716
<b>Total For Substation to Park Conversion</b>			<b>\$12,514</b>	<b>\$204,342</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$216,856</b>
<b>Total for Electric</b>			<b>\$1,097,483</b>	<b>\$4,340,843</b>	<b>\$2,648,140</b>	<b>\$2,342,662</b>	<b>\$5,452,401</b>	<b>\$5,460,464</b>	<b>\$23,081,859</b>	<b>\$44,423,852</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Aging Utility Infrastructure Replacement	C04046	2020 Gas Bond	-	-	-	-	\$1,887,429	-	-	\$1,887,429
<b>Total For Aging Utility Infrastructure Replacement</b>			-	-	-	-	<b>\$1,887,429</b>	-	-	<b>\$1,887,429</b>
Country Club Drive and Brown Road Intersection	CP0060	2020 Gas Bond	-	-	-	-	\$13,012	\$135,920	-	\$148,932
<b>Total For Country Club Drive and Brown Road Intersection</b>			-	-	-	-	<b>\$13,012</b>	<b>\$135,920</b>	-	<b>\$148,932</b>
Gas Line Retirements	C01454	Natural Gas	\$171	\$110,110	\$112,752	\$115,538	\$118,512	\$121,705	\$518,375	\$1,097,163
<b>Total For Gas Line Retirements</b>			<b>\$171</b>	<b>\$110,110</b>	<b>\$112,752</b>	<b>\$115,538</b>	<b>\$118,512</b>	<b>\$121,705</b>	<b>\$518,375</b>	<b>\$1,097,163</b>
Gas Main Replacements - Magma Service Area	CP0153	2014 Gas Bond	-	\$509,873	\$556,435	\$607,250	-	-	-	\$1,673,558
		2020 Gas Bond	-	-	-	-	\$664,541	\$729,489	\$1,671,171	\$3,065,201
		Future Gas Bond	-	-	-	-	-	-	\$1,998,846	\$1,998,846
<b>Total For Gas Main Replacements - Magma Service Area</b>			-	<b>\$509,873</b>	<b>\$556,435</b>	<b>\$607,250</b>	<b>\$664,541</b>	<b>\$729,489</b>	<b>\$3,670,017</b>	<b>\$6,737,605</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Gas System: Aging Infrastructure Replacement	CP0155	2010 Gas Bond	\$87,033	-	-	-	-	-	-	\$87,033
		2014 Gas Bond	-	\$1,965,203	\$2,066,895	\$1,945,838	-	-	-	\$5,977,936
		2020 Gas Bond	-	-	-	-	\$3,519,152	\$3,562,003	\$7,711,438	\$14,792,593
		Future Gas Bond	-	-	-	-	-	-	\$8,383,039	\$8,383,039
<b>Total For Gas System: Aging Infrastructure Replacement</b>			<b>\$87,033</b>	<b>\$1,965,203</b>	<b>\$2,066,895</b>	<b>\$1,945,838</b>	<b>\$3,519,152</b>	<b>\$3,562,003</b>	<b>\$16,094,477</b>	<b>\$29,240,601</b>
McKellips Road Gas Line; Lindsay to Val Vista	C10374	2020 Gas Bond	-	-	-	-	-	\$120,043	\$1,464,636	\$1,584,679
<b>Total For McKellips Road Gas Line; Lindsay to Val Vista</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$120,043</b>	<b>\$1,464,636</b>	<b>\$1,584,679</b>
McKellips Road Natural Gas Line; Country Club to Loop 202	CP0221	2020 Gas Bond	-	-	-	-	\$27,703	\$335,691	-	\$363,394
<b>Total For McKellips Road Natural Gas Line; Country Club to Loop 202</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$27,703</b>	<b>\$335,691</b>	<b>-</b>	<b>\$363,394</b>
Mesa Drive: Main to University Drive	C10561	2014 Gas Bond	-	\$410,424	-	-	-	-	-	\$410,424
		2014 Wastewater Bond	-	\$239,423	-	-	-	-	-	\$239,423
<b>Total For Mesa Drive: Main to University Drive</b>			<b>-</b>	<b>\$649,847</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$649,847</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
SCADA System for the Natural Gas Distribution System	C01886	2010 Gas Bond	\$355,408	-	-	-	-	-	-	\$355,408
		2014 Gas Bond	\$126,093	\$132,132	\$135,303	-	-	-	-	\$393,528
<b>Total For SCADA System for the Natural Gas Distribution System</b>			<b>\$481,501</b>	<b>\$132,132</b>	<b>\$135,303</b>	-	-	-	-	<b>\$748,936</b>
Stapley Road Utility Line; University to McKellips	CP0219	2020 Gas Bond	-	-	-	-	\$92,568	\$2,199,927	-	\$2,292,495
<b>Total For Stapley Road Utility Line; University to McKellips</b>			-	-	-	-	<b>\$92,568</b>	<b>\$2,199,927</b>	-	<b>\$2,292,495</b>
University Drive Utility Line; Alma School to Country Club	CP0220	2010 Gas Bond	-	-	-	\$33,855	-	-	-	\$33,855
		2020 Gas Bond	-	-	-	-	\$853,706	-	-	\$853,706
<b>Total For University Drive Utility Line; Alma School to Country Club</b>			-	-	-	<b>\$33,855</b>	<b>\$853,706</b>	-	-	<b>\$887,561</b>
Utility Line Replacement in Quarter Section 36B	C10386	2020 Gas Bond	-	-	-	-	\$36,605	\$632,449	-	\$669,054
<b>Total For Utility Line Replacement in Quarter Section 36B</b>			-	-	-	-	<b>\$36,605</b>	<b>\$632,449</b>	-	<b>\$669,054</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Utility Line Replacement in Quarter Sections 12B & 12D	C10584	2010 Gas Bond	-	-	-	\$274,952	-	-	-	\$274,952
		2020 Gas Bond	-	-	-	-	\$4,962,882	-	-	\$4,962,882
<b>Total For Utility Line Replacement in Quarter Sections 12B &amp; 12D</b>			-	-	-	<b>\$274,952</b>	<b>\$4,962,882</b>	-	-	<b>\$5,237,834</b>
Utility Line Replacement in Quarter Sections 14A & 14C	C10585	2010 Gas Bond	-	-	-	\$376,000	-	-	-	\$376,000
		2020 Gas Bond	-	-	-	-	\$5,974,577	-	-	\$5,974,577
<b>Total For Utility Line Replacement in Quarter Sections 14A &amp; 14C</b>			-	-	-	<b>\$376,000</b>	<b>\$5,974,577</b>	-	-	<b>\$6,350,577</b>
Utility Line Replacement in Quarter Sections 20A & 20B	C10381	2020 Gas Bond	-	-	-	-	\$1,314,073	-	-	\$1,314,073
<b>Total For Utility Line Replacement in Quarter Sections 20A &amp; 20B</b>			-	-	-	-	<b>\$1,314,073</b>	-	-	<b>\$1,314,073</b>
Utility Line Replacement in Quarter Sections 29A, 29B, & 29D	C10384	2010 Gas Bond	-	\$431,414	-	-	-	-	-	\$431,414

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Aging Infrastructure

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Utility Line Replacement in Quarter Sections 29A, 29B, &amp; 29D</b>			-	\$431,414	-	-	-	-	-	\$431,414
Utility Line Replacement Quarter Section 21D, Clark, Pepper	C10382	2020 Gas Bond	-	-	-	-	\$889,284	-	-	\$889,284
<b>Total For Utility Line Replacement Quarter Section 21D, Clark, Pepper</b>			-	-	-	-	\$889,284	-	-	\$889,284
Utility Line Replacement Quarter Sections 13C, 21A, & 20D	C10380	2010 Gas Bond	-	\$1,325,746	-	-	-	-	-	\$1,325,746
<b>Total For Utility Line Replacement Quarter Sections 13C, 21A, &amp; 20D</b>			-	\$1,325,746	-	-	-	-	-	\$1,325,746
Utility Line Replacement: Rio Salado Parkway	C10385	2010 Gas Bond	-	-	-	\$5,401	-	-	-	\$5,401
		2020 Gas Bond	-	-	-	-	\$71,564	-	-	\$71,564
<b>Total For Utility Line Replacement: Rio Salado Parkway</b>			-	-	-	\$5,401	\$71,564	-	-	\$76,965
Utility Main Replacements	CP0023	2020 Gas Bond	-	-	-	-	\$351,624	-	-	\$351,624
<b>Total For Utility Main Replacements</b>			-	-	-	-	\$351,624	-	-	\$351,624
Warner Road: Power to Sossaman	C10562	2020 Gas Bond	-	-	-	-	\$176,842	\$2,053,113	-	\$2,229,955
		2020 Water Bond	-	-	-	-	\$96,951	\$1,005,598	-	\$1,102,549

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**2018 - 2022 Capital Improvement Program**

Program Summary - Capital Expenses

**Natural Gas Aging Infrastructure**

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Warner Road: Power to Sossaman</b>			-	-	-	-	\$273,793	\$3,058,711	-	\$3,332,504
<b>Total for Natural Gas Aging Infrastructure</b>			\$568,705	\$5,124,325	\$2,871,385	\$3,358,834	\$21,051,025	\$10,895,938	\$21,747,505	\$65,617,717

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas Growth

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
EVIT CNG Fueling Station	CP0677	2020 Gas Bond	-	-	-	-	\$2,370,228	-	-	\$2,370,228
<b>Total For EVIT CNG Fueling Station</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,370,228</b>	<b>-</b>	<b>-</b>	<b>\$2,370,228</b>
Gas Meters: New and Replacement	CP0156	2010 Gas Bond	\$194,715	-	-	-	-	-	-	\$194,715
		2014 Gas Bond	-	\$384,827	\$422,185	\$430,802	-	-	-	\$1,237,814
		2020 Gas Bond	-	-	-	-	\$467,034	\$466,160	\$968,170	\$1,901,364
		Future Gas Bond	-	-	-	-	-	-	\$1,017,345	\$1,017,345
		Utility Replacement Extension and Renewal - GAS	-	\$384,827	\$422,185	\$430,802	\$467,034	\$466,160	\$1,985,515	\$4,156,523
<b>Total For Gas Meters: New and Replacement</b>			<b>\$194,715</b>	<b>\$769,654</b>	<b>\$844,370</b>	<b>\$861,604</b>	<b>\$934,068</b>	<b>\$932,320</b>	<b>\$3,971,030</b>	<b>\$8,507,761</b>
Gas System: New Mains	CP0152	2010 Gas Bond	\$117,750	-	-	-	-	-	-	\$117,750
		2014 Gas Bond	-	\$2,578,060	\$2,822,668	\$3,181,453	-	-	-	\$8,582,181
		2020 Gas Bond	-	-	-	-	\$4,446,863	\$4,795,015	\$10,721,415	\$19,963,293
		Future Gas Bond	-	-	-	-	-	-	\$12,396,453	\$12,396,453
<b>Total For Gas System: New Mains</b>			<b>\$117,750</b>	<b>\$2,578,060</b>	<b>\$2,822,668</b>	<b>\$3,181,453</b>	<b>\$4,446,863</b>	<b>\$4,795,015</b>	<b>\$23,117,868</b>	<b>\$41,059,677</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Natural Gas Growth

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Gas System: New Services	CP0151	2010 Gas Bond	\$7,474	-	-	-	-	-	-	\$7,474
		2014 Gas Bond	-	\$2,333,767	\$2,603,977	\$2,801,731	-	-	-	\$7,739,475
		2020 Gas Bond	-	-	-	-	\$3,017,514	\$3,253,757	\$7,275,242	\$13,546,513
		Future Gas Bond	-	-	-	-	-	-	\$8,408,513	\$8,408,513
<b>Total For Gas System: New Services</b>			<b>\$7,474</b>	<b>\$2,333,767</b>	<b>\$2,603,977</b>	<b>\$2,801,731</b>	<b>\$3,017,514</b>	<b>\$3,253,757</b>	<b>\$15,683,755</b>	<b>\$29,701,975</b>
High Pressure Gas Main Installations	CP0154	2010 Gas Bond	\$4,669	-	-	-	-	-	-	\$4,669
		2014 Gas Bond	-	\$738,712	\$794,261	\$854,580	-	-	-	\$2,387,553
		2020 Gas Bond	-	-	-	-	\$920,399	\$992,457	\$2,219,086	\$4,131,942
		Future Gas Bond	-	-	-	-	-	-	\$2,567,847	\$2,567,847
<b>Total For High Pressure Gas Main Installations</b>			<b>\$4,669</b>	<b>\$738,712</b>	<b>\$794,261</b>	<b>\$854,580</b>	<b>\$920,399</b>	<b>\$992,457</b>	<b>\$4,786,933</b>	<b>\$9,092,011</b>
Higley Regulator Station; McDowell to Thomas	CP0181	2014 Gas Bond	\$1,122	-	-	\$1,685,213	-	-	-	\$1,686,335
<b>Total For Higley Regulator Station; McDowell to Thomas</b>			<b>\$1,122</b>	<b>-</b>	<b>-</b>	<b>\$1,685,213</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,686,335</b>
Magma Utility Service Center	CP0071	2020 Gas Bond	-	-	-	-	\$533,301	-	-	\$533,301
<b>Total For Magma Utility Service Center</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$533,301</b>	<b>-</b>	<b>-</b>	<b>\$533,301</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Natural Gas Growth

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Total for Natural Gas Growth			\$325,730	\$6,420,193	\$7,065,276	\$9,384,581	\$12,222,373	\$9,973,549	\$47,559,586	\$92,951,288

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Natural Gas System Reinforcement

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Regulator Station Security	C10388	2010 Gas Bond	\$5,835	-	-	-	-	-	-	\$5,835
		2014 Gas Bond	-	\$110,110	\$61,897	\$64,518	-	-	-	\$236,525
		2020 Gas Bond	-	-	-	-	\$67,316	\$70,319	\$149,850	\$287,485
		Future Gas Bond	-	-	-	-	-	-	\$162,958	\$162,958
<b>Total For Regulator Station Security</b>			<b>\$5,835</b>	<b>\$110,110</b>	<b>\$61,897</b>	<b>\$64,518</b>	<b>\$67,316</b>	<b>\$70,319</b>	<b>\$312,808</b>	<b>\$692,803</b>
<b>Total for Natural Gas System Reinforcement</b>			<b>\$5,835</b>	<b>\$110,110</b>	<b>\$61,897</b>	<b>\$64,518</b>	<b>\$67,316</b>	<b>\$70,319</b>	<b>\$312,808</b>	<b>\$692,803</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Contractual Obligations

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
91st Avenue Wastewater Treatment Plant	CN0027	2014 Wastewater Bond	\$2,990,442	\$4,009,846	\$3,984,016	\$4,433,042	-	-	-	\$15,417,346
		2020 Wastewater Bond	-	-	-	-	\$5,758,205	\$5,913,355	\$18,653,845	\$30,325,405
<b>Total For 91st Avenue Wastewater Treatment Plant</b>			<b>\$2,990,442</b>	<b>\$4,009,846</b>	<b>\$3,984,016</b>	<b>\$4,433,042</b>	<b>\$5,758,205</b>	<b>\$5,913,355</b>	<b>\$18,653,845</b>	<b>\$45,742,751</b>
<b>Total for Wastewater Contractual Obligations</b>			<b>\$2,990,442</b>	<b>\$4,009,846</b>	<b>\$3,984,016</b>	<b>\$4,433,042</b>	<b>\$5,758,205</b>	<b>\$5,913,355</b>	<b>\$18,653,845</b>	<b>\$45,742,751</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Customer Demand - Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
NEW LIFT STATIONS	CP0617	2020 Wastewater Bond	-	-	-	-	\$1,259,598	\$6,665,912	\$10,794,081	\$18,719,591
<b>Total For NEW LIFT STATIONS</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,259,598</b>	<b>\$6,665,912</b>	<b>\$10,794,081</b>	<b>\$18,719,591</b>
NEW SEWER LINES - OTHER AREAS	CP0619	2020 Wastewater Bond	-	-	-	-	\$2,761,465	\$2,425,888	\$2,098,341	\$7,285,694
<b>Total For NEW SEWER LINES - OTHER AREAS</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,761,465</b>	<b>\$2,425,888</b>	<b>\$2,098,341</b>	<b>\$7,285,694</b>
SEWER LINE EXTENSIONS TO UNSEWERED AREAS	CP0624	2014 Wastewater Bond	\$888,631	-	-	-	-	-	-	\$888,631
		2020 Wastewater Bond	-	-	-	-	-	\$1,289,980	\$3,210,171	\$4,500,151
		Future Wastewater Bond	-	-	-	-	-	-	\$631,513	\$631,513
<b>Total For SEWER LINE EXTENSIONS TO UNSEWERED AREAS</b>			<b>\$888,631</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,289,980</b>	<b>\$3,841,684</b>	<b>\$6,020,295</b>
<b>Total for Wastewater Customer Demand - Citywide</b>			<b>\$1,080,561</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,021,063</b>	<b>\$10,967,802</b>	<b>\$17,951,218</b>	<b>\$34,020,644</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Wastewater Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Greenfield Water Reclamation Plant Expansion	CP0067	Capital Programs	\$9,847,660	-	-	-	-	-	-	\$9,847,660
		Greenfield WRP Joint Venture	-	\$46,297,067	\$96,793,422	\$48,715,598	\$2,991,054	-	-	\$194,797,141
<b>Total For Greenfield Water Reclamation Plant Expansion</b>			<b>\$9,847,660</b>	<b>\$46,297,067</b>	<b>\$96,793,422</b>	<b>\$48,715,598</b>	<b>\$2,991,054</b>	-	-	<b>\$204,644,801</b>
Greenfield Water Reclamation Plant Expansion - Mesa Share	CN0015	2010 Wastewater Bond	\$766,840	-	-	-	-	-	-	\$766,840
		2014 Wastewater Bond	\$4,245,873	\$28,371,208	\$59,315,771	\$24,606,803	\$1,832,941	-	-	\$118,372,596
<b>Total For Greenfield Water Reclamation Plant Expansion - Mesa Share</b>			<b>\$5,012,713</b>	<b>\$28,371,208</b>	<b>\$59,315,771</b>	<b>\$24,606,803</b>	<b>\$1,832,941</b>	-	-	<b>\$119,139,436</b>
NEW SEWER LINES - Phx Mesa Gateway Development Plan	CP0620	2020 Wastewater Bond	-	-	-	-	\$2,964,206	\$342,745	-	\$3,306,951
<b>Total For NEW SEWER LINES - Phx Mesa Gateway Development Plan</b>			-	-	-	-	<b>\$2,964,206</b>	<b>\$342,745</b>	-	<b>\$3,306,951</b>
NEW SEWER LINES - Southeast Mesa	CP0618	2010 Wastewater Bond	-	\$245,065	\$2,170,615	\$991,925	-	-	-	\$3,407,605

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Wastewater Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
NEW SEWER LINES - Southeast Mesa		2020 Wastewater Bond	-	-	-	-	-	\$378,601	\$12,147,766	\$12,526,367
<b>Total For NEW SEWER LINES - Southeast Mesa</b>			-	<b>\$245,065</b>	<b>\$2,170,615</b>	<b>\$991,925</b>	-	<b>\$378,601</b>	<b>\$12,147,766</b>	<b>\$15,933,972</b>
WASTEWATER OVERSIZE & EXTENSIONS (City Share for Oversizing)	CP0475	2014 Wastewater Bond	-	\$159,000	\$162,816	-	-	-	-	\$321,816
		2020 Wastewater Bond	-	-	-	-	\$171,132	\$175,743	\$365,001	\$711,876
<b>Total For WASTEWATER OVERSIZE &amp; EXTENSIONS (City Share for Oversizing)</b>			-	<b>\$159,000</b>	<b>\$162,816</b>	-	<b>\$171,132</b>	<b>\$175,743</b>	<b>\$365,001</b>	<b>\$1,033,692</b>
Williams Field Road Sewer: Ellsworth to Mountain	C10425	2014 Wastewater Bond	-	\$1,375,231	-	-	-	-	-	\$1,375,231
<b>Total For Williams Field Road Sewer: Ellsworth to Mountain</b>			-	<b>\$1,375,231</b>	-	-	-	-	-	<b>\$1,375,231</b>
<b>Total for Wastewater Customer Demand - Southeast Mesa</b>			<b>\$14,860,373</b>	<b>\$76,447,571</b>	<b>\$158,442,624</b>	<b>\$74,314,326</b>	<b>\$7,959,333</b>	<b>\$897,089</b>	<b>\$12,512,767</b>	<b>\$345,434,083</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
DIVERSION STRUCTURE REHABILITATION	CP0598	2014 Wastewater Bond	-	-	-	\$123,460	-	-	-	\$123,460
		2020 Wastewater Bond	-	-	-	-	\$126,637	\$130,049	\$270,099	\$526,785
		Future Wastewater Bond	-	-	-	-	-	-	\$140,145	\$140,145
<b>Total For DIVERSION STRUCTURE REHABILITATION</b>			-	-	-	<b>\$123,460</b>	<b>\$126,637</b>	<b>\$130,049</b>	<b>\$410,244</b>	<b>\$790,390</b>
GWRP Headworks/Solids Upgrade	CP0263	Capital Programs	\$9,381	-	-	-	-	-	-	\$9,381
		Greenfield WRP Joint Venture	-	\$1,011,262	-	-	-	-	-	\$1,011,262
<b>Total For GWRP Headworks/Solids Upgrade</b>			<b>\$9,381</b>	<b>\$1,011,262</b>	-	-	-	-	-	<b>\$1,020,643</b>
GWRP Headworks/Solids Upgrade - CP0263 Mesa Share	CN0014	2006 Wastewater Bond	\$70	-	-	-	-	-	-	\$70
		2014 Wastewater Bond	\$3,647	\$37,731	-	-	-	-	-	\$41,378
<b>Total For GWRP Headworks/Solids Upgrade - CP0263 Mesa Share</b>			<b>\$3,717</b>	<b>\$37,731</b>	-	-	-	-	-	<b>\$41,448</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
GWRP MAJOR PLANT IMPROVEMENTS	CP0625	Greenfield WRP Joint Venture	-	-	-	-	-	\$5,242,991	\$5,649,983	\$10,892,974
<b>Total For GWRP MAJOR PLANT IMPROVEMENTS</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,242,991</b>	<b>\$5,649,983</b>	<b>\$10,892,974</b>
GWRP MAJOR PLANT IMPROVEMENTS - CP0625 Mesa Share	CN0035	2020 Wastewater Bond	-	-	-	-	-	\$3,311,987	-	\$3,311,987
		Future Wastewater Bond	-	-	-	-	-	-	\$3,569,084	\$3,569,084
<b>Total For GWRP MAJOR PLANT IMPROVEMENTS - CP0625 Mesa Share</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,311,987</b>	<b>\$3,569,084</b>	<b>\$6,881,071</b>
GWRP MISC PLANT IMPROVEMENTS	CP0626	Capital Programs	\$1,769,234	-	-	-	-	-	-	\$1,769,234
		Greenfield WRP Joint Venture	-	\$3,080,455	\$1,413,925	\$524,875	\$538,380	\$1,658,660	\$5,198,578	\$12,414,873
<b>Total For GWRP MISC PLANT IMPROVEMENTS</b>			<b>\$1,769,234</b>	<b>\$3,080,455</b>	<b>\$1,413,925</b>	<b>\$524,875</b>	<b>\$538,380</b>	<b>\$1,658,660</b>	<b>\$5,198,578</b>	<b>\$14,184,107</b>
GWRP MISC PLANT IMPROVEMENTS - CP0626 Mesa Share	CN0036	2014 Wastewater Bond	\$760,913	\$1,287,630	\$591,021	\$219,397	-	-	-	\$2,858,961

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
GWRP MISC PLANT IMPROVEMENTS - CP0626 Mesa Share		2020 Wastewater Bond	-	-	-	-	\$225,042	\$693,319	\$1,439,957	\$2,358,318
		Future Wastewater Bond	-	-	-	-	-	-	\$733,048	\$733,048
<b>Total For GWRP MISC PLANT IMPROVEMENTS - CP0626 Mesa Share</b>			<b>\$760,913</b>	<b>\$1,287,630</b>	<b>\$591,021</b>	<b>\$219,397</b>	<b>\$225,042</b>	<b>\$693,319</b>	<b>\$2,173,005</b>	<b>\$5,950,327</b>
GWRP Sludge Line Replacement	CP0590	Capital Programs	\$42,148	-	-	-	-	-	-	\$42,148
		Greenfield WRP Joint Venture	\$1,541	\$2,463,607	\$2,607,085	-	-	-	-	\$5,072,233
<b>Total For GWRP Sludge Line Replacement</b>			<b>\$43,689</b>	<b>\$2,463,607</b>	<b>\$2,607,085</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,114,381</b>
GWRP SLUDGE LINE REPLACEMENT - CP0590 Mesa Share	CN0026	2010 Wastewater Bond	\$17,784	\$1,029,788	\$1,089,761	-	-	-	-	\$2,137,333
<b>Total For GWRP SLUDGE LINE REPLACEMENT - CP0590 Mesa Share</b>			<b>\$17,784</b>	<b>\$1,029,788</b>	<b>\$1,089,761</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,137,333</b>
LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT	CP0599	2014 Wastewater Bond	-	\$28,620	\$29,307	\$30,032	-	-	-	\$87,959

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT		2020 Wastewater Bond	-	-	-	-	\$268,107	\$3,103,616	\$912,151	\$4,283,874
		Future Wastewater Bond	-	-	-	-	-	-	\$1,431,749	\$1,431,749
<b>Total For LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT</b>			<b>-</b>	<b>\$28,620</b>	<b>\$29,307</b>	<b>\$30,032</b>	<b>\$268,107</b>	<b>\$3,103,616</b>	<b>\$2,343,900</b>	<b>\$5,803,582</b>
MANHOLE REHABILITATION	CP0600	Utility Replacement Extension and Renewal - WW	\$8,068	\$1,458,581	\$1,493,587	\$1,530,489	\$1,569,870	\$1,612,170	\$5,085,634	\$12,758,399
<b>Total For MANHOLE REHABILITATION</b>			<b>\$8,068</b>	<b>\$1,458,581</b>	<b>\$1,493,587</b>	<b>\$1,530,489</b>	<b>\$1,569,870</b>	<b>\$1,612,170</b>	<b>\$5,085,634</b>	<b>\$12,758,399</b>
METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT	CP0616	2014 Wastewater Bond	-	\$14,310	\$14,653	\$15,015	-	-	-	\$43,978
		2020 Wastewater Bond	-	-	-	-	\$30,805	\$31,635	\$65,700	\$128,140
		Future Wastewater Bond	-	-	-	-	-	-	\$34,090	\$34,090

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT</b>			-	\$14,310	\$14,653	\$15,015	\$30,805	\$31,635	\$99,790	\$206,208
NWWRP MAJOR PLANT IMPROVEMENTS	CP0627	2014 Wastewater Bond	\$4,396	\$212,000	-	-	-	-	-	\$216,396
		2020 Wastewater Bond	-	-	-	-	\$1,363,520	\$2,584,401	-	\$3,947,921
		Future Wastewater Bond	-	-	-	-	-	-	\$2,802,897	\$2,802,897
<b>Total For NWWRP MAJOR PLANT IMPROVEMENTS</b>			\$4,396	\$212,000	-	-	\$1,363,520	\$2,584,401	\$2,802,897	\$6,967,214
NWWRP MISC PLANT IMPROVEMENTS	CP0628	2014 Wastewater Bond	\$33,653	\$2,422,602	\$640,084	\$729,641	-	-	-	\$3,825,980
		2020 Wastewater Bond	-	-	-	-	\$748,416	\$827,748	\$1,719,152	\$3,295,316
		Future Wastewater Bond	-	-	-	-	-	-	\$892,003	\$892,003
<b>Total For NWWRP MISC PLANT IMPROVEMENTS</b>			\$33,653	\$2,422,602	\$640,084	\$729,641	\$748,416	\$827,748	\$2,611,155	\$8,013,299
ODOR CONTROL STATION REHABILITATION/EQUIPMENT REPLACEMENT	CP0621	2014 Wastewater Bond	\$8,567	\$267,120	\$27,407	\$28,085	-	-	-	\$331,179

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
ODOR CONTROL STATION REHABILITATION/EQUIPMENT REPLACEMENT		2020 Wastewater Bond	-	-	-	-	\$171,418	\$1,713,786	\$2,184,924	\$4,070,128
		Future Wastewater Bond	-	-	-	-	-	-	\$34,090	\$34,090
<b>Total For ODOR CONTROL STATION REHABILITATION/EQUIPMENT REPLACEMENT</b>			<b>\$8,567</b>	<b>\$267,120</b>	<b>\$27,407</b>	<b>\$28,085</b>	<b>\$171,418</b>	<b>\$1,713,786</b>	<b>\$2,219,014</b>	<b>\$4,435,397</b>
SEWER LINE CONDITION ASSESSMENT AND REHABILITATION	CP0622	2014 Wastewater Bond	\$375,094	\$425,590	\$435,804	\$442,123	-	-	-	\$1,678,611
		2020 Wastewater Bond	-	-	-	-	\$458,062	\$470,405	\$976,984	\$1,905,451
		Future Wastewater Bond	-	-	-	-	-	-	\$506,921	\$506,921
<b>Total For SEWER LINE CONDITION ASSESSMENT AND REHABILITATION</b>			<b>\$375,094</b>	<b>\$425,590</b>	<b>\$435,804</b>	<b>\$442,123</b>	<b>\$458,062</b>	<b>\$470,405</b>	<b>\$1,483,905</b>	<b>\$4,090,983</b>
SEWER LINE REHABILITATION	CP0623	2014 Wastewater Bond	\$196,645	\$948,540	\$288,618	\$295,749	-	-	-	\$1,729,552
		2020 Wastewater Bond	-	-	-	-	\$11,942,839	\$10,588,590	\$19,215,945	\$41,747,374

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Wastewater Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
SEWER LINE REHABILITATION		Future Wastewater Bond	-	-	-	-	-	-	\$6,107,767	\$6,107,767
<b>Total For SEWER LINE REHABILITATION</b>			<b>\$196,645</b>	<b>\$948,540</b>	<b>\$288,618</b>	<b>\$295,749</b>	<b>\$11,942,839</b>	<b>\$10,588,590</b>	<b>\$25,323,712</b>	<b>\$49,584,693</b>
SEWRP MAJOR PLANT IMPROVEMENTS	CP0629	2020 Wastewater Bond	-	-	-	-	-	\$3,576,365	-	\$3,576,365
		Future Wastewater Bond	-	-	-	-	-	-	\$4,554,708	\$4,554,708
<b>Total For SEWRP MAJOR PLANT IMPROVEMENTS</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,576,365</b>	<b>\$4,554,708</b>	<b>\$8,131,073</b>
SEWRP MISC PLANT IMPROVEMENTS	CP0630	2014 Wastewater Bond	\$344,299	\$1,358,725	\$82,222	\$251,093	-	-	-	\$2,036,339
		2020 Wastewater Bond	-	-	-	-	\$2,053,581	\$1,917,822	\$1,597,485	\$5,568,888
		Future Wastewater Bond	-	-	-	-	-	-	\$2,104,066	\$2,104,066
<b>Total For SEWRP MISC PLANT IMPROVEMENTS</b>			<b>\$344,299</b>	<b>\$1,358,725</b>	<b>\$82,222</b>	<b>\$251,093</b>	<b>\$2,053,581</b>	<b>\$1,917,822</b>	<b>\$3,701,551</b>	<b>\$9,709,293</b>
<b>Total for Wastewater Lifecycle</b>			<b>\$3,575,440</b>	<b>\$16,046,561</b>	<b>\$8,713,474</b>	<b>\$4,189,959</b>	<b>\$19,496,677</b>	<b>\$37,463,544</b>	<b>\$67,227,160</b>	<b>\$156,712,815</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Water Contractual Obligations

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Val Vista Water Treatment Plant (Mesa Share)	CN0010	2014 Water Bond	\$9,368,144	\$1,440,349	\$3,005,739	\$7,869,542	-	-	-	\$21,683,774
		2020 Water Bond	-	-	-	-	\$5,751,633	\$5,526,500	\$6,973,400	\$18,251,533
<b>Total For Val Vista Water Treatment Plant (Mesa Share)</b>			<b>\$9,368,144</b>	<b>\$1,440,349</b>	<b>\$3,005,739</b>	<b>\$7,869,542</b>	<b>\$5,751,633</b>	<b>\$5,526,500</b>	<b>\$6,973,400</b>	<b>\$39,935,307</b>
Water Rights for White Mountain Apache Water Settlement	CN0028	2014 Water Bond	-	-	\$3,788,800	\$3,882,410	-	-	-	\$7,671,210
<b>Total For Water Rights for White Mountain Apache Water Settlement</b>			<b>-</b>	<b>-</b>	<b>\$3,788,800</b>	<b>\$3,882,410</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$7,671,210</b>
<b>Total for Water Contractual Obligations</b>			<b>\$9,368,144</b>	<b>\$1,440,349</b>	<b>\$6,794,539</b>	<b>\$11,751,952</b>	<b>\$5,751,633</b>	<b>\$5,526,500</b>	<b>\$6,973,400</b>	<b>\$47,606,517</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Customer Demand Citywide

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
TRANSMISSION MAIN - OTHER AREAS	CP0646	2020 Water Bond	-	-	-	-	\$1,412,644	\$2,030,989	\$24,103,800	\$27,547,433
<b>Total For TRANSMISSION MAIN - OTHER AREAS</b>			-	-	-	-	<b>\$1,412,644</b>	<b>\$2,030,989</b>	<b>\$24,103,800</b>	<b>\$27,547,433</b>
<b>Total for Water Customer Demand Citywide</b>			-	-	-	-	<b>\$1,412,644</b>	<b>\$2,030,989</b>	<b>\$24,103,800</b>	<b>\$27,547,433</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
New Groundwater Wells	CP0365	2014 Water Bond	\$47,805	-	-	-	-	-	-	\$47,805
		2020 Water Bond	-	-	-	\$3,570,891	\$14,541,265	\$22,948,635	\$41,060,791	
		Future Water Bond	-	-	-	-	-	\$379,539	\$379,539	
<b>Total For New Groundwater Wells</b>			<b>\$47,805</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,570,891</b>	<b>\$14,541,265</b>	<b>\$23,328,174</b>	<b>\$41,488,135</b>
NEW PUMP STATION	CP0639	2014 Water Bond	-	\$2,874,857	-	-	-	-	-	\$2,874,857
		2020 Water Bond	-	-	-	\$122,368	\$65,434	\$3,811,029	\$3,998,831	
		Future Water Bond	-	-	-	-	-	\$3,744,010	\$3,744,010	
<b>Total For NEW PUMP STATION</b>			<b>-</b>	<b>\$2,874,857</b>	<b>-</b>	<b>-</b>	<b>\$122,368</b>	<b>\$65,434</b>	<b>\$7,555,039</b>	<b>\$10,617,698</b>
Signal Butte Water Treatment Plant	C01600	2010 Water Bond	\$357,251	-	-	-	-	-	-	\$357,251
		2014 Water Bond	\$52,624,239	\$68,501,976	-	-	-	-	-	\$121,126,215
<b>Total For Signal Butte Water Treatment Plant</b>			<b>\$52,981,490</b>	<b>\$68,501,976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$121,483,466</b>
TRANSMISSION MAINS - SOUTHEAST MESA	CP0645	2014 Water Bond	-	-	\$770,575	\$5,946,661	-	-	-	\$6,717,236
		2020 Water Bond	-	-	-	-	\$1,028,526	\$12,546,336	\$3,808,907	\$17,383,769

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
TRANSMISSION MAINS - SOUTHEAST MESA		Future Water Bond	-	-	-	-	-	-	\$344,378	\$344,378
<b>Total For TRANSMISSION MAINS - SOUTHEAST MESA</b>			-	-	<b>\$770,575</b>	<b>\$5,946,661</b>	<b>\$1,028,526</b>	<b>\$12,546,336</b>	<b>\$4,153,285</b>	<b>\$24,445,383</b>
Water and Wastewater Improvements for ASU Polytechnic	C06010	2010 Wastewater Bond	-	\$2,280,304	-	-	-	-	-	\$2,280,304
<b>Total For Water and Wastewater Improvements for ASU Polytechnic</b>			-	<b>\$2,280,304</b>	-	-	-	-	-	<b>\$2,280,304</b>
WATER EXTENSIONS AND OVERSIZED MAINS	CP0652	2014 Water Bond	\$94,240	\$212,100	\$217,190	\$222,557	-	-	-	\$746,087
		2020 Water Bond	-	-	-	-	\$228,284	\$234,435	\$486,896	\$949,615
		Future Water Bond	-	-	-	-	-	-	\$252,632	\$252,632
<b>Total For WATER EXTENSIONS AND OVERSIZED MAINS</b>			<b>\$94,240</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$228,284</b>	<b>\$234,435</b>	<b>\$739,528</b>	<b>\$1,948,334</b>
WELL COLLECTION LINES	CP0648	2020 Water Bond	-	-	-	-	\$353,532	\$7,313,726	\$9,837,952	\$17,505,210
<b>Total For WELL COLLECTION LINES</b>			-	-	-	-	<b>\$353,532</b>	<b>\$7,313,726</b>	<b>\$9,837,952</b>	<b>\$17,505,210</b>
Well Site Acquisition	C04048	2014 Water Bond	\$4,521	\$262,500	\$268,800	\$275,441	-	-	-	\$811,262
<b>Total For Well Site Acquisition</b>			<b>\$4,521</b>	<b>\$262,500</b>	<b>\$268,800</b>	<b>\$275,441</b>	-	-	-	<b>\$811,262</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Customer Demand - Southeast Mesa

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Total for Water Customer Demand - Southeast Mesa			\$53,128,056	\$74,131,737	\$1,256,565	\$6,444,659	\$5,303,601	\$34,701,196	\$45,613,978	\$220,579,792

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
BROWN ROAD MAJOR PLANT IMPROVEMENTS	CP0634	2020 Water Bond	-	-	-	-	\$301,363	\$3,435,271	\$6,809,306	\$10,545,940
		Future Water Bond	-	-	-	-	-	-	\$250,131	\$250,131
<b>Total For BROWN ROAD MAJOR PLANT IMPROVEMENTS</b>			-	-	-	-	<b>\$301,363</b>	<b>\$3,435,271</b>	<b>\$7,059,437</b>	<b>\$10,796,071</b>
Brown Road Water Treatment Plant Equipment Replacement	CP0024	2014 Water Bond	\$2,036,213	\$157,500	-	-	-	-	-	\$2,193,713
<b>Total For Brown Road Water Treatment Plant Equipment Replacement</b>			<b>\$2,036,213</b>	<b>\$157,500</b>	-	-	-	-	-	<b>\$2,193,713</b>
BROWN ROAD WATER TREATMENT PLANT MISC. IMPROVEMENTS	CP0635	2020 Water Bond	-	-	-	-	\$1,046,711	\$6,914,971	\$2,006,643	\$9,968,325
		Future Water Bond	-	-	-	-	-	-	\$93,800	\$93,800
<b>Total For BROWN ROAD WATER TREATMENT PLANT MISC. IMPROVEMENTS</b>			-	-	-	-	<b>\$1,046,711</b>	<b>\$6,914,971</b>	<b>\$2,100,443</b>	<b>\$10,062,125</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Desert Well 6 and 7 Connection to Falcon Field Zone	CP0021	2010 Water Bond	\$24,453	-	-	-	-	-	-	\$24,453
		2020 Water Bond	-	-	-	-	\$452,046	-	-	\$452,046
<b>Total For Desert Well 6 and 7 Connection to Falcon Field Zone</b>			<b>\$24,453</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$452,046</b>	<b>-</b>	<b>-</b>	<b>\$476,499</b>
Falcon Field Utility Lines	CP0505	2014 Wastewater Bond	-	\$61,177	-	-	-	-	-	\$61,177
<b>Total For Falcon Field Utility Lines</b>			<b>-</b>	<b>\$61,177</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$61,177</b>
Fire Hydrant Meters	CP0320	2014 Water Bond	\$20,978	\$10,500	\$10,752	\$11,018	-	-	-	\$53,248
		2020 Water Bond	-	-	-	-	\$11,301	\$11,606	\$24,104	\$47,011
		Future Water Bond	-	-	-	-	-	-	\$12,507	\$12,507
<b>Total For Fire Hydrant Meters</b>			<b>\$20,978</b>	<b>\$10,500</b>	<b>\$10,752</b>	<b>\$11,018</b>	<b>\$11,301</b>	<b>\$11,606</b>	<b>\$36,611</b>	<b>\$112,766</b>
FIRE HYDRANT REPLACEMENT	CP0636	2014 Water Bond	\$335,953	\$371,175	\$380,083	\$389,474	-	-	-	\$1,476,685
		2020 Water Bond	-	-	-	-	\$488,210	\$501,364	\$1,041,284	\$2,030,858
		Future Water Bond	-	-	-	-	-	-	\$540,283	\$540,283
<b>Total For FIRE HYDRANT REPLACEMENT</b>			<b>\$335,953</b>	<b>\$371,175</b>	<b>\$380,083</b>	<b>\$389,474</b>	<b>\$488,210</b>	<b>\$501,364</b>	<b>\$1,581,567</b>	<b>\$4,047,826</b>
Home Waterline Replacement; Marilyn Ave to Southern Ave	CP0366	2014 Electric Bond	\$21,398	-	-	-	-	-	-	\$21,398

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
Horne Waterline Replacement; Marilyn Ave to Southern Ave		2014 Gas Bond	\$66,761	-	-	-	-	-	-	\$66,761
		2014 Wastewater Bond	\$20,060	-	-	-	-	-	-	\$20,060
		2014 Water Bond	\$140,320	\$901,425	-	-	-	-	-	\$1,041,745
<b>Total For Horne Waterline Replacement; Marilyn Ave to Southern Ave</b>			<b>\$248,539</b>	<b>\$901,425</b>	-	-	-	-	-	<b>\$1,149,964</b>
PUMP STATION REHABILITATION	CP0640	2014 Water Bond	\$1,329,209	-	\$171,925	-	-	-	-	\$1,501,134
		2020 Water Bond	-	-	-	-	\$690,500	\$2,409,449	\$1,084,672	\$4,184,621
		Future Water Bond	-	-	-	-	-	-	\$562,795	\$562,795
<b>Total For PUMP STATION REHABILITATION</b>			<b>\$1,329,209</b>	-	<b>\$171,925</b>	-	<b>\$690,500</b>	<b>\$2,409,449</b>	<b>\$1,647,467</b>	<b>\$6,248,550</b>
REDRILL GROUNDWATER WELLS	CP0642	2020 Water Bond	-	-	-	-	\$632,186	\$6,815,261	\$20,585,378	\$28,032,825
<b>Total For REDRILL GROUNDWATER WELLS</b>			-	-	-	-	<b>\$632,186</b>	<b>\$6,815,261</b>	<b>\$20,585,378</b>	<b>\$28,032,825</b>
REPLACE WATER VALVES	CP0651	2014 Water Bond	\$291,039	\$404,250	\$413,952	\$396,635	-	-	-	\$1,505,876
		2020 Water Bond	-	-	-	-	\$423,794	\$435,212	\$903,892	\$1,762,898

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
REPLACE WATER VALVES		Future Water Bond	-	-	-	-	-	-	\$468,996	\$468,996
<b>Total For REPLACE WATER VALVES</b>			<b>\$291,039</b>	<b>\$404,250</b>	<b>\$413,952</b>	<b>\$396,635</b>	<b>\$423,794</b>	<b>\$435,212</b>	<b>\$1,372,888</b>	<b>\$3,737,770</b>
RESERVOIR REHABILITATION	CP0641	2014 Water Bond	\$199,621	\$99,750	\$102,144	\$113,564	-	-	-	\$515,079
		2020 Water Bond	-	-	-	-	\$470,806	\$3,875,318	\$904,746	\$5,250,870
		Future Water Bond	-	-	-	-	-	-	\$175,093	\$175,093
<b>Total For RESERVOIR REHABILITATION</b>			<b>\$199,621</b>	<b>\$99,750</b>	<b>\$102,144</b>	<b>\$113,564</b>	<b>\$470,806</b>	<b>\$3,875,318</b>	<b>\$1,079,839</b>	<b>\$5,941,042</b>
Rio Salado Parkway Utility Line	C10560	2010 Water Bond	\$5,999	-	-	-	-	-	-	\$5,999
		2020 Water Bond	-	-	-	-	\$467,981	-	-	\$467,981
<b>Total For Rio Salado Parkway Utility Line</b>			<b>\$5,999</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$467,981</b>	<b>-</b>	<b>-</b>	<b>\$473,980</b>
VAL VISTA WATER TREATMENT PLANT MAJOR PLANT IMPROVEMENTS	CP0647	2020 Water Bond	-	-	-	-	\$226,023	\$2,344,341	-	\$2,570,364
<b>Total For VAL VISTA WATER TREATMENT PLANT MAJOR PLANT IMPROVEMENTS</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$226,023</b>	<b>\$2,344,341</b>	<b>-</b>	<b>\$2,570,364</b>
Water Aging Main Replacement	CP0464	2014 Water Bond	\$2,009,652	\$429,975	\$440,294	\$451,173	-	-	-	\$3,331,094
		2020 Water Bond	-	-	-	-	\$4,770,567	\$29,966,043	\$20,066,414	\$54,803,024
		Future Water Bond	-	-	-	-	-	-	\$10,411,703	\$10,411,703

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
<b>Total For Water Aging Main Replacement</b>			<b>\$2,009,652</b>	<b>\$429,975</b>	<b>\$440,294</b>	<b>\$451,173</b>	<b>\$4,770,567</b>	<b>\$29,966,043</b>	<b>\$30,478,117</b>	<b>\$68,545,821</b>
Water Line Inspection and Repairs	CP0722	2014 Water Bond	\$445,880	\$1,177,050	\$662,323	\$1,235,078	-	-	-	\$3,520,331
		2020 Water Bond	-	-	-	-	\$696,151	\$714,908	\$1,484,794	\$2,895,853
		Future Water Bond	-	-	-	-	-	-	\$770,404	\$770,404
<b>Total For Water Line Inspection and Repairs</b>			<b>\$445,880</b>	<b>\$1,177,050</b>	<b>\$662,323</b>	<b>\$1,235,078</b>	<b>\$696,151</b>	<b>\$714,908</b>	<b>\$2,255,198</b>	<b>\$7,186,588</b>
WATER METERS	CN0029	Utility Replacement Extension and Renewal - WTR	\$201,452	\$770,000	\$808,960	\$849,933	\$893,329	\$939,505	\$3,010,185	\$7,473,364
<b>Total For WATER METERS</b>			<b>\$201,452</b>	<b>\$770,000</b>	<b>\$808,960</b>	<b>\$849,933</b>	<b>\$893,329</b>	<b>\$939,505</b>	<b>\$3,010,185</b>	<b>\$7,473,364</b>
Water Meter Vault Rehabilitation	CP0468	2014 Water Bond	\$341,076	\$949,725	\$972,518	\$996,547	-	-	-	\$3,259,866
		2020 Water Bond	-	-	-	-	\$1,022,189	\$1,049,731	\$2,180,188	\$4,252,108
		Future Water Bond	-	-	-	-	-	-	\$1,131,217	\$1,131,217
<b>Total For Water Meter Vault Rehabilitation</b>			<b>\$341,076</b>	<b>\$949,725</b>	<b>\$972,518</b>	<b>\$996,547</b>	<b>\$1,022,189</b>	<b>\$1,049,731</b>	<b>\$3,311,405</b>	<b>\$8,643,191</b>
WATER SERVICES EXTENSION AND REPLACEMENT	CP0650	2014 Water Bond	\$3,942	\$212,100	\$217,190	\$222,557	-	-	-	\$655,789

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Capital Expenses

#### Water Lifecycle

Project Title	Project Code	Fund	Estimated Expenditures through FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Total
WATER SERVICES EXTENSION AND REPLACEMENT		2020 Water Bond	-	-	-	-	\$244,105	\$250,682	\$520,642	\$1,015,429
		Future Water Bond	-	-	-	-	-	-	\$270,142	\$270,142
<b>Total For WATER SERVICES EXTENSION AND REPLACEMENT</b>			<b>\$3,942</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$244,105</b>	<b>\$250,682</b>	<b>\$790,784</b>	<b>\$1,941,360</b>
Water System Compliance Lab Replacement	CP0336	2020 Wastewater Bond	-	-	-	-	\$346,849	\$48,842	-	\$395,691
		2020 Water Bond	-	-	-	-	\$176,722	\$197,296	-	\$374,018
<b>Total For Water System Compliance Lab Replacement</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$523,571</b>	<b>\$246,138</b>	<b>-</b>	<b>\$769,709</b>
<b>Total for Water Lifecycle</b>			<b>\$7,494,006</b>	<b>\$5,544,627</b>	<b>\$4,180,141</b>	<b>\$4,665,979</b>	<b>\$13,360,833</b>	<b>\$59,909,800</b>	<b>\$75,309,319</b>	<b>\$170,464,705</b>

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# Major Program Summary- Start-up and Operational Expense

CAPITAL  
IMPROVEMENT  
PROGRAM  
OVERVIEW

MAJOR PROGRAM  
SUMMARY-  
CAPITAL  
EXPENDITURES

MAJOR PROGRAM SUMMARY-  
START-UP AND  
OPERATIONAL  
EXPENSE

GENERAL  
GOVERNMENT

PARKS AND  
CULTURE

PUBLIC SAFETY

TRANSPORTATION

UTILITIES

FISCAL YEARS

# 2018-2022

MESA, ARIZONA

# Start-up and Operational Expenses Summary

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**2018 - 2022 Capital Improvement Program**  
 Program Summary - Start-up and Operational Expenses

**Cemetery**

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Cemetery North Expansion	CP0583	Cemetery	Ongoing	\$11,000	\$11,264	\$11,543	\$11,840	\$12,159
<b>Total for Cemetery</b>				<b>\$11,000</b>	<b>\$11,264</b>	<b>\$11,543</b>	<b>\$11,840</b>	<b>\$12,159</b>

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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.

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**2018 - 2022 Capital Improvement Program**  
 Program Summary - Start-up and Operational Expenses

**Environment and Sustainability**

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Household Hazardous Waste Facility	CP0588	Environmental Compliance Fee	One Time	\$250,000	-	-	-	-
<b>Total for Environment and Sustainability</b>				<b>\$250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Intelligent Transportation System

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Traffic Signals - New and Upgrade	CP0586	Highway User Revenue Fund	Ongoing	\$27,750	\$28,416	\$29,118	\$29,867	\$30,672
<b>Total for Intelligent Transportation System</b>				<b>\$27,750</b>	<b>\$28,416</b>	<b>\$29,118</b>	<b>\$29,867</b>	<b>\$30,672</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Parks & Recreation

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Eagles Park	CP0211	Environmental Compliance Fee	Ongoing	\$237,177	\$242,869	\$248,870	\$255,274	\$262,152
Eagles Park	CP0211	General Fund	Ongoing	\$444,272	\$456,470	\$467,747	\$479,783	\$492,710
Existing Park Improvements	CP0226	General Fund	Ongoing	-	\$542,720	\$556,129	\$570,439	\$585,809
Greenfield Park Urban Fishing Lake	CP0010	Environmental Compliance Fee	Ongoing	\$90,999	\$93,183	\$95,485	\$97,942	\$100,581
Greenfield Park Urban Fishing Lake	CP0010	General Fund	Ongoing	\$112,008	\$116,350	\$119,225	\$122,292	\$125,588
Signal Butte & Elliot Park Development	CP0121	Environmental Compliance Fee	One Time	-	\$122,880	-	-	-
Signal Butte & Elliot Park Development	CP0121	Environmental Compliance Fee	Ongoing	-	\$58,345	\$59,787	\$61,325	\$62,978
Signal Butte & Elliot Park Development	CP0121	General Fund	Ongoing	-	\$58,724	\$62,021	\$63,617	\$65,331
<b>Total for Parks &amp; Recreation</b>				<b>\$884,456</b>	<b>\$1,691,541</b>	<b>\$1,609,264</b>	<b>\$1,650,672</b>	<b>\$1,695,149</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Shared Use Paths

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Consolidated Canal Pathway Lighting; Adobe to Lindsay	CP0274	Local Streets Sales Tax	Ongoing	\$9,130	\$9,349	\$9,580	\$9,827	\$10,091
Dobson Road Complete Streets; Main St to Red Mountain L202	CP0161	Local Streets Sales Tax	Ongoing	-	-	-	-	\$18,845
Eastern Canal Shared-Use Path; Gilbert to University	CP0673	Environmental Compliance Fee	Ongoing	-	-	-	\$5,382	\$5,527
Eastern Canal Shared-Use Path; Gilbert to University	CP0673	Highway User Revenue Fund	Ongoing	-	-	-	\$10,763	\$11,053
Lehi Crossing Shared-Use Pathway	CP0672	Environmental Compliance Fee	Ongoing	-	-	-	-	\$2,211
Lehi Crossing Shared-Use Pathway	CP0672	Highway User Revenue Fund	Ongoing	-	-	-	-	\$4,421
South Canal Shared-Use Path; Consolidated Canal to McDowell	CP0671	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
South Canal Shared-Use Path; Consolidated Canal to McDowell	CP0671	Highway User Revenue Fund	Ongoing	-	\$4,096	\$4,197	\$4,305	\$4,421
Southeast Mesa Bike and Pedestrian Path (Segments 2-5)	CP0529	Environmental Compliance Fee	Ongoing	-	-	-	-	\$2,211
Southeast Mesa Bike and Pedestrian Path (Segments 2-5)	CP0529	Highway User Revenue Fund	Ongoing	-	-	-	-	\$4,421
Southeast Mesa Bike & Pedestrian Path	CP0198	Local Streets Sales Tax	Ongoing	\$19,500	\$19,968	\$20,461	\$20,988	\$21,553
Southeast Mesa Shared-Use Path; Guadalupe to Baseline	CP0734	Environmental Compliance Fee	Ongoing	-	-	\$2,099	\$2,153	\$2,211
Southeast Mesa Shared-Use Path; Guadalupe to Baseline	CP0734	Highway User Revenue Fund	Ongoing	-	-	\$4,197	\$4,305	\$4,421
Tempe Canal Shared-Use Path; University to Rio Salado	CP0735	Environmental Compliance Fee	Ongoing	-	-	-	\$2,153	\$2,211
Tempe Canal Shared-Use Path; University to Rio Salado	CP0735	Highway User Revenue Fund	Ongoing	-	-	-	\$4,305	\$4,421

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Storm Sewer

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
2nd Avenue and Extension Drainage	CP0611	Environmental Compliance Fee	Ongoing	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211
63rd and Broadway Drainage	CP0613	Environmental Compliance Fee	Ongoing	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211
Firefly Avenue Drainage	CP0726	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
Gilbert & Hackamore	CP0744	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
Horne Storm Drain System	CP0557	Environmental Compliance Fee	Ongoing	-	\$40,960	\$41,972	\$43,052	\$44,212
Lazona & Broadway Drainage	CP0743	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
Lehi Area Drainage Master Plan	CP0567	Environmental Compliance Fee	Ongoing	-	-	-	\$1,240	\$1,273
Maple & Main Drainage	CP0741	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
Skyview Drainage	CP0745	Environmental Compliance Fee	Ongoing	-	\$2,048	\$2,099	\$2,153	\$2,211
Solomon and Southern Drainage	CP0614	Environmental Compliance Fee	Ongoing	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211
Storm Drain Pump Stations	CP0491	Environmental Compliance Fee	Ongoing	\$1,152	\$1,180	\$1,209	\$1,240	\$1,273
Summer and Bates Drainage	CP0612	Environmental Compliance Fee	Ongoing	-	-	\$5,247	\$5,382	\$5,527
<b>Total for Storm Sewer</b>				<b>\$7,152</b>	<b>\$58,524</b>	<b>\$65,220</b>	<b>\$68,138</b>	<b>\$69,973</b>

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Streets

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
10th Street Traffic Calming	CP0343	Local Streets Sales Tax	Ongoing	\$2,853	\$2,921	\$2,994	\$3,071	\$3,153
1st Avenue Improvements	CP0279	Environmental Compliance Fee	Ongoing	\$3,186	\$3,263	\$3,343	\$3,429	\$3,521
1st Avenue Improvements	CP0279	Highway User Revenue Fund	Ongoing	\$9,485	\$9,714	\$9,953	\$10,209	\$10,484
2013 Streets Cityshare	CN0003	Local Streets Sales Tax	Ongoing	-	\$90,419	\$92,653	\$95,037	\$97,598
Baseline Road; 24th Street to the Consolidated Canal	CP0658	Local Streets Sales Tax	Ongoing	\$19,005	\$19,461	\$19,942	\$20,455	\$21,006
Elliot Road Tech Corridor	CP0571	Environmental Compliance Fee	Ongoing	-	\$5,111	\$5,237	\$5,372	\$5,516
Elliot Road Tech Corridor	CP0571	Highway User Revenue Fund	Ongoing	-	\$44,346	\$45,442	\$46,611	\$47,867
Mesa Drive Phase II	C01400	Environmental Compliance Fee	Ongoing	-	\$5,111	\$5,237	\$5,372	\$5,516
Mesa Drive Phase II	C01400	Highway User Revenue Fund	Ongoing	-	\$44,346	\$45,442	\$46,611	\$47,867
Pedestrian Connection west of Dobson Rd	CP0281	Environmental Compliance Fee	Ongoing	-	-	\$2,099	\$2,153	\$2,211
Pedestrian Connection west of Dobson Rd	CP0281	Highway User Revenue Fund	Ongoing	-	-	\$4,197	\$4,305	\$4,421
Roosevelt Road; Broadway Road to 8th Avenue	CP0528	Local Streets Sales Tax	Ongoing	\$26,058	\$26,636	\$27,298	\$28,000	\$28,754
Southern Avenue and Country Club Drive Intersection	C01434	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,268
Southern Avenue and Country Club Drive Intersection	C01434	Highway User Revenue Fund	Ongoing	-	-	-	-	\$5,760
Southern Avenue and Stapley Drive Intersection	C01814	Environmental Compliance Fee	Ongoing	-	-	-	\$3,183	\$3,268

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Streets

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Southern Avenue and Stapley Drive Intersection	C01814	Highway User Revenue Fund	Ongoing	-	-	-	\$5,609	\$5,760
Southern Avenue; Gilbert Road to Consolidated Canal	CP0061	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,521
Southern Avenue; Gilbert Road to Consolidated Canal	CP0061	Highway User Revenue Fund	Ongoing	-	-	-	-	\$10,484
Southern Avenue; Greenfield to Higley	CP0700	Environmental Compliance Fee	Ongoing	-	\$3,263	\$3,343	\$3,429	\$3,521
Southern Avenue; Greenfield to Higley	CP0700	Highway User Revenue Fund	Ongoing	-	\$9,714	\$9,953	\$10,209	\$10,484
Stapley Drive and University Drive Intersection	C05041	Environmental Compliance Fee	Ongoing	-	-	-	-	\$3,268
Stapley Drive and University Drive Intersection	C05041	Highway User Revenue Fund	Ongoing	-	-	-	-	\$5,760
Streetlight Spot Improvement	CP0294	Local Streets Sales Tax	Ongoing	\$7,500	\$15,360	\$23,662	\$24,271	\$24,925
Transportation Neighborhood Improvement Projects	CP0532	Environmental Compliance Fee	Ongoing	\$300	\$307	\$315	\$323	\$332
Transportation Neighborhood Improvement Projects	CP0532	Highway User Revenue Fund	Ongoing	\$500	\$512	\$524	\$538	\$553
Val Vista Drive; Baseline Road to US 60	CP0105	Local Streets Sales Tax	Ongoing	\$19,005	\$19,461	\$19,942	\$20,455	\$21,006
Val Vista Drive; Pueblo to US 60	CP0062	Environmental Compliance Fee	Ongoing	-	-	-	\$5,372	\$5,516
Val Vista Drive; Pueblo to US 60	CP0062	Highway User Revenue Fund	Ongoing	-	-	-	\$46,611	\$47,867
<b>Total for Streets</b>				<b>\$87,892</b>	<b>\$299,945</b>	<b>\$321,576</b>	<b>\$390,625</b>	<b>\$433,207</b>

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**2018 - 2022 Capital Improvement Program**  
 Program Summary - Start-up and Operational Expenses

**Transit**

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Gilbert Road Light Rail Extension	CP0296	Environmental Compliance Fee	Ongoing	-	\$25,600	\$26,233	\$26,908	\$27,633
Gilbert Road Light Rail Extension	CP0296	Transit Fund	Ongoing	-	\$938,496	\$3,846,734	\$3,945,716	\$4,052,030
<b>Total for Transit</b>				-	<b>\$964,096</b>	<b>\$3,872,967</b>	<b>\$3,972,624</b>	<b>\$4,079,663</b>

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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.

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Wastewater Customer Demand - Southeast Mesa

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Greenfield Water Reclamation Plant Expansion	CP0067	Greenfield WRP Joint Venture	One Time	\$9,500	-	-	-	-
Greenfield Water Reclamation Plant Expansion	CP0067	Greenfield WRP Joint Venture	Ongoing	\$268,499	\$274,942	\$2,911,993	\$3,076,532	\$3,159,427
Greenfield Water Reclamation Plant Expansion - Mesa Share	CN0015	Wastewater	One Time	\$26,962	-	-	-	-
Greenfield Water Reclamation Plant Expansion - Mesa Share	CN0015	Wastewater	Ongoing	\$112,233	\$225,576	\$1,295,400	\$1,400,779	\$1,438,521
<b>Total for Wastewater Customer Demand - Southeast Mesa</b>				<b>\$417,194</b>	<b>\$500,518</b>	<b>\$4,207,393</b>	<b>\$4,477,311</b>	<b>\$4,597,948</b>

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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.

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## 2018 - 2022 Capital Improvement Program

### Program Summary - Start-up and Operational Expenses

#### Water Customer Demand - Southeast Mesa

Project Description	Project Code	Fund	Program Type	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22
Desert Well 19	C05032	Water	One Time	\$1,525	-	-	-	-
Desert Well 19	C05032	Water	Ongoing	\$133,244	\$124,704	\$127,785	\$131,074	\$134,604
Desert Well 20	C05033	Water	Ongoing	\$52,128	\$53,379	\$54,698	\$56,106	\$57,617
New Groundwater Wells	CP0365	Water	Ongoing	\$5,000	\$5,120	\$5,247	\$5,382	\$63,144
Signal Butte Water Treatment Plant	C01600	Water	One Time	\$2,147,092	-	-	-	-
Signal Butte Water Treatment Plant	C01600	Water	Ongoing	\$1,268,696	\$2,311,950	\$2,369,075	\$2,430,036	\$2,495,511
<b>Total for Water Customer Demand - Southeast Mesa</b>				<b>\$3,607,685</b>	<b>\$2,495,153</b>	<b>\$2,556,805</b>	<b>\$2,622,598</b>	<b>\$2,750,876</b>

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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.

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# General Government

CAPITAL  
IMPROVEMENT  
PROGRAM  
OVERVIEW

MAJOR PROGRAM  
SUMMARY-  
CAPITAL  
EXPENDITURES

MAJOR PROGRAM SUMMARY-  
START-UP AND  
OPERATIONAL  
EXPENSE

GENERAL  
GOVERNMENT

PARKS AND  
CULTURE

PUBLIC SAFETY

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UTILITIES

FISCAL YEARS

# 2018-2022

MESA, ARIZONA

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**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0580 - AZ Lab Utility Service Entrance Section**

**Project Description**

Replace aged electric service entrance section (SES) and meter equipment with current standard utility equipment.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Economic Investment Fund	\$52,850	\$442,862	-	-	-	-	-	\$495,712
<b>Total:</b>	<b>\$52,850</b>	<b>\$442,862</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$495,712</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$2,433	\$21,089	-	-	-	-	-	\$23,522
Construction	\$1,761	\$414,773	-	-	-	-	-	\$416,534
Design	\$48,655	\$7,000	-	-	-	-	-	\$55,655
<b>Total</b>	<b>\$52,850</b>	<b>\$442,862</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$495,712</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0584 - Convention Center Walkway Lighting**

***Project Description***

Replace the walkway lighting at the Mesa Convention Center.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Convention Center	\$29,323	\$202,489	-	-	-	-	-	\$231,812
<b>Total:</b>	<b>\$29,323</b>	<b>\$202,489</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$231,812</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$1,223	\$9,936	-	-	-	-	-	\$11,159
Construction	-	\$189,771	-	-	-	-	-	\$189,771
Design	-	\$2,782	-	-	-	-	-	\$2,782
Direct Expenses	\$28,099	-	-	-	-	-	-	\$28,099
<b>Total</b>	<b>\$29,323</b>	<b>\$202,489</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$231,812</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total:</b>	-	<b>\$150,000</b>	-	-	-	-	-	<b>\$150,000</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$7,143	-	-	-	-	-	\$7,143
Construction- Grant	-	\$142,857	-	-	-	-	-	\$142,857
<b>Total</b>	-	<b>\$150,000</b>	-	-	-	-	-	<b>\$150,000</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0572 - East Mesa Service Center Fleet Bay Cooler**

**Project Description**

Replace and relocate the evaporative coolers to make the units more accessible for maintenance needs. The units have also exceeded their useful life and are not maintainable at the existing locations.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$358,971	\$485,000	-	-	-	-	-	\$843,971
<b>Total:</b>	<b>\$358,971</b>	<b>\$485,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$843,971</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$14,319	\$24,250	-	-	-	-	-	\$38,569
Construction	\$305,358	\$460,750	-	-	-	-	-	\$766,108
Design	\$39,294	-	-	-	-	-	-	\$39,294
<b>Total</b>	<b>\$358,971</b>	<b>\$485,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$843,971</b>



**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0688 - Gene Austry Clubhouse Septic System**

**Project Description**

Abandon 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$15,301	\$511,269	-	-	-	-	-	\$526,570
<b>Total:</b>	<b>\$15,301</b>	<b>\$511,269</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$526,570</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$590	\$24,459	-	-	-	-	-	\$25,049
Construction	\$14,712	\$486,810	-	-	-	-	-	\$501,522
<b>Total</b>	<b>\$15,301</b>	<b>\$511,269</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$526,570</b>

## General Government Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$2,901	\$438,125	-	-	-	-	-	\$441,026
<b>Total:</b>	<b>\$2,901</b>	<b>\$438,125</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$441,026</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$112	\$20,883	-	-	-	-	-	\$20,995
Construction	-	\$380,952	-	-	-	-	-	\$380,952
Design	\$2,788	\$36,290	-	-	-	-	-	\$39,078
<b>Total</b>	<b>\$2,901</b>	<b>\$438,125</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$441,026</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0679 - Police Central Division Drain Lines**

***Project Description***

Replace aging drain pipes throughout the PD 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
<b>Total:</b>	-	<b>\$210,000</b>	-	-	-	-	-	<b>\$210,000</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$10,000	-	-	-	-	-	\$10,000
Construction	-	\$200,000	-	-	-	-	-	\$200,000
<b>Total</b>	-	<b>\$210,000</b>	-	-	-	-	-	<b>\$210,000</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$1,167	\$614,910	-	-	-	-	-	\$616,077
<b>Total:</b>	<b>\$1,167</b>	<b>\$614,910</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$616,077</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$31	\$29,282	-	-	-	-	-	\$29,313
Construction	-	\$535,714	-	-	-	-	-	\$535,714
Design	\$1,136	\$49,914	-	-	-	-	-	\$51,050
<b>Total</b>	<b>\$1,167</b>	<b>\$614,910</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$616,077</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0687 - Red Mountain Multi-Generational Center Flooring**

**Project Description**

Replace flooring that has been damaged due to adjacent grading of the site around the property. Water has infiltrated below the foundation causing concrete to heave and damaging the building structure.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$38	\$524,961	-	-	-	-	-	\$524,999
<b>Total:</b>	<b>\$38</b>	<b>\$524,961</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$524,999</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$1	\$24,998	-	-	-	-	-	\$24,999
Construction	\$36	\$499,963	-	-	-	-	-	\$499,999
<b>Total</b>	<b>\$38</b>	<b>\$524,961</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$524,999</b>

**General Government Major Program Detail  
Fiscal Years 2018 - 2022**

**City Facilities**

**CP0791 - South Center Campus Improvements**

**Project Description**

Construct various improvements to Building 2 at South Center Campus.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$83	\$250,000	-	-	-	-	-	\$250,083
<b>Total:</b>	<b>\$83</b>	<b>\$250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$250,083</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$3	\$11,905	-	-	-	-	-	\$11,908
Construction	\$79	\$228,095	-	-	-	-	-	\$228,174
Design	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	<b>\$83</b>	<b>\$250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$250,083</b>





# City of Mesa

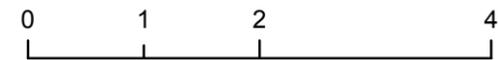
Five-Year Capital  
Improvement Program  
FY 2018 - 2022

## GENERAL GOVERNMENT

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

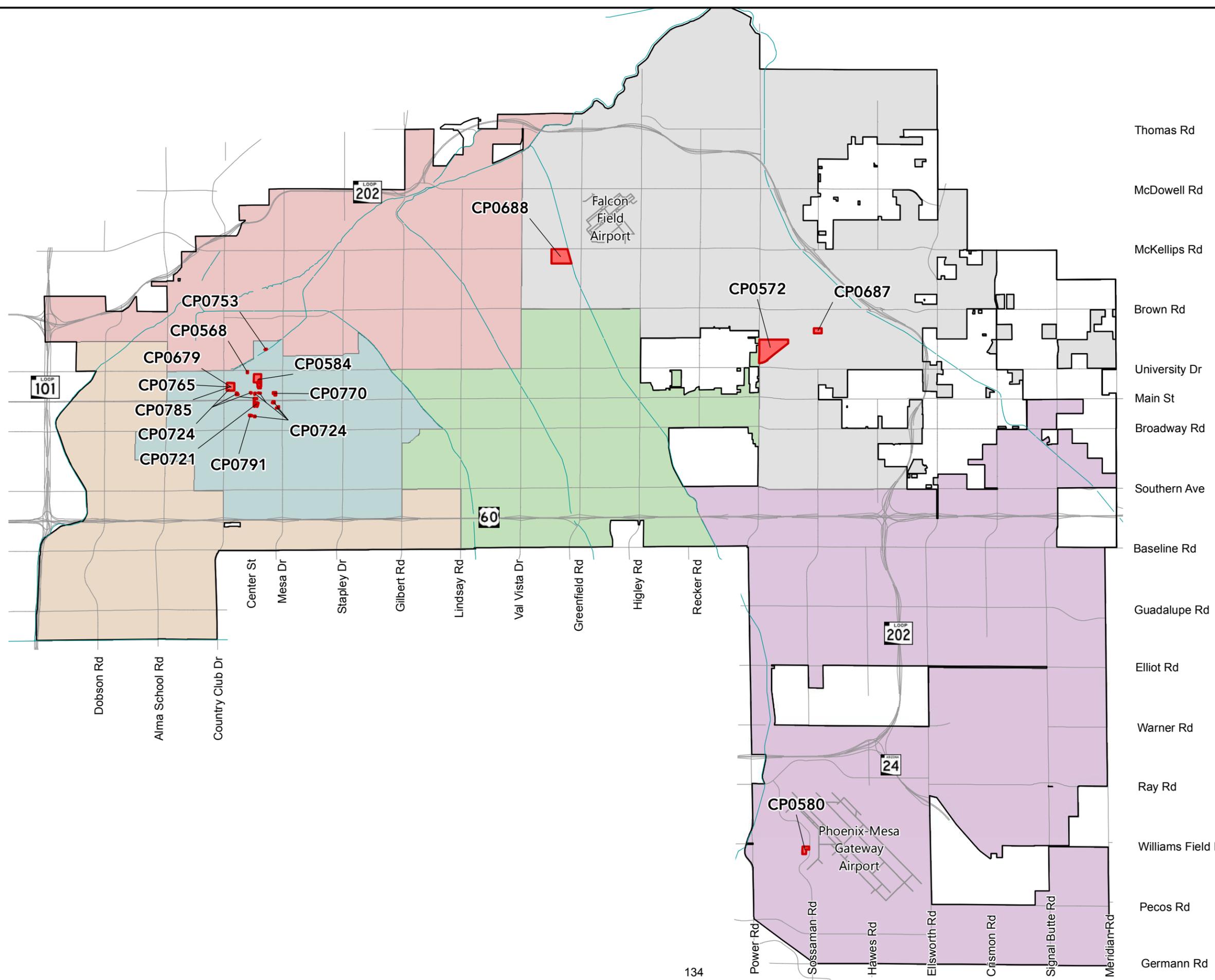
Citywide, External or Location TBD Projects

CP0781



MAP CREATION DATE: 6/20/2017  
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

# Parks and Culture

CAPITAL  
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SUMMARY-  
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MAJOR PROGRAM SUMMARY-  
START-UP AND  
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TRANSPORTATION

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# 2018-2022

MESA, ARIZONA

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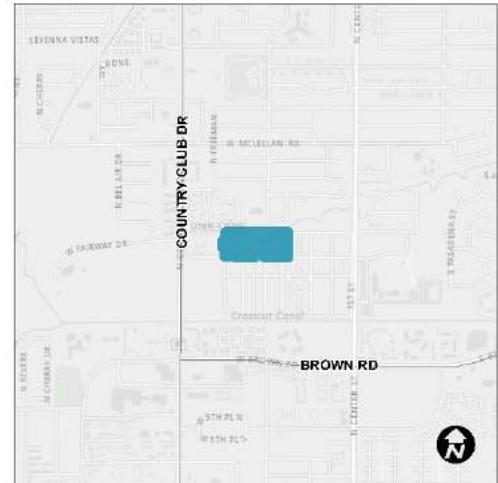
**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Cemetery	\$377,542	-	-	-	-	-	-	\$377,542
Cemetery Reserve	-	\$983,850	-	-	-	-	-	\$983,850
<b>Total:</b>	<b>\$377,542</b>	<b>\$983,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,361,392</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$13,454	\$46,850	-	-	-	-	-	\$60,304
Construction	\$264,326	\$937,000	-	-	-	-	-	\$1,201,326
Design	\$99,762	-	-	-	-	-	-	\$99,762
<b>Total</b>	<b>\$377,542</b>	<b>\$983,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,361,392</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Cemetery	-	\$11,000	\$11,264	\$11,543	\$11,840	\$12,159	\$51,786	\$109,592
<b>Total:</b>	<b>-</b>	<b>\$11,000</b>	<b>\$11,264</b>	<b>\$11,543</b>	<b>\$11,840</b>	<b>\$12,159</b>	<b>\$51,786</b>	<b>\$109,592</b>

## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Cemetery Reserve	-	-	-	\$17,146	\$344,445	-	-	\$361,591
<b>Total:</b>	-	-	-	<b>\$17,146</b>	<b>\$344,445</b>	-	-	<b>\$361,591</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	\$818	\$16,683	-	-	\$17,501
Construction	-	-	-	-	\$327,762	-	-	\$327,762
Design	-	-	-	\$16,328	-	-	-	\$16,328
<b>Total</b>	-	-	-	<b>\$17,146</b>	<b>\$344,445</b>	-	-	<b>\$361,591</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Hohokam Stadium / Fitch Park**

**CP0717 - Hohokam Stadium Capital Improvements**

***Project Description***

Complete capital improvements needed at Hohokam Park and/or the Fitch practice facility.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Hohokam/Fitch Sports Complex	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total:</b>	-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total</b>	-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>

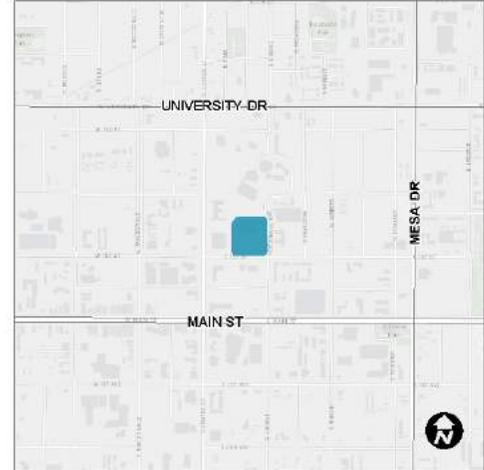
## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### Library

#### CP0678 - Main Library Improvements

##### *Project Description*

Construct two rooms at the main library using grant money from the Salt River Pima-Maricopa Indian Community (SRPMIC).



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Community Development Block Grant	\$1,040	\$100,000	-	-	-	-	-	\$101,040
Grants - Gen. Gov.	\$55,378	\$30,628	-	-	-	-	-	\$86,006
Restricted Programs Fund	\$785	\$130,000	-	-	-	-	-	\$130,785
<b>Total:</b>	<b>\$57,202</b>	<b>\$260,628</b>	-	-	-	-	-	<b>\$317,830</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$2,244	\$14,467	-	-	-	-	-	\$16,711
Construction	\$742	\$123,500	-	-	-	-	-	\$124,242
Construction- Grant	\$54,217	\$122,661	-	-	-	-	-	\$176,878
<b>Total</b>	<b>\$57,202</b>	<b>\$260,628</b>	-	-	-	-	-	<b>\$317,830</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Museum**

**CP0783 - Arizona Museum of Natural History Dinosaur Facade**

**Project Description**

Construct a full-scale dinosaur replica simulating breaking out of the second story of the museum at the corner of Pepper Place and Macdonald Street.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Arts & Culture Fund	\$3,629	\$133,000	-	-	-	-	-	\$136,629
<b>Total:</b>	<b>\$3,629</b>	<b>\$133,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$136,629</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$77	\$6,333	-	-	-	-	-	\$6,410
Construction	\$954	\$126,667	-	-	-	-	-	\$127,621
Design	\$2,597	-	-	-	-	-	-	\$2,597
<b>Total</b>	<b>\$3,629</b>	<b>\$133,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$136,629</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Museum**

**CP0561 - Arizona Museum of Natural History Security System**

**Project Description**

Upgrade the security system at the museum to help ensure the safety of the museum staff and patrons.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Arts & Culture Fund	\$108	\$1,139	-	-	-	-	-	\$1,247
Capital - General Fund	\$5,034	\$77,149	-	-	-	-	-	\$82,183
Grants - Gen. Gov.	\$11,805	-	-	-	-	-	-	\$11,805
<b>Total:</b>	<b>\$16,947</b>	<b>\$78,288</b>	-	-	-	-	-	<b>\$95,235</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$765	\$3,796	-	-	-	-	-	\$4,561
Construction	\$16,182	\$74,492	-	-	-	-	-	\$90,674
<b>Total</b>	<b>\$16,947</b>	<b>\$78,288</b>	-	-	-	-	-	<b>\$95,235</b>

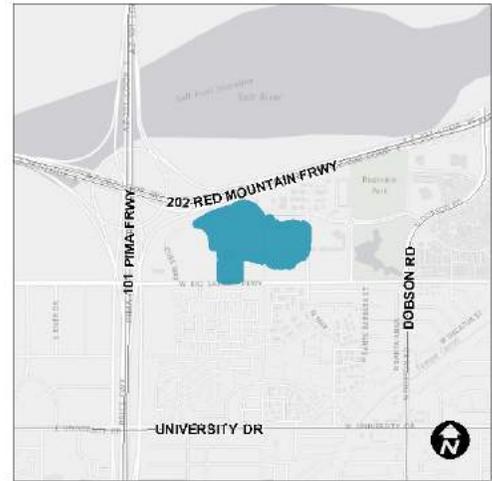
## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### Parks & Recreation

#### CP0723 - Cubs Facility Improvements

##### Project Description

The City and the Chicago Cubs organization have agreed to periodically improve or upgrade Sloan Park and/or the Under Armour Performance Training Center for monument and directional signage around the site.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Spring Training Bond Construction	\$18,673	\$324,090	-	-	-	-	-	\$342,763
<b>Total:</b>	<b>\$18,673</b>	<b>\$324,090</b>	-	-	-	-	-	<b>\$342,763</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$675	\$15,546	-	-	-	-	-	\$16,221
Construction	\$787	\$286,666	-	-	-	-	-	\$287,453
Design	\$17,211	\$21,878	-	-	-	-	-	\$39,089
<b>Total</b>	<b>\$18,673</b>	<b>\$324,090</b>	-	-	-	-	-	<b>\$342,763</b>

## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### 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. The former gym is proposed for renovation into a community recreation center.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$435,051	\$3,000,000	-	-	-	-	-	\$3,435,051
Community Development Block Grant	-	\$400,000	-	-	-	-	-	\$400,000
Local Streets Sales Tax	-	\$2,558,811	-	-	-	-	-	\$2,558,811
Neighborhood Stabilization Program 1	\$204,881	\$2,600,000	-	-	-	-	-	\$2,804,881
<b>Total:</b>	<b>\$639,933</b>	<b>\$8,558,811</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,198,744</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$17,043	\$264,705	-	-	-	-	-	\$281,748
Construction	\$21,117	\$5,119,730	-	-	-	-	-	\$5,140,847
Construction- Grant	\$204,881	\$3,000,000	-	-	-	-	-	\$3,204,881
Design	\$387,952	\$174,376	-	-	-	-	-	\$562,328
Direct Expenses	\$8,939	-	-	-	-	-	-	\$8,939
<b>Total</b>	<b>\$639,933</b>	<b>\$8,558,811</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,198,744</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$237,177	\$242,869	\$248,870	\$255,274	\$262,152	\$1,116,582	\$2,362,924
General Fund	-	\$444,272	\$456,470	\$467,747	\$479,783	\$492,710	\$2,098,600	\$4,439,582
<b>Total:</b>	<b>-</b>	<b>\$681,449</b>	<b>\$699,339</b>	<b>\$716,617</b>	<b>\$735,057</b>	<b>\$754,862</b>	<b>\$3,215,182</b>	<b>\$6,802,506</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$1,183,221	-	-	-	-	-	-	\$1,183,221
Capital - General Fund	\$55,332	\$120,000	\$2,048,000	\$2,098,600	\$807,225	\$2,210,600	\$1,366,549	\$8,706,306
<b>Total:</b>	<b>\$1,238,552</b>	<b>\$120,000</b>	<b>\$2,048,000</b>	<b>\$2,098,600</b>	<b>\$807,225</b>	<b>\$2,210,600</b>	<b>\$1,366,549</b>	<b>\$9,889,526</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$42,466	\$6,000	\$97,524	\$99,933	\$38,439	\$105,267	\$65,075	\$454,704
Construction	\$889,835	\$114,000	\$1,950,476	\$1,998,667	\$768,786	\$2,105,333	\$1,301,474	\$9,128,571
Design	\$306,252	-	-	-	-	-	-	\$306,252
<b>Total</b>	<b>\$1,238,552</b>	<b>\$120,000</b>	<b>\$2,048,000</b>	<b>\$2,098,600</b>	<b>\$807,225</b>	<b>\$2,210,600</b>	<b>\$1,366,549</b>	<b>\$9,889,526</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$358,997	\$150,000	-	-	-	-	-	\$508,997
Capital - General Fund	\$3,556	\$8,000	-	-	-	-	-	\$11,556
<b>Total:</b>	<b>\$362,552</b>	<b>\$158,000</b>	-	-	-	-	-	<b>\$520,552</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$13,945	\$7,543	-	-	-	-	-	\$21,488
Construction	\$344,944	\$150,457	-	-	-	-	-	\$495,401
Design	\$3,663	-	-	-	-	-	-	\$3,663
<b>Total</b>	<b>\$362,552</b>	<b>\$158,000</b>	-	-	-	-	-	<b>\$520,552</b>



**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$401,852	\$1,100,000	-	-	-	-	-	\$1,501,852
<b>Total:</b>	<b>\$401,852</b>	<b>\$1,100,000</b>	-	-	-	-	-	<b>\$1,501,852</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$26,605	\$23,810	-	-	-	-	-	\$50,415
Construction	\$262,530	\$1,076,190	-	-	-	-	-	\$1,338,720
Design	\$112,718	-	-	-	-	-	-	\$112,718
<b>Total</b>	<b>\$401,852</b>	<b>\$1,100,000</b>	-	-	-	-	-	<b>\$1,501,852</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	\$265,284	-	\$80,640	\$82,633	\$84,759	\$87,043	\$141,885	\$742,244
<b>Total:</b>	<b>\$265,284</b>	<b>-</b>	<b>\$80,640</b>	<b>\$82,633</b>	<b>\$84,759</b>	<b>\$87,043</b>	<b>\$141,885</b>	<b>\$742,244</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$9,318	-	\$3,840	\$3,935	\$4,036	\$4,145	\$6,756	\$32,030
Construction	\$247,966	-	\$76,800	\$78,698	\$80,723	\$82,898	\$135,129	\$702,214
Design	\$8,000	-	-	-	-	-	-	\$8,000
<b>Total</b>	<b>\$265,284</b>	<b>-</b>	<b>\$80,640</b>	<b>\$82,633</b>	<b>\$84,759</b>	<b>\$87,043</b>	<b>\$141,885</b>	<b>\$742,244</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2012 Park Bond	-	\$250,000	-	-	-	-	-	\$250,000
Capital - General Fund	\$350,892	\$100,000	\$266,240	-	-	-	-	\$717,132
<b>Total:</b>	<b>\$350,892</b>	<b>\$350,000</b>	<b>\$266,240</b>	-	-	-	-	<b>\$967,132</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Direct Expenses	-	\$100,000	\$266,240	-	-	-	-	\$366,240
Purchases	\$350,892	\$250,000	-	-	-	-	-	\$600,892
<b>Total</b>	<b>\$350,892</b>	<b>\$350,000</b>	<b>\$266,240</b>	-	-	-	-	<b>\$967,132</b>

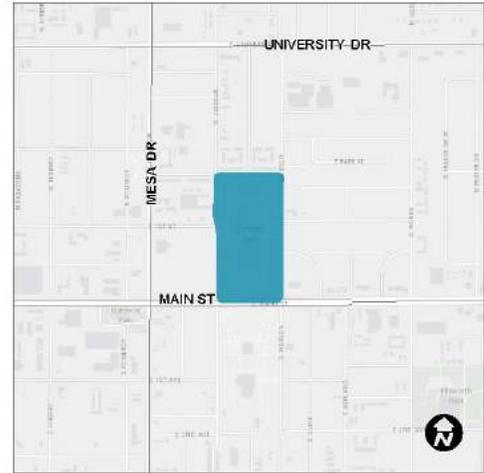
## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$922,342	\$6,999,992	-	-	-	-	-	\$7,922,334
Environmental Compliance Fee	\$36,063	-	-	-	-	-	-	\$36,063
<b>Total:</b>	<b>\$958,405</b>	<b>\$6,999,992</b>	-	-	-	-	-	<b>\$7,958,397</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$35,790	\$333,333	-	-	-	-	-	\$369,123
Construction	\$161,418	\$6,666,659	-	-	-	-	-	\$6,828,077
Design	\$753,780	-	-	-	-	-	-	\$753,780
Direct Expenses	\$7,417	-	-	-	-	-	-	\$7,417
<b>Total</b>	<b>\$958,405</b>	<b>\$6,999,992</b>	-	-	-	-	-	<b>\$7,958,397</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Parks & Recreation**

**CP0486 - Playground Improvements**

***Project Description***

Replace aging park playgrounds with upgraded equipment meeting current safety/accessibility requirements. Playground designs will be chosen to stimulate activity. Some sites are targeted for full renovation and others for minor improvements.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$122,341	-	-	-	-	-	-	\$122,341
Capital - General Fund	\$84,930	\$250,000	\$427,731	\$236,456	\$565,058	\$290,141	\$2,505,123	\$4,359,439
<b>Total:</b>	<b>\$207,272</b>	<b>\$250,000</b>	<b>\$427,731</b>	<b>\$236,456</b>	<b>\$565,058</b>	<b>\$290,141</b>	<b>\$2,505,123</b>	<b>\$4,481,781</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$8,555	\$12,500	\$20,368	\$11,260	\$26,908	\$13,816	\$119,293	\$212,700
Construction	\$176,579	\$237,500	\$407,363	\$225,196	\$538,150	\$276,325	\$2,385,830	\$4,246,943
Design	\$22,138	-	-	-	-	-	-	\$22,138
<b>Total</b>	<b>\$207,272</b>	<b>\$250,000</b>	<b>\$427,731</b>	<b>\$236,456</b>	<b>\$565,058</b>	<b>\$290,141</b>	<b>\$2,505,123</b>	<b>\$4,481,781</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Parks & Recreation**

**CP0300 - Playground Upgrades**

**Project Description**

Replace aging park playgrounds with upgraded equipment meeting current safety/accessibility requirements. Playground designs will be chosen to stimulate activity. Some sites are targeted for full renovation, others for minor improvements.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$1,056,159	-	-	-	-	-	-	\$1,056,159
Capital - General Fund	\$249,887	\$17,555	-	-	-	-	-	\$267,442
<b>Total:</b>	<b>\$1,306,046</b>	<b>\$17,555</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,323,601</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$51,443	\$5,573	-	-	-	-	-	\$57,016
Construction	\$1,185,642	\$11,120	-	-	-	-	-	\$1,196,762
Design	\$68,961	\$862	-	-	-	-	-	\$69,823
<b>Total</b>	<b>\$1,306,046</b>	<b>\$17,555</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,323,601</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Parks & Recreation**

**CP0487 - Pool Improvements**

***Project Description***

Complete planned pool improvements to existing facilities such as filter replacements and pool replastering. Minor upgrades to existing pools include deck drain improvements and shade replacements.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$533,939	\$179,985	\$147,840	\$702,375	\$1,401,343	\$1,105,300	\$2,133,085	\$6,203,867
<b>Total:</b>	<b>\$533,939</b>	<b>\$179,985</b>	<b>\$147,840</b>	<b>\$702,375</b>	<b>\$1,401,343</b>	<b>\$1,105,300</b>	<b>\$2,133,085</b>	<b>\$6,203,867</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$25,375	\$8,607	\$7,040	\$33,446	\$66,731	\$52,633	\$101,576	\$295,408
Construction	\$496,690	\$171,378	\$140,800	\$668,929	\$1,334,612	\$1,052,667	\$2,031,509	\$5,896,585
Design	\$10,289	-	-	-	-	-	-	\$10,289
Direct Expenses	\$1,585	-	-	-	-	-	-	\$1,585
<b>Total</b>	<b>\$533,939</b>	<b>\$179,985</b>	<b>\$147,840</b>	<b>\$702,375</b>	<b>\$1,401,343</b>	<b>\$1,105,300</b>	<b>\$2,133,085</b>	<b>\$6,203,867</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**Parks & Recreation**

**CP0488 - Recreation Facility Improvements**

***Project Description***

Improve existing sports complexes and recreation centers throughout Mesa. Fitness equipment will be upgraded, scoreboards will be replaced, gym and court surfaces will be upgraded as existing equipment reaches the end of service life.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	\$199,869	\$651,294	\$741,888	\$209,335	\$406,841	\$394,592	\$409,280	\$3,013,099
Hohokam/Fitch Sports Complex	\$713	-	-	-	-	-	-	\$713
<b>Total:</b>	<b>\$200,581</b>	<b>\$651,294</b>	<b>\$741,888</b>	<b>\$209,335</b>	<b>\$406,841</b>	<b>\$394,592</b>	<b>\$409,280</b>	<b>\$3,013,811</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$7,843	\$32,477	\$35,328	\$9,968	\$19,373	\$18,790	\$19,490	\$143,269
Construction	\$136,563	\$618,817	\$706,560	\$199,367	\$387,468	\$375,802	\$389,790	\$2,814,367
Design	\$56,175	-	-	-	-	-	-	\$56,175
<b>Total</b>	<b>\$200,581</b>	<b>\$651,294</b>	<b>\$741,888</b>	<b>\$209,335</b>	<b>\$406,841</b>	<b>\$394,592</b>	<b>\$409,280</b>	<b>\$3,013,811</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Cubs Spring Training Facility	-	\$197,190	-	-	-	-	-	\$197,190
<b>Total:</b>	-	<b>\$197,190</b>	-	-	-	-	-	<b>\$197,190</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$9,390	-	-	-	-	-	\$9,390
Construction	-	\$167,765	-	-	-	-	-	\$167,765
Design	-	\$20,035	-	-	-	-	-	\$20,035
<b>Total</b>	-	<b>\$197,190</b>	-	-	-	-	-	<b>\$197,190</b>

**Parks & Culture Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$4,056	\$1,202,111	-	-	-	-	-	\$1,206,167
Capital - General Fund	\$3,096	-	-	-	-	-	-	\$3,096
Highway User Revenue Fund	\$104	-	-	-	-	-	-	\$104
<b>Total:</b>	<b>\$7,256</b>	<b>\$1,202,111</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,209,367</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$286	\$60,100	-	-	-	-	-	\$60,386
Construction	\$427	\$1,139,011	-	-	-	-	-	\$1,139,438
Design	\$6,543	-	-	-	-	-	-	\$6,543
Direct Expenses	-	\$3,000	-	-	-	-	-	\$3,000
<b>Total</b>	<b>\$7,256</b>	<b>\$1,202,111</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,209,367</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$181,225	\$59,787	\$61,325	\$62,978	\$268,241	\$633,556
General Fund	-	-	\$58,724	\$62,021	\$63,617	\$65,331	\$278,264	\$527,957
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>\$239,949</b>	<b>\$121,808</b>	<b>\$124,942</b>	<b>\$128,309</b>	<b>\$546,505</b>	<b>\$1,161,513</b>

## Parks & Culture Major Program Detail Fiscal Years 2018 - 2022

### Parks & Recreation

#### CP0716 - Sloan Park Capital Improvements

##### *Project Description*

Complete capital improvements needed at Sloan park and adjacent practice facilities.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Cubs Spring Training Facility	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total:</b>	-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	-	\$25,000	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$249,070
<b>Total</b>	-	<b>\$25,000</b>	<b>\$25,600</b>	<b>\$26,233</b>	<b>\$26,908</b>	<b>\$27,633</b>	<b>\$117,696</b>	<b>\$249,070</b>





# City of Mesa

Five-Year Capital Improvement Program  
FY 2018 - 2022

## PARKS & CULTURE PROJECTS

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

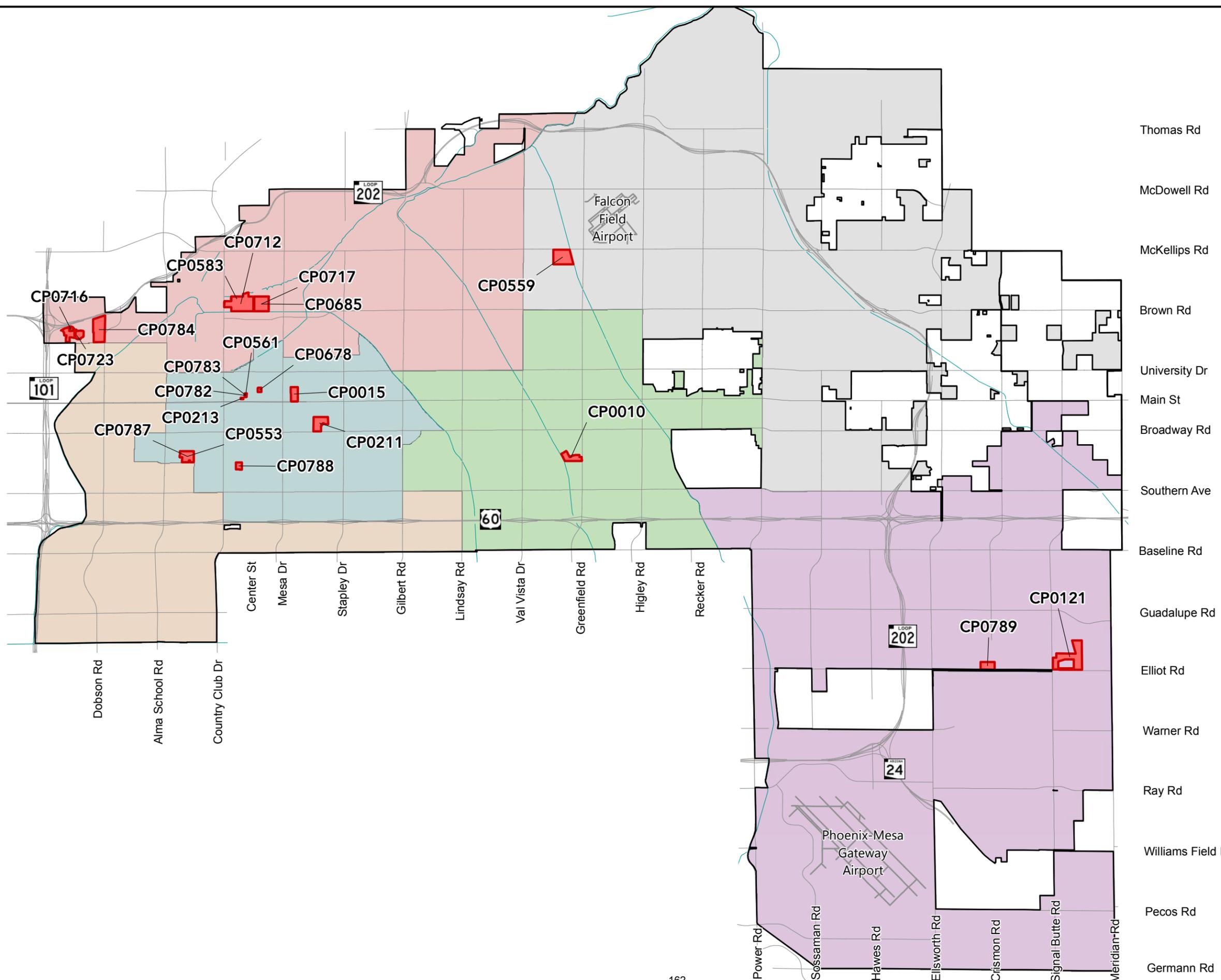
### Citywide, External or Location TBD Projects

- CN0009 CP0486
- CP0300 CP0487
- CP0303 CP0488
- CP0485 CP0786



MAP CREATION DATE: 6/7/2017  
MAP CREATED BY: Engineering-GIS

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# Public Safety

CAPITAL  
IMPROVEMENT  
PROGRAM  
OVERVIEW

MAJOR PROGRAM  
SUMMARY-  
CAPITAL  
EXPENDITURES

MAJOR PROGRAM SUMMARY-  
START-UP AND  
OPERATIONAL  
EXPENSE

GENERAL  
GOVERNMENT

PARKS AND  
CULTURE

PUBLIC SAFETY

TRANSPORTATION

UTILITIES

FISCAL YEARS

# 2018-2022

MESA, ARIZONA

# Project Detail Pages

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## **Public Safety**

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**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CN0023 - Radio Network Upgrade - Mesa Share**

***Project Description***

Upgrade the public safety radio system network. The current system is no longer supported by the manufacturer and needs to be upgrade. The upgrade will ensure system reliability for the TWRC.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2013 Public Safety Bond	\$2,200,000	-	-	-	-	-	-	\$2,200,000
Capital - General Fund	\$88,741	\$325,371	\$333,180	\$341,412	-	-	-	\$1,088,704
<b>Total:</b>	<b>\$2,288,741</b>	<b>\$325,371</b>	<b>\$333,180</b>	<b>\$341,412</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,288,704</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Purchases	\$2,288,741	\$325,371	\$333,180	\$341,412	-	-	-	\$3,288,704
<b>Total</b>	<b>\$2,288,741</b>	<b>\$325,371</b>	<b>\$333,180</b>	<b>\$341,412</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,288,704</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**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 and needs to be upgrade. The upgrade will ensure system reliability for the Topaz Regional Wireless Cooperative.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Topaz Capital Programs	-	\$433,828	\$444,240	\$455,216	-	-	-	\$1,333,284
TOPAZ Joint Venture Fund	\$4,067,655	-	-	-	-	-	-	\$4,067,655
<b>Total:</b>	<b>\$4,067,655</b>	<b>\$433,828</b>	<b>\$444,240</b>	<b>\$455,216</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,400,939</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Purchases	\$4,067,655	\$433,828	\$444,240	\$455,216	-	-	-	\$5,400,939
<b>Total</b>	<b>\$4,067,655</b>	<b>\$433,828</b>	<b>\$444,240</b>	<b>\$455,216</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,400,939</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CP0699 - TOPAZ Transmission Lines/Antennas**

***Project Description***

Replace the aging TOPAZ transmission lines and antennas at all nine public safety communications towers.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Topaz Capital Programs	-	-	\$215,040	\$220,353	-	-	-	\$435,393
<b>Total:</b>	-	-	<b>\$215,040</b>	<b>\$220,353</b>	-	-	-	<b>\$435,393</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	\$10,240	\$10,493	-	-	-	\$20,733
Direct Expenses	-	-	\$204,800	\$209,860	-	-	-	\$414,660
<b>Total</b>	-	-	<b>\$215,040</b>	<b>\$220,353</b>	-	-	-	<b>\$435,393</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CP0305 - TOPAZ VHF Radio System**

***Project Description***

Complete the infrastructure buildout to make the VHF Radio System operational for the regional wireless public safety communications network.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Topaz Capital Programs	\$1,354,215	\$675,976	-	-	-	-	-	\$2,030,191
<b>Total:</b>	<b>\$1,354,215</b>	<b>\$675,976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,030,191</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$58,511	\$24,808	-	-	-	-	-	\$83,319
Direct Expenses	\$1,295,704	-	-	-	-	-	-	\$1,295,704
Purchases	-	\$651,168	-	-	-	-	-	\$651,168
<b>Total</b>	<b>\$1,354,215</b>	<b>\$675,976</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,030,191</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CP0093 - TOPAZ 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	-	\$13,335	\$645,120	-	-	-	-	\$658,455
Topaz Capital Programs	\$43,316	\$240,000	-	-	-	-	-	\$283,316
<b>Total:</b>	<b>\$43,316</b>	<b>\$253,335</b>	<b>\$645,120</b>	-	-	-	-	<b>\$941,771</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$1,494	\$635	\$30,720	-	-	-	-	\$32,849
Construction	\$41,822	\$252,700	\$614,400	-	-	-	-	\$908,922
<b>Total</b>	<b>\$43,316</b>	<b>\$253,335</b>	<b>\$645,120</b>	-	-	-	-	<b>\$941,771</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CN0021 - VHF Radio System - Mesa Share**

***Project Description***

Complete the infrastructure buildout to make the VHF Radio System operational for the regional wireless public safety communications network.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	\$1,005,700	\$452,272	-	-	-	-	-	\$1,457,972
<b>Total:</b>	<b>\$1,005,700</b>	<b>\$452,272</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,457,972</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Design	\$110,168	-	-	-	-	-	-	\$110,168
Direct Expenses	\$895,532	-	-	-	-	-	-	\$895,532
Purchases	-	\$452,272	-	-	-	-	-	\$452,272
<b>Total</b>	<b>\$1,005,700</b>	<b>\$452,272</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,457,972</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Communications**

**CN0034 - Wireless Backhaul Mircowaves - Mesa Share**

***Project Description***

Replace the backbone microwave radios for the public safety communications network. These radios are no longer supported by the manufacturer.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	-	\$285,001	\$241,920	-	-	-	-	\$526,921
<b>Total:</b>	-	<b>\$285,001</b>	<b>\$241,920</b>	-	-	-	-	<b>\$526,921</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Construction	-	\$285,001	\$241,920	-	-	-	-	\$526,921
<b>Total</b>	-	<b>\$285,001</b>	<b>\$241,920</b>	-	-	-	-	<b>\$526,921</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Environment and Sustainability**

**CP0588 - Household Hazardous Waste Facility**

**Project Description**

Construct a permanent HHW Facility to better serve city residents.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
1994 Solid Waste Bond	\$1,620	\$3,368,000	-	-	-	-	-	\$3,369,620
Environmental Compliance Fee	\$246,282	\$136,760	-	-	-	-	-	\$383,042
<b>Total:</b>	<b>\$247,901</b>	<b>\$3,504,760</b>	-	-	-	-	-	<b>\$3,752,661</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$8,606	\$174,912	-	-	-	-	-	\$183,518
Construction	\$2,665	\$3,199,600	-	-	-	-	-	\$3,202,265
Design	\$236,631	\$130,248	-	-	-	-	-	\$366,879
<b>Total</b>	<b>\$247,901</b>	<b>\$3,504,760</b>	-	-	-	-	-	<b>\$3,752,661</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$250,000	-	-	-	-	-	\$250,000
<b>Total:</b>	-	<b>\$250,000</b>	-	-	-	-	-	<b>\$250,000</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Fire and Medical**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2008 Public Safety Bond	\$1,000,000	-	-	-	-	-	-	\$1,000,000
2013 Public Safety Bond	\$6,768,161	-	-	-	-	-	-	\$6,768,161
Capital - General Fund	\$246,167	-	-	-	-	-	-	\$246,167
Grants - Gen. Gov.	\$25,941	\$453,152	-	-	-	-	-	\$479,093
<b>Total:</b>	<b>\$8,040,270</b>	<b>\$453,152</b>	-	-	-	-	-	<b>\$8,493,422</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$322,153	-	-	-	-	-	-	\$322,153
Construction	\$6,819,625	-	-	-	-	-	-	\$6,819,625
Construction-Grant	\$24,920	\$453,152	-	-	-	-	-	\$478,072
Design	\$857,987	-	-	-	-	-	-	\$857,987
Direct Expenses	\$15,586	-	-	-	-	-	-	\$15,586
<b>Total</b>	<b>\$8,040,270</b>	<b>\$453,152</b>	-	-	-	-	-	<b>\$8,493,422</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Capital - General Fund	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total:</b>	-	<b>\$150,000</b>	-	-	-	-	-	<b>\$150,000</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$7,143	-	-	-	-	-	\$7,143
Construction	-	\$142,857	-	-	-	-	-	\$142,857
<b>Total</b>	-	<b>\$150,000</b>	-	-	-	-	-	<b>\$150,000</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Public Safety Bond	\$233,755	\$185,494	-	-	-	-	-	\$419,249
Capital - General Fund	\$425	\$9,275	-	-	-	-	-	\$9,700
<b>Total:</b>	<b>\$234,180</b>	<b>\$194,769</b>	-	-	-	-	-	<b>\$428,949</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$11,087	\$9,275	-	-	-	-	-	\$20,362
Construction	\$208,430	\$185,494	-	-	-	-	-	\$393,924
Design	\$14,663	-	-	-	-	-	-	\$14,663
<b>Total</b>	<b>\$234,180</b>	<b>\$194,769</b>	-	-	-	-	-	<b>\$428,949</b>

**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Police**

**CP0542 - Central Community Media Room**

***Project Description***

Install audio visual presentation equipment including camera, monitors, and sound systems to allow for news conferences.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$111,340	\$29,600	-	-	-	-	-	\$140,940
<b>Total:</b>	<b>\$111,340</b>	<b>\$29,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$140,940</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$4,456	-	-	-	-	-	-	\$4,456
Construction	\$106,883	-	-	-	-	-	-	\$106,883
Purchases	-	\$29,600	-	-	-	-	-	\$29,600
<b>Total</b>	<b>\$111,340</b>	<b>\$29,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$140,940</b>

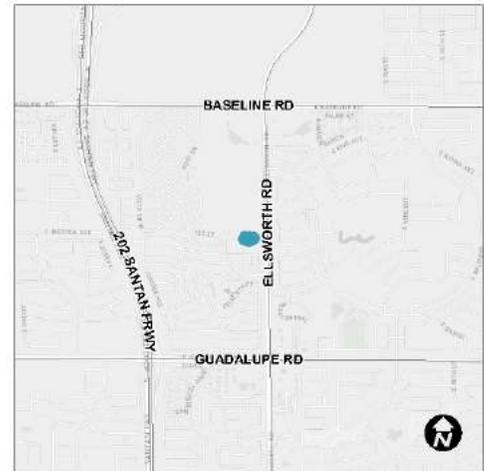
**Public Safety Major Program Detail  
Fiscal Years 2018 - 2022**

**Police**

**CP0596 - Superstition Investigations Area Renovation**

**Project Description**

Renovate the Police Department's Superstition District Investigations area. In addition to improving existing offices, improvements include new work areas and updated flooring and paint.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	\$161,571	\$83,433	-	-	-	-	-	\$245,004
<b>Total:</b>	<b>\$161,571</b>	<b>\$83,433</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$245,004</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$6,243	\$6,783	-	-	-	-	-	\$13,026
Construction	\$155,327	\$76,650	-	-	-	-	-	\$231,977
<b>Total</b>	<b>\$161,571</b>	<b>\$83,433</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$245,004</b>





# City of Mesa

Five-Year Capital Improvement Program  
FY 2018 - 2022

## PUBLIC SAFETY

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

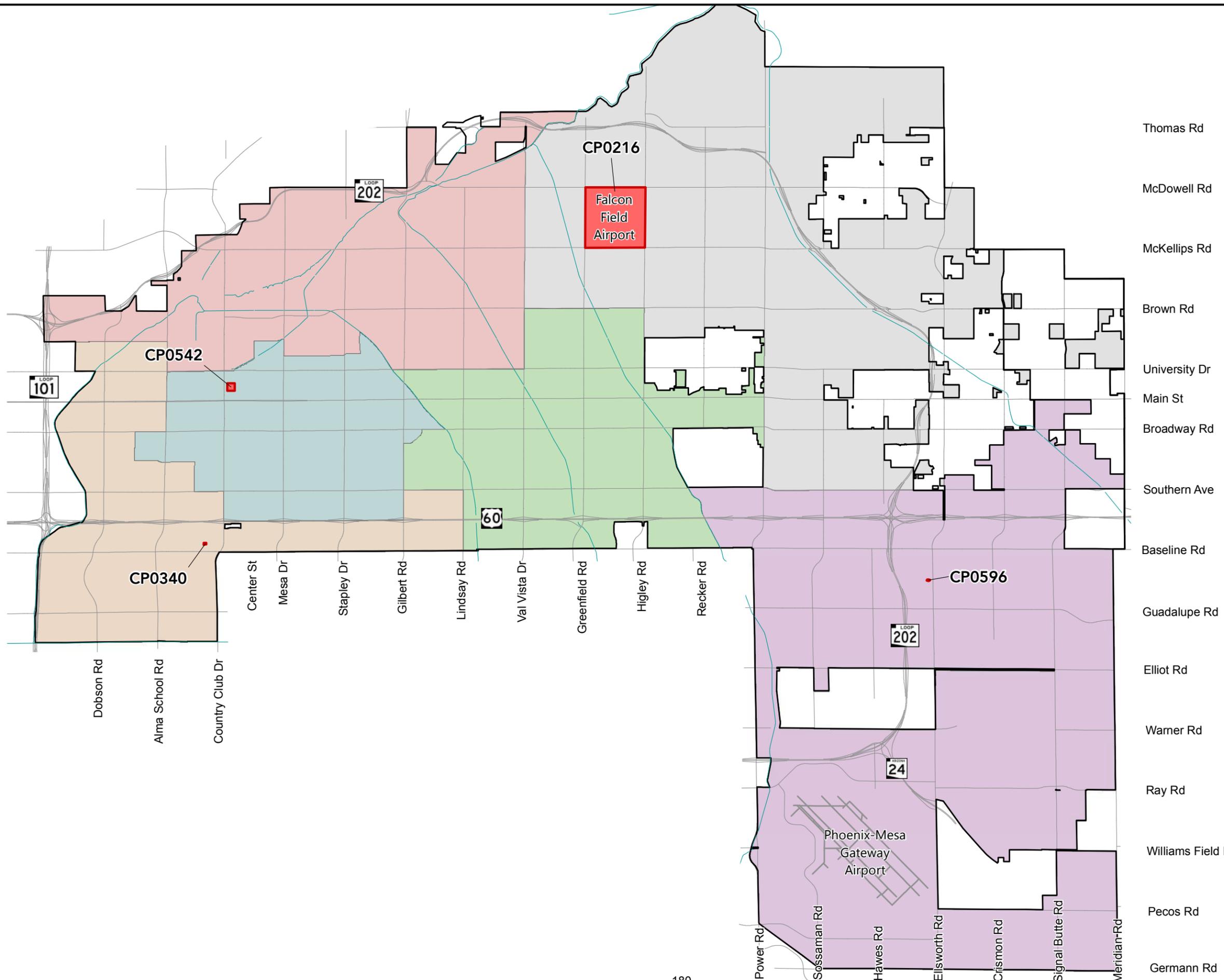
### Citywide, External or Location TBD Projects

CN0021	CN0052	CP0737
CN0022	CN0054	CP0747
CN0023	CP0091	CP0754
CN0032	CP0093	CP0755
CN0034	CP0305	CP0779
CN0038	CP0438	
CN0048	CP0699	



MAP CREATION DATE: 6/7/2017  
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

# Transportation

CAPITAL  
IMPROVEMENT  
PROGRAM  
OVERVIEW

MAJOR PROGRAM  
SUMMARY-  
CAPITAL  
EXPENDITURES

MAJOR PROGRAM SUMMARY-  
START-UP AND  
OPERATIONAL  
EXPENSE

GENERAL  
GOVERNMENT

PARKS AND  
CULTURE

PUBLIC SAFETY

TRANSPORTATION

UTILITIES

FISCAL YEARS

# 2018-2022

MESA, ARIZ ONA

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**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$13,313	\$9,405	\$126,065	-	-	-	-	\$148,783
Falcon Field Grants	\$84,274	\$66,091	\$1,271,695	-	-	-	-	\$1,422,060
General Fund	\$200	-	-	-	-	-	-	\$200
<b>Total:</b>	<b>\$97,786</b>	<b>\$75,496</b>	<b>\$1,397,760</b>	-	-	-	-	<b>\$1,571,042</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$4,149	\$2,062	\$66,560	-	-	-	-	\$72,771
Construction	-	-	\$1,331,200	-	-	-	-	\$1,331,200
Design	\$93,637	\$73,434	-	-	-	-	-	\$167,071
<b>Total</b>	<b>\$97,786</b>	<b>\$75,496</b>	<b>\$1,397,760</b>	-	-	-	-	<b>\$1,571,042</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$11,062	\$667,515	-	-	-	-	-	\$678,577
Falcon Field Grants	-	\$2,674,840	-	-	-	-	-	\$2,674,840
<b>Total:</b>	<b>\$11,062</b>	<b>\$3,342,355</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,353,417</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$232	\$159,200	-	-	-	-	-	\$159,432
Construction	-	\$2,800,000	-	-	-	-	-	\$2,800,000
Design	\$10,829	\$383,155	-	-	-	-	-	\$393,984
<b>Total</b>	<b>\$11,062</b>	<b>\$3,342,355</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,353,417</b>

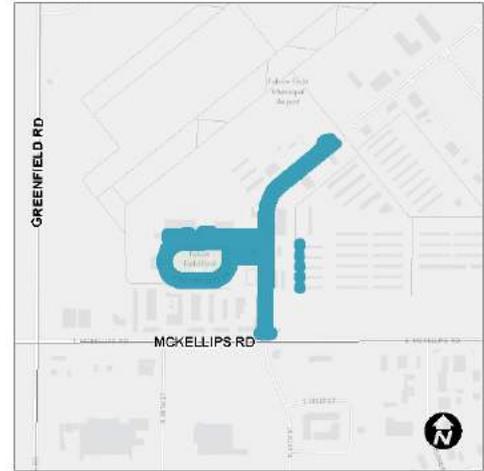
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Falcon Field Airport

#### C09036 - Airport Historic Zone Improvements

##### Project Description

Construct improvements to the landscaping 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$11,759	-	-	-	-	-	-	\$11,759
Falcon Field Airport	\$592,803	\$1,646,441	-	-	-	-	-	\$2,239,244
<b>Total:</b>	<b>\$604,561</b>	<b>\$1,646,441</b>	-	-	-	-	-	<b>\$2,251,002</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$27,538	\$171,183	-	-	-	-	-	\$198,721
Construction	\$360,222	\$1,453,850	-	-	-	-	-	\$1,814,072
Design	\$216,801	\$11,408	-	-	-	-	-	\$228,209
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	<b>\$604,561</b>	<b>\$1,646,441</b>	-	-	-	-	-	<b>\$2,251,002</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Falcon Field Airport

#### CP0759 - Airport Weather Observation System

##### *Project Description*

Install automated weather system to provide 24-hour weather information to pilots.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	-	-	-	-	\$31,402	-	\$31,402
Falcon Field Grants	-	-	-	-	-	\$316,768	-	\$316,768
<b>Total:</b>	-	-	-	-	-	<b>\$348,170</b>	-	<b>\$348,170</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	-	\$16,580	-	\$16,580
Construction	-	-	-	-	-	\$331,590	-	\$331,590
<b>Total</b>	-	-	-	-	-	<b>\$348,170</b>	-	<b>\$348,170</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$112,119	-	-	\$112,119
Falcon Field Grants	-	-	-	-	\$1,131,008	-	-	\$1,131,008
<b>Total:</b>	-	-	-	-	<b>\$1,243,127</b>	-	-	<b>\$1,243,127</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$59,197	-	-	\$59,197
Construction	-	-	-	-	\$1,183,930	-	-	\$1,183,930
<b>Total</b>	-	-	-	-	<b>\$1,243,127</b>	-	-	<b>\$1,243,127</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$162,597	\$4,975	-	-	-	-	-	\$167,572
<b>Total:</b>	<b>\$162,597</b>	<b>\$4,975</b>	-	-	-	-	-	<b>\$167,572</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$7,322	\$1,133	-	-	-	-	-	\$8,455
Construction	\$124,130	\$3,842	-	-	-	-	-	\$127,972
Design	\$31,145	-	-	-	-	-	-	\$31,145
<b>Total</b>	<b>\$162,597</b>	<b>\$4,975</b>	-	-	-	-	-	<b>\$167,572</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$36,296	\$39,918	-	-	-	-	-	\$76,214
Falcon Field Grants	\$228,577	\$230,936	-	-	-	-	-	\$459,513
<b>Total:</b>	<b>\$264,873</b>	<b>\$270,854</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$535,727</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$10,899	\$16,715	-	-	-	-	-	\$27,614
Construction-Grant	\$194,905	\$243,160	-	-	-	-	-	\$438,065
Design	\$59,069	\$10,979	-	-	-	-	-	\$70,048
<b>Total</b>	<b>\$264,873</b>	<b>\$270,854</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$535,727</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	\$157,500	-	-	-	-	-	\$157,500
<b>Total:</b>	-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$7,500	-	-	-	-	-	\$7,500
Construction	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total</b>	-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$449,394	\$1,084,395	-	\$1,533,789
<b>Total:</b>	-	-	-	-	<b>\$449,394</b>	<b>\$1,084,395</b>	-	<b>\$1,533,789</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$21,400	\$51,637	-	\$73,037
Construction	-	-	-	-	-	\$1,032,758	-	\$1,032,758
Design	-	-	-	-	\$427,994	-	-	\$427,994
<b>Total</b>	-	-	-	-	<b>\$449,394</b>	<b>\$1,084,395</b>	-	<b>\$1,533,789</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Falcon Field Airport

#### C06020 - East Side 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	-	-	-	-	\$31,402	\$303,704	\$335,106
Falcon Field Grants	-	-	-	-	-	\$316,768	\$3,063,656	\$3,380,424
<b>Total:</b>	-	-	-	-	-	<b>\$348,170</b>	<b>\$3,367,360</b>	<b>\$3,715,530</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	-	\$16,580	\$160,350	\$176,930
Construction	-	-	-	-	-	-	\$3,207,010	\$3,207,010
Design	-	-	-	-	-	\$331,590	-	\$331,590
<b>Total</b>	-	-	-	-	-	<b>\$348,170</b>	<b>\$3,367,360</b>	<b>\$3,715,530</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$4,962	\$89,615	-	-	-	-	-	\$94,577
Falcon Field Grants	-	\$716,475	-	-	-	-	-	\$716,475
<b>Total:</b>	<b>\$4,962</b>	<b>\$806,090</b>	-	-	-	-	-	<b>\$811,052</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$141	\$38,412	-	-	-	-	-	\$38,553
Design	\$4,821	\$767,678	-	-	-	-	-	\$772,499
<b>Total</b>	<b>\$4,962</b>	<b>\$806,090</b>	-	-	-	-	-	<b>\$811,052</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$97,662	\$101,249	-	-	-	-	-	\$198,911
<b>Total:</b>	<b>\$97,662</b>	<b>\$101,249</b>	-	-	-	-	-	<b>\$198,911</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$4,417	\$5,426	-	-	-	-	-	\$9,843
Design	\$93,245	\$95,823	-	-	-	-	-	\$189,068
<b>Total</b>	<b>\$97,662</b>	<b>\$101,249</b>	-	-	-	-	-	<b>\$198,911</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Falcon Field Airport**

**CP0400 - Runway 22R Approach Easement**

***Project Description***

Acquire aviation easement for Runway 22R Approach.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Falcon Field Airport	-	-	-	\$86,014	-	-	-	\$86,014
Falcon Field Grants	-	-	-	\$516,087	-	-	-	\$516,087
<b>Total:</b>	-	-	-	<b>\$602,101</b>	-	-	-	<b>\$602,101</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	-	\$28,671	-	-	-	\$28,671
Design	-	-	-	\$573,430	-	-	-	\$573,430
<b>Total</b>	-	-	-	<b>\$602,101</b>	-	-	-	<b>\$602,101</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Falcon Field Airport

#### CP0398 - Runway Protection Zone Improvements

##### *Project Description*

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



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$36,354	-	-	\$19,874	\$122,311	-	-	\$178,539
Falcon Field Grants	-	-	-	\$200,479	\$1,233,827	-	-	\$1,434,306
<b>Total:</b>	<b>\$36,354</b>	<b>-</b>	<b>-</b>	<b>\$220,353</b>	<b>\$1,356,138</b>	<b>-</b>	<b>-</b>	<b>\$1,612,845</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$970	-	-	\$10,493	\$64,578	-	-	\$76,041
Construction	-	-	-	-	\$1,291,560	-	-	\$1,291,560
Design	\$35,384	-	-	\$209,860	-	-	-	\$245,244
<b>Total</b>	<b>\$36,354</b>	<b>-</b>	<b>-</b>	<b>\$220,353</b>	<b>\$1,356,138</b>	<b>-</b>	<b>-</b>	<b>\$1,612,845</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Falcon Field Airport

#### CP0397 - Safety Area Improvements

##### *Project Description*

Install rock for erosion control and construct various improvements to reduce wildlife activity.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	\$75,000	\$353,280	\$440,706	-	-	-	\$868,986
Falcon Field Grants	-	\$450,000	\$2,119,680	\$2,644,236	-	-	-	\$5,213,916
<b>Total:</b>	-	<b>\$525,000</b>	<b>\$2,472,960</b>	<b>\$3,084,942</b>	-	-	-	<b>\$6,082,902</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$25,000	\$117,760	\$146,902	-	-	-	\$289,662
Construction	-	-	\$2,355,200	\$2,938,040	-	-	-	\$5,293,240
Design	-	\$500,000	-	-	-	-	-	\$500,000
<b>Total</b>	-	<b>\$525,000</b>	<b>\$2,472,960</b>	<b>\$3,084,942</b>	-	-	-	<b>\$6,082,902</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$30,578	-	-	\$30,578
Falcon Field Grants	-	-	-	-	\$308,457	-	-	\$308,457
<b>Total:</b>	-	-	-	-	<b>\$339,035</b>	-	-	<b>\$339,035</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$16,145	-	-	\$16,145
Design	-	-	-	-	\$322,890	-	-	\$322,890
<b>Total</b>	-	-	-	-	<b>\$339,035</b>	-	-	<b>\$339,035</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$165,975	\$54,961	-	-	-	-	-	\$220,936
Falcon Field Grants	\$1,850,961	\$173,060	-	-	-	-	-	\$2,024,021
<b>Total:</b>	<b>\$2,016,936</b>	<b>\$228,021</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,244,957</b>

### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$79,366	\$46,806	-	-	-	-	-	\$126,172
Construction	\$1,937,570	\$181,215	-	-	-	-	-	\$2,118,785
<b>Total</b>	<b>\$2,016,936</b>	<b>\$228,021</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,244,957</b>



## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Falcon Field Airport	\$202,103	\$626,849	-	-	-	-	-	\$828,952
<b>Total:</b>	<b>\$202,103</b>	<b>\$626,849</b>	-	-	-	-	-	<b>\$828,952</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$8,559	\$30,391	-	-	-	-	-	\$38,950
Construction	\$7,937	\$595,125	-	-	-	-	-	\$603,062
Design	\$185,607	\$1,333	-	-	-	-	-	\$186,940
<b>Total</b>	<b>\$202,103</b>	<b>\$626,849</b>	-	-	-	-	-	<b>\$828,952</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Falcon Field Airport	-	\$157,500	-	-	-	-	-	\$157,500
<b>Total:</b>	-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	-	\$7,500	-	-	-	-	-	\$7,500
Construction	-	\$150,000	-	-	-	-	-	\$150,000
<b>Total</b>	-	<b>\$157,500</b>	-	-	-	-	-	<b>\$157,500</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Local Streets Sales Tax	-	-	-	-	\$734,575	-	-	\$734,575
<b>Total:</b>	-	-	-	-	\$734,575	-	-	\$734,575

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	-	-	\$34,980	-	-	\$34,980
Purchases	-	-	-	-	\$699,595	-	-	\$699,595
<b>Total</b>	-	-	-	-	\$734,575	-	-	\$734,575

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Grants - Gen. Gov.	\$533,817	\$731,719	-	-	-	-	-	\$1,265,536
Local Streets Sales Tax	\$81,235	\$128,011	-	-	-	-	-	\$209,246
<b>Total:</b>	<b>\$615,052</b>	<b>\$859,730</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,474,782</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$16,337	\$38,977	-	-	-	-	-	\$55,314
Construction	\$32,502	\$89,034	-	-	-	-	-	\$121,536
Construction-Grant	\$566,083	\$731,719	-	-	-	-	-	\$1,297,802
Design	(\$2,032)	-	-	-	-	-	-	(\$2,032)
Direct Expenses	\$2,161	-	-	-	-	-	-	\$2,161
<b>Total</b>	<b>\$615,052</b>	<b>\$859,730</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,474,782</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Intelligent Transportation System**

**CP0728 - ITS Traffic Signal Cabinets**

***Project Description***

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



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	-	-	-	-	\$898,629	-	\$898,629
Local Streets Sales Tax	-	-	-	-	\$61,381	\$621,645	-	\$683,026
<b>Total:</b>	-	-	-	-	<b>\$61,381</b>	<b>\$1,520,274</b>	-	<b>\$1,581,655</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$2,923	\$72,395	-	\$75,318
Construction	-	-	-	-	-	\$537,728	-	\$537,728
Construction- Grant	-	-	-	-	-	\$898,629	-	\$898,629
Design	-	-	-	-	\$58,458	-	-	\$58,458
Direct Expenses	-	-	-	-	-	\$11,522	-	\$11,522
<b>Total</b>	-	-	-	-	<b>\$61,381</b>	<b>\$1,520,274</b>	-	<b>\$1,581,655</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Intelligent Transportation System**

**CP0653 - Traffic Signal Cabinet & Controllers**

***Project Description***

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Grants - Gen. Gov.	-	\$780,000	-	-	-	-	-	\$780,000
Local Streets Sales Tax	\$12,862	\$682,546	-	-	-	-	-	\$695,408
<b>Total:</b>	<b>\$12,862</b>	<b>\$1,462,546</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,475,408</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$479	\$69,646	-	-	-	-	-	\$70,125
Construction	-	\$519,518	-	-	-	-	-	\$519,518
Construction-Grant	-	\$780,000	-	-	-	-	-	\$780,000
Design	\$11,929	\$42,958	-	-	-	-	-	\$54,887
Direct Expenses	-	\$10,424	-	-	-	-	-	\$10,424
Land Acquisition	\$455	\$40,000	-	-	-	-	-	\$40,455
<b>Total</b>	<b>\$12,862</b>	<b>\$1,462,546</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,475,408</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	\$361,852	\$2,155,111	\$1,612,283	\$1,652,118	\$1,694,630	\$1,740,290	\$7,412,412	\$16,628,696
<b>Total:</b>	<b>\$361,852</b>	<b>\$2,155,111</b>	<b>\$1,612,283</b>	<b>\$1,652,118</b>	<b>\$1,694,630</b>	<b>\$1,740,290</b>	<b>\$7,412,412</b>	<b>\$16,628,696</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$12,818	\$102,624	\$76,775	\$78,672	\$80,697	\$82,871	\$352,972	\$787,429
Construction	\$211,571	\$1,929,520	\$1,433,108	\$1,468,516	\$1,506,303	\$1,546,889	\$6,588,660	\$14,684,567
Design	\$137,211	\$122,967	\$102,400	\$104,930	\$107,630	\$110,530	\$470,780	\$1,156,448
Land Acquisition	\$253	-	-	-	-	-	-	\$253
<b>Total</b>	<b>\$361,852</b>	<b>\$2,155,111</b>	<b>\$1,612,283</b>	<b>\$1,652,118</b>	<b>\$1,694,630</b>	<b>\$1,740,290</b>	<b>\$7,412,412</b>	<b>\$16,628,696</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Highway User Revenue Fund	-	\$27,750	\$28,416	\$29,118	\$29,867	\$30,672	\$130,642	\$276,465
<b>Total:</b>	<b>-</b>	<b>\$27,750</b>	<b>\$28,416</b>	<b>\$29,118</b>	<b>\$29,867</b>	<b>\$30,672</b>	<b>\$130,642</b>	<b>\$276,465</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Intelligent Transportation System**

**CP0702 - Traffic Signals - Public Safety Opticom**

***Project Description***

Install public safety opticom technology on traffic signals.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Local Streets Sales Tax	\$5,860	\$640,000	\$327,680	\$335,776	\$344,416	\$353,696	\$1,506,496	\$3,513,924
<b>Total:</b>	<b>\$5,860</b>	<b>\$640,000</b>	<b>\$327,680</b>	<b>\$335,776</b>	<b>\$344,416</b>	<b>\$353,696</b>	<b>\$1,506,496</b>	<b>\$3,513,924</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$279	\$30,476	\$15,604	\$15,989	\$16,401	\$16,843	\$71,738	\$167,330
Construction	-	\$609,524	\$312,076	\$319,787	\$328,015	\$336,853	\$1,434,758	\$3,341,013
Design	\$5,581	-	-	-	-	-	-	\$5,581
<b>Total</b>	<b>\$5,860</b>	<b>\$640,000</b>	<b>\$327,680</b>	<b>\$335,776</b>	<b>\$344,416</b>	<b>\$353,696</b>	<b>\$1,506,496</b>	<b>\$3,513,924</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	-	\$745,200	\$387,072	-	-	-	-	\$1,132,272
<b>Total:</b>	-	<b>\$745,200</b>	<b>\$387,072</b>	-	-	-	-	<b>\$1,132,272</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$35,486	\$18,432	-	-	-	-	\$53,918
Construction	-	\$454,427	\$358,400	-	-	-	-	\$812,827
Design	-	\$250,287	\$5,120	-	-	-	-	\$255,407
Land Acquisition	-	\$5,000	\$5,120	-	-	-	-	\$10,120
<b>Total</b>	-	<b>\$745,200</b>	<b>\$387,072</b>	-	-	-	-	<b>\$1,132,272</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0274 - Consolidated Canal Pathway Lighting; Adobe to Lindsay

#### Project Description

Construct and install lighting along the consolidated canal from 8th Street to Lindsay Road. All of the underground work was completed as part of a previous project.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	\$75,528	\$742,350	-	-	-	-	-	\$817,878
<b>Total:</b>	<b>\$75,528</b>	<b>\$742,350</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$817,878</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$3,089	\$35,350	-	-	-	-	-	\$38,439
Construction	\$8,057	\$707,000	-	-	-	-	-	\$715,057
Design	\$64,382	-	-	-	-	-	-	\$64,382
<b>Total</b>	<b>\$75,528</b>	<b>\$742,350</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$817,878</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Local Streets Sales Tax	-	\$9,130	\$9,349	\$9,580	\$9,827	\$10,091	\$42,983	\$90,960
<b>Total:</b>	<b>-</b>	<b>\$9,130</b>	<b>\$9,349</b>	<b>\$9,580</b>	<b>\$9,827</b>	<b>\$10,091</b>	<b>\$42,983</b>	<b>\$90,960</b>

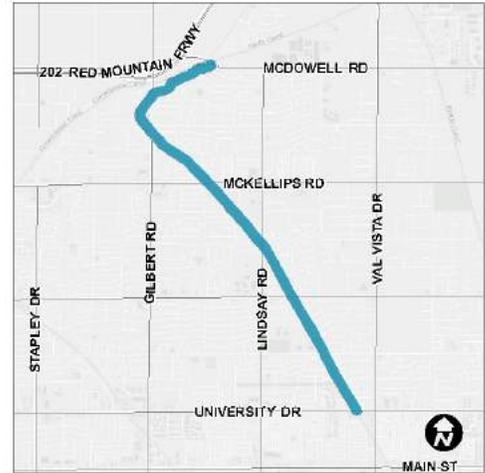
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0673 - East Canal Shared-Use Path; Gilbert to University

#### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	\$1,457,769	\$3,084,942	-	-	-	\$4,542,711
<b>Total:</b>	-	-	<b>\$1,457,769</b>	<b>\$3,084,942</b>	-	-	-	<b>\$4,542,711</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$69,417	\$146,902	-	-	-	\$216,319
Construction	-	-	-	\$2,938,040	-	-	-	\$2,938,040
Design	-	-	\$1,367,872	-	-	-	-	\$1,367,872
Land Acquisition	-	-	\$20,480	-	-	-	-	\$20,480
<b>Total</b>	-	-	<b>\$1,457,769</b>	<b>\$3,084,942</b>	-	-	-	<b>\$4,542,711</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$5,382	\$5,527	\$23,540	\$34,449
Highway User Revenue Fund	-	-	-	-	\$10,763	\$11,053	\$47,080	\$68,896
<b>Total:</b>	-	-	-	-	<b>\$16,145</b>	<b>\$16,580</b>	<b>\$70,620</b>	<b>\$103,345</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Shared Use Paths**

**CP0672 - Lehi Crossing Shared-Use Pathway**

***Project Description***

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2018 Street Bond	-	-	\$1,399,760	\$827,583	\$10,017,463	-	-	\$12,244,806
Local Streets Sales Tax	-	-	\$519,911	\$307,391	\$3,720,770	-	-	\$4,548,072
<b>Total:</b>	-	-	<b>\$1,919,671</b>	<b>\$1,134,974</b>	<b>\$13,738,233</b>	-	-	<b>\$16,792,878</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	\$91,412	\$54,047	\$654,202	-	-	\$799,661
Construction	-	-	-	\$955,011	\$13,084,031	-	-	\$14,039,042
Design	-	-	\$1,828,259	-	-	-	-	\$1,828,259
Land Acquisition	-	-	-	\$125,916	-	-	-	\$125,916
<b>Total</b>	-	-	<b>\$1,919,671</b>	<b>\$1,134,974</b>	<b>\$13,738,233</b>	-	-	<b>\$16,792,878</b>

**Operations & Maintenance Expenditures**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Fund Totals</b>
Environmental Compliance Fee	-	-	-	-	-	\$2,211	\$9,415	\$11,626
Highway User Revenue Fund	-	-	-	-	-	\$4,421	\$18,830	\$23,251
<b>Total:</b>	-	-	-	-	-	<b>\$6,632</b>	<b>\$28,245</b>	<b>\$34,877</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0671 - South Canal Shared-Use Path; Consolidated Canal to McDowell

#### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	-	-	-	-	-	\$2,445,879	\$2,445,879
Local Streets Sales Tax	\$13,074	\$298,900	-	-	-	-	\$365,903	\$677,877
<b>Total:</b>	<b>\$13,074</b>	<b>\$298,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,811,782</b>	<b>\$3,123,756</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$515	\$14,347	-	-	-	-	\$133,894	\$148,756
Construction	-	\$14,935	-	-	-	-	\$170,954	\$185,889
Construction-Grant	-	-	-	-	-	-	\$2,445,879	\$2,445,879
Design	\$12,559	\$269,618	-	-	-	-	-	\$282,177
Direct Expenses	-	-	-	-	-	-	\$61,055	\$61,055
<b>Total</b>	<b>\$13,074</b>	<b>\$298,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,811,782</b>	<b>\$3,123,756</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$9,415	\$17,926
Highway User Revenue Fund	-	-	\$4,096	\$4,197	\$4,305	\$4,421	\$18,830	\$35,849
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>\$6,144</b>	<b>\$6,296</b>	<b>\$6,458</b>	<b>\$6,632</b>	<b>\$28,245</b>	<b>\$53,775</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0198 - Southeast Mesa Shared-Use 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$156,278	\$1,439,228	-	-	-	-	-	\$1,595,506
<b>Total:</b>	<b>\$156,278</b>	<b>\$1,439,228</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,595,506</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$6,250	\$68,535	-	-	-	-	-	\$74,785
Construction	\$4,521	\$1,370,693	-	-	-	-	-	\$1,375,214
Design	\$145,450	-	-	-	-	-	-	\$145,450
Direct Expenses	\$57	-	-	-	-	-	-	\$57
<b>Total</b>	<b>\$156,278</b>	<b>\$1,439,228</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,595,506</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Local Streets								
Sales Tax	-	\$19,500	\$19,968	\$20,461	\$20,988	\$21,553	\$91,801	\$194,271
<b>Total:</b>	<b>-</b>	<b>\$19,500</b>	<b>\$19,968</b>	<b>\$20,461</b>	<b>\$20,988</b>	<b>\$21,553</b>	<b>\$91,801</b>	<b>\$194,271</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0734 - Southeast Mesa Shared-Use Path; Guadalupe to Baseline

#### Project Description

Construct pathway in ADOT's San Tan L202 Freeway within the right-of-way.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	-	\$10,500	\$1,620,845	-	-	-	-	\$1,631,345
<b>Total:</b>	-	<b>\$10,500</b>	<b>\$1,620,845</b>	-	-	-	-	<b>\$1,631,345</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$500	\$77,183	-	-	-	-	\$77,683
Construction	-	-	\$1,536,000	-	-	-	-	\$1,536,000
Design	-	\$10,000	-	-	-	-	-	\$10,000
Direct Expenses	-	-	\$1,095	-	-	-	-	\$1,095
Land Acquisition	-	-	\$6,567	-	-	-	-	\$6,567
<b>Total</b>	-	<b>\$10,500</b>	<b>\$1,620,845</b>	-	-	-	-	<b>\$1,631,345</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$2,099	\$2,153	\$2,211	\$9,415	\$15,878
Highway User Revenue Fund	-	-	-	\$4,197	\$4,305	\$4,421	\$18,830	\$31,753
<b>Total:</b>	-	-	-	<b>\$6,296</b>	<b>\$6,458</b>	<b>\$6,632</b>	<b>\$28,245</b>	<b>\$47,631</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Shared Use Paths

#### CP0529 - Southeast Mesa Shared-use Path (Segments 2-5)

#### Project Description

Construct segments two to five of this shared use path which are within ADOT's L202 Freeway right-of-way.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	\$179,558	\$469,730	\$1,781,315	\$2,092,731	\$2,145,934	\$6,669,268
Grants - Gen. Gov.	-	-	-	\$1,699,866	\$444,107	-	-	\$2,143,973
<b>Total:</b>	-	-	<b>\$179,558</b>	<b>\$2,169,596</b>	<b>\$2,225,422</b>	<b>\$2,092,731</b>	<b>\$2,145,934</b>	<b>\$8,813,241</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$8,550	\$103,314	\$105,972	\$99,654	\$102,187	\$419,677
Construction	-	-	-	\$1,888,740	\$1,937,340	\$1,989,540	\$2,040,120	\$7,855,740
Design	-	-	\$163,840	\$167,888	\$172,208	-	-	\$503,936
Direct Expenses	-	-	\$1,024	\$3,358	\$3,444	\$3,537	\$3,627	\$14,990
Land Acquisition	-	-	\$6,144	\$6,296	\$6,458	-	-	\$18,898
<b>Total</b>	-	-	<b>\$179,558</b>	<b>\$2,169,596</b>	<b>\$2,225,422</b>	<b>\$2,092,731</b>	<b>\$2,145,934</b>	<b>\$8,813,241</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$2,211	\$18,831	\$21,042
Highway User Revenue Fund	-	-	-	-	-	\$4,421	\$37,662	\$42,083
<b>Total:</b>	-	-	-	-	-	<b>\$6,632</b>	<b>\$56,493</b>	<b>\$63,125</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2012 Park Bond	\$1,230,105	\$2,258,119	-	-	-	-	-	\$4,488,224
<b>Total:</b>	<b>\$1,230,105</b>	<b>\$2,258,119</b>	-	-	-	-	-	<b>\$3,488,224</b>

### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$84,555	\$76,190	-	-	-	-	-	\$160,745
Construction	\$854,352	\$2,181,929	-	-	-	-	-	\$3,036,281
Design	\$286,689	-	-	-	-	-	-	\$286,689
Direct Expenses	\$4,509	-	-	-	-	-	-	\$4,509
<b>Total</b>	<b>\$1,230,105</b>	<b>\$2,258,119</b>	-	-	-	-	-	<b>\$3,488,224</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Shared Use Paths**

**CP0735 - Tempe Canal Shared-Use Path; University to Rio Salado**

**Project Description**

Construct a shared use pathway to complete a missing link in the regional non-motorized system.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	\$17,648	\$1,983,177	-	-	-	\$2,000,825
<b>Total:</b>	-	-	<b>\$17,648</b>	<b>\$1,983,177</b>	-	-	-	<b>\$2,000,825</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$841	\$94,437	-	-	-	\$95,278
Construction	-	-	-	\$1,888,740	-	-	-	\$1,888,740
Design	-	-	\$10,240	-	-	-	-	\$10,240
Land Acquisition	-	-	\$6,567	-	-	-	-	\$6,567
<b>Total</b>	-	-	<b>\$17,648</b>	<b>\$1,983,177</b>	-	-	-	<b>\$2,000,825</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$2,153	\$2,211	\$9,415	\$13,779
Highway User Revenue Fund	-	-	-	-	\$4,305	\$4,421	\$18,830	\$27,556
<b>Total:</b>	-	-	-	-	<b>\$6,458</b>	<b>\$6,632</b>	<b>\$28,245</b>	<b>\$41,335</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0558 - 10th Ave 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$18,070	-	-	-	-	-	-	\$18,070
Grants - Gen. Gov.	\$189,563	-	-	-	-	-	-	\$189,563
Highway User Revenue Fund	-	\$697,620	-	-	-	-	-	\$697,620
Local Streets Sales Tax	\$132,415	-	-	-	-	-	-	\$132,415
<b>Total:</b>	<b>\$340,049</b>	<b>\$697,620</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,037,669</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$16,109	\$33,220	-	-	-	-	-	\$49,329
Construction	\$120,898	\$664,400	-	-	-	-	-	\$785,298
Construction- Grant	\$189,563	-	-	-	-	-	-	\$189,563
Design	\$13,478	-	-	-	-	-	-	\$13,478
<b>Total</b>	<b>\$340,049</b>	<b>\$697,620</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,037,669</b>

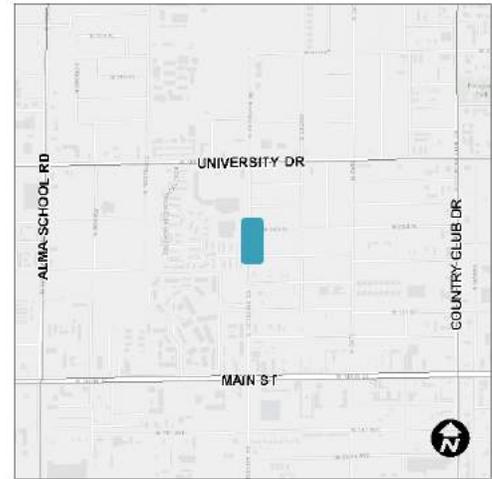
**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Storm Sewer**

**CP0611 - 2nd Avenue and Extension Drainage**

**Project Description**

Construct a new storm drain system to drain flows north to the Main Street storm system drain. This will alleviate flooding and drainage issues.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	\$250,000	\$250,000	-	-	-	-	-	\$500,000
Local Streets Sales Tax	\$229,593	\$412,715	-	-	-	-	-	\$642,308
<b>Total:</b>	<b>\$479,593</b>	<b>\$662,715</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,142,308</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$2,628	\$31,558	-	-	-	-	-	\$34,186
Construction	\$167,005	\$371,157	-	-	-	-	-	\$538,162
Construction-Grant	\$250,000	\$250,000	-	-	-	-	-	\$500,000
Design	\$59,960	-	-	-	-	-	-	\$59,960
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	<b>\$479,593</b>	<b>\$662,715</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,142,308</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$17,484
<b>Total:</b>	<b>-</b>	<b>\$2,000</b>	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$17,484</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0613 - 63rd and Broadway Drainage

##### Project Description

Construct an improved outfall and junction structure in the Broadway Road storm drain system. Improvements will include additional drainage infrastructure in 63rd St for improved storm water conveyance.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Local Streets Sales Tax	\$65,103	\$389,380	-	-	-	-	-	\$454,483
<b>Total:</b>	<b>\$65,103</b>	<b>\$639,380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$704,483</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$2,299	\$30,447	-	-	-	-	-	\$32,746
Construction	\$3,297	\$347,075	-	-	-	-	-	\$350,372
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	\$59,507	\$1,858	-	-	-	-	-	\$61,365
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	<b>\$65,103</b>	<b>\$639,380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$704,483</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$17,484
<b>Total:</b>	<b>-</b>	<b>\$2,000</b>	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$17,484</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Environmental Compliance Fee	\$21,984	\$13,499	-	-	-	-	-	\$35,483
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$222,500	-	-	-	-	-	\$222,500
<b>Total:</b>	<b>\$21,984</b>	<b>\$485,999</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$507,983</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$854	\$23,320	-	-	-	-	-	\$24,174
Construction	\$18,898	\$212,121	-	-	-	-	-	\$231,019
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	\$2,233	\$558	-	-	-	-	-	\$2,791
<b>Total</b>	<b>\$21,984</b>	<b>\$485,999</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$507,983</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$15,484
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$15,484</b>

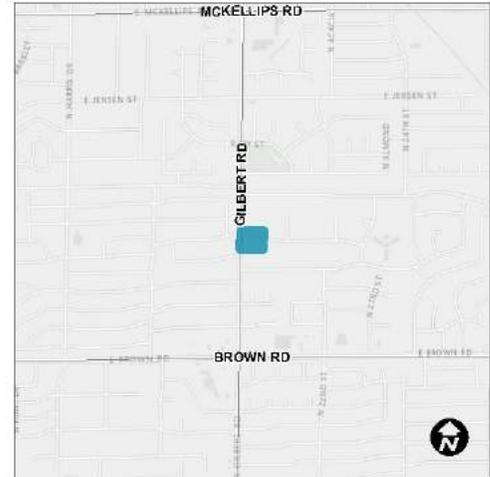
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0744 - Gilbert & Hackamore Storm Drainage

##### *Project Description*

Add storm drain pipes in 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$153,963	-	-	-	-	-	\$153,963
<b>Total:</b>	-	<b>\$403,963</b>	-	-	-	-	-	<b>\$403,963</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$19,236	-	-	-	-	-	\$19,236
Construction	-	\$134,727	-	-	-	-	-	\$134,727
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
<b>Total</b>	-	<b>\$403,963</b>	-	-	-	-	-	<b>\$403,963</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$15,484
<b>Total:</b>	-	-	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$15,484</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0557 - Horne Storm Drainage System

##### Project Description

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



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$2,631,578	-	-	-	-	-	\$2,631,578
Local Streets Sales Tax	\$1,630,389	\$181,437	-	-	-	-	-	\$1,811,826
<b>Total:</b>	<b>\$1,880,389</b>	<b>\$2,813,015</b>	-	-	-	-	-	<b>\$4,693,404</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$81,388	\$133,953	-	-	-	-	-	\$215,341
Construction	\$532,258	\$2,494,186	-	-	-	-	-	\$3,026,444
Construction- Grant	\$261,331	-	-	-	-	-	-	\$261,331
Design	\$280,309	\$179,740	-	-	-	-	-	\$460,049
Land Acquisition	\$725,103	\$5,136	-	-	-	-	-	\$730,239
<b>Total</b>	<b>\$1,880,389</b>	<b>\$2,813,015</b>	-	-	-	-	-	<b>\$4,693,404</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$40,960	\$41,972	\$43,052	\$44,212	\$188,312	\$358,508
<b>Total:</b>	-	-	<b>\$40,960</b>	<b>\$41,972</b>	<b>\$43,052</b>	<b>\$44,212</b>	<b>\$188,312</b>	<b>\$358,508</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0743 - Lazona & Broadway 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$695,069	-	-	-	-	-	\$695,069
<b>Total:</b>	-	<b>\$945,069</b>	-	-	-	-	-	<b>\$945,069</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$45,003	-	-	-	-	-	\$45,003
Construction	-	\$650,066	-	-	-	-	-	\$650,066
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
<b>Total</b>	-	<b>\$945,069</b>	-	-	-	-	-	<b>\$945,069</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$15,484
<b>Total:</b>	-	-	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$15,484</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0567 - Lehi Area Drainage Master Plan

##### Project Description

Perform a drainage study of Lehi Area to compare, contrast and recommend various alternatives for addressing drainage issues.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	\$5,588,084	\$3,497,591	-	-	-	\$9,085,675
Environmental Compliance Fee	\$107,068	\$262,500	-	-	-	-	-	\$369,568
Highway User Revenue Fund	-	\$338,651	-	-	-	-	-	\$338,651
Local Streets Sales Tax	-	\$172,725	-	-	-	-	-	\$172,725
<b>Total:</b>	<b>\$107,068</b>	<b>\$773,876</b>	<b>\$5,588,084</b>	<b>\$3,497,591</b>	-	-	-	<b>\$9,966,619</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$4,929	\$36,851	\$266,100	\$166,552	-	-	-	\$474,432
Construction	-	\$250,000	\$4,771,738	\$3,331,039	-	-	-	\$8,352,777
Design	\$102,139	\$450,025	\$436,582	-	-	-	-	\$988,746
Land Acquisition	-	\$37,000	\$113,664	-	-	-	-	\$150,664
<b>Total</b>	<b>\$107,068</b>	<b>\$773,876</b>	<b>\$5,588,084</b>	<b>\$3,497,591</b>	-	-	-	<b>\$9,966,619</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$1,240	\$1,273	\$5,424	\$7,937
<b>Total:</b>	-	-	-	-	<b>\$1,240</b>	<b>\$1,273</b>	<b>\$5,424</b>	<b>\$7,937</b>

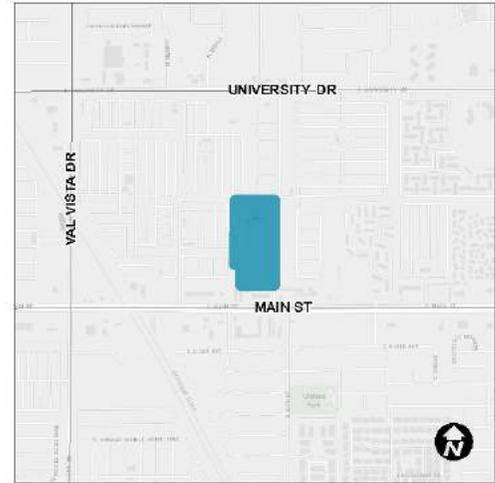
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0741 - Maple & Main 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$163,096	-	-	-	-	-	\$163,096
<b>Total:</b>	-	<b>\$413,096</b>	-	-	-	-	-	<b>\$413,096</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$19,671	-	-	-	-	-	\$19,671
Construction	-	\$143,425	-	-	-	-	-	\$143,425
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
<b>Total</b>	-	<b>\$413,096</b>	-	-	-	-	-	<b>\$413,096</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$15,484
<b>Total:</b>	-	-	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$15,484</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	\$148,884	-	-	-	-	-	-	\$148,884
Local Streets Sales Tax	\$113,766	\$169,079	-	-	-	-	-	\$282,845
<b>Total:</b>	<b>\$262,651</b>	<b>\$169,079</b>	-	-	-	-	-	<b>\$431,730</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$12,406	\$8,051	-	-	-	-	-	\$20,457
Construction	\$87,565	\$153,871	-	-	-	-	-	\$241,436
Construction- Grant	\$148,884	-	-	-	-	-	-	\$148,884
Design	\$13,795	\$7,157	-	-	-	-	-	\$20,952
<b>Total</b>	<b>\$262,651</b>	<b>\$169,079</b>	-	-	-	-	-	<b>\$431,730</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0745 - Skyview Drainage

##### *Project Description*

Install a storm drain network 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Highway User Revenue Fund	-	\$867,550	-	-	-	-	-	\$867,550
<b>Total:</b>	-	<b>\$1,117,550</b>	-	-	-	-	-	<b>\$1,117,550</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$53,217	-	-	-	-	-	\$53,217
Construction	-	\$814,333	-	-	-	-	-	\$814,333
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
<b>Total</b>	-	<b>\$1,117,550</b>	-	-	-	-	-	<b>\$1,117,550</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$15,484
<b>Total:</b>	-	-	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$15,484</b>

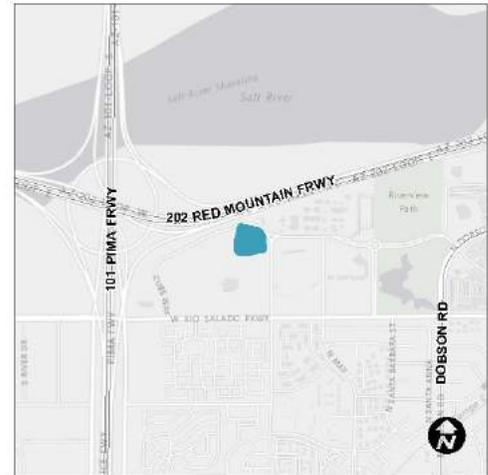
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Environmental Compliance Fee	\$19,804	\$389,781	-	-	-	-	-	\$409,585
<b>Total:</b>	<b>\$19,804</b>	<b>\$389,781</b>	-	-	-	-	-	<b>\$409,585</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$736	\$18,561	-	-	-	-	-	\$19,297
Construction	\$4,680	\$364,362	-	-	-	-	-	\$369,042
Design	\$14,388	\$6,858	-	-	-	-	-	\$21,246
<b>Total</b>	<b>\$19,804</b>	<b>\$389,781</b>	-	-	-	-	-	<b>\$409,585</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0614 - Solomon and Southern Drainage

##### *Project Description*

Construct storm drain infrastructure to handle storm water runoff. Improvements may include the construction of a new storm drain system with catch basins.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	\$201,691	\$250,000	-	-	-	-	-	\$451,691
Local Streets Sales Tax	\$117,478	\$337,247	-	-	-	-	-	\$454,725
<b>Total:</b>	<b>\$319,168</b>	<b>\$587,247</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$906,415</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$703	\$27,964	-	-	-	-	-	\$28,667
Construction	\$95,185	\$236,175	-	-	-	-	-	\$331,360
Construction- Grant	\$201,691	\$250,000	-	-	-	-	-	\$451,691
Design	\$21,590	\$63,108	-	-	-	-	-	\$84,698
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	<b>\$319,168</b>	<b>\$587,247</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$906,415</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$17,484
<b>Total:</b>	<b>-</b>	<b>\$2,000</b>	<b>\$2,048</b>	<b>\$2,099</b>	<b>\$2,153</b>	<b>\$2,211</b>	<b>\$6,973</b>	<b>\$17,484</b>

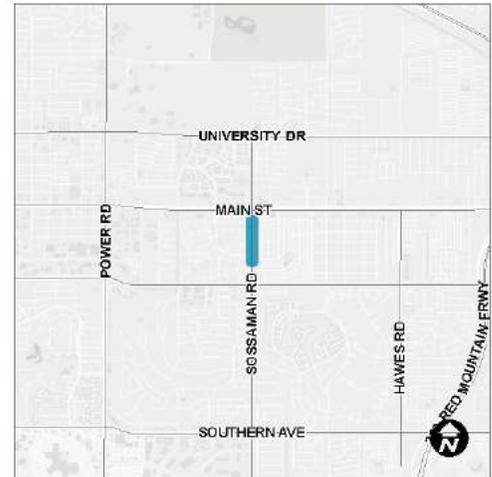
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0790 - Sossaman and Main Drainage Ditch

##### *Project Description*

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



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Environmental Compliance Fee	\$9,416	\$272,487	-	-	-	-	-	\$281,903
<b>Total:</b>	<b>\$9,416</b>	<b>\$272,487</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$281,903</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$265	\$12,976	-	-	-	-	-	\$13,241
Construction	-	\$259,511	-	-	-	-	-	\$259,511
Design	\$9,151	-	-	-	-	-	-	\$9,151
<b>Total</b>	<b>\$9,416</b>	<b>\$272,487</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$281,903</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0491 - Storm Drain Pump Stations

##### Project Description

Rehabilitate aging storm drain pump stations.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	\$1,612,800	\$1,652,648	\$1,695,173	\$1,740,848	\$3,615,570	\$10,317,039
Environmental Compliance Fee	-	\$2,714,376	-	-	-	-	-	\$2,714,376
<b>Total:</b>	-	<b>\$2,714,376</b>	<b>\$1,612,800</b>	<b>\$1,652,648</b>	<b>\$1,695,173</b>	<b>\$1,740,848</b>	<b>\$3,615,570</b>	<b>\$13,031,415</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$129,256	\$76,800	\$78,698	\$80,723	\$82,898	\$172,170	\$620,545
Construction	-	\$2,435,000	\$1,536,000	\$1,573,950	\$1,614,450	\$1,657,950	\$3,443,400	\$12,260,750
Design	-	\$137,620	-	-	-	-	-	\$137,620
Land Acquisition	-	\$12,500	-	-	-	-	-	\$12,500
<b>Total</b>	-	<b>\$2,714,376</b>	<b>\$1,612,800</b>	<b>\$1,652,648</b>	<b>\$1,695,173</b>	<b>\$1,740,848</b>	<b>\$3,615,570</b>	<b>\$13,031,415</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$1,152	\$1,180	\$1,209	\$1,240	\$1,273	\$5,424	\$11,478
<b>Total:</b>	-	<b>\$1,152</b>	<b>\$1,180</b>	<b>\$1,209</b>	<b>\$1,240</b>	<b>\$1,273</b>	<b>\$5,424</b>	<b>\$11,478</b>

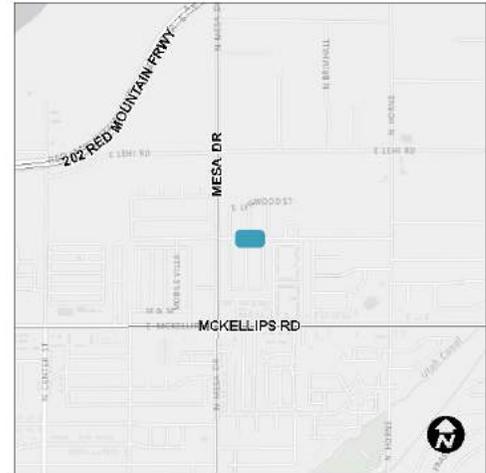
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Storm Sewer

#### CP0612 - Summer and Bates Drainage

##### *Project Description*

Construct a storm drain network with catch basins to remove runoff and direct it to the regional retention basin on Lehi Road.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Grants - Gen. Gov.	-	-	\$256,000	-	-	-	-	\$256,000
Highway User Revenue Fund	-	\$144,546	\$695,090	-	-	-	-	\$839,636
<b>Total:</b>	-	<b>\$144,546</b>	<b>\$951,090</b>	-	-	-	-	<b>\$1,095,636</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$6,883	\$45,290	-	-	-	-	\$52,173
Construction	-	-	\$649,800	-	-	-	-	\$649,800
Construction- Grant	-	-	\$256,000	-	-	-	-	\$256,000
Design	-	\$127,663	-	-	-	-	-	\$127,663
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
<b>Total</b>	-	<b>\$144,546</b>	<b>\$951,090</b>	-	-	-	-	<b>\$1,095,636</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$5,247	\$5,382	\$5,527	\$17,434	\$33,590
<b>Total:</b>	-	-	-	<b>\$5,247</b>	<b>\$5,382</b>	<b>\$5,527</b>	<b>\$17,434</b>	<b>\$33,590</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$679,391	-	-	-	-	-	-	\$679,391
2014 Electric Bond	\$687	-	-	-	-	-	-	\$687
2014 Gas Bond	\$337	\$1,505,319	-	-	-	-	-	\$1,505,656
2014 Wastewater Bond	-	\$225,361	-	-	-	-	-	\$225,361
2014 Water Bond	\$1	\$1,074,749	-	-	-	-	-	\$1,074,750
General Fund	\$108	-	-	-	-	-	-	\$108
Local Streets Sales Tax	-	\$1,000,000	-	-	-	-	-	\$1,000,000
<b>Total:</b>	<b>\$680,524</b>	<b>\$3,805,429</b>	-	-	-	-	-	<b>\$4,485,953</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$29,045	\$248,401	-	-	-	-	-	\$277,446
Construction	\$394,638	\$3,472,894	-	-	-	-	-	\$3,867,532
Design	\$256,841	\$80,662	-	-	-	-	-	\$337,503
Direct Expenses	-	\$3,472	-	-	-	-	-	\$3,472
<b>Total</b>	<b>\$680,524</b>	<b>\$3,805,429</b>	-	-	-	-	-	<b>\$4,485,953</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$3,186	\$3,263	\$3,343	\$3,429	\$3,521	\$15,000	\$31,742
Highway User Revenue Fund	-	\$9,485	\$9,714	\$9,953	\$10,209	\$10,484	\$44,653	\$94,498
<b>Total:</b>	-	<b>\$12,671</b>	<b>\$12,977</b>	<b>\$13,296</b>	<b>\$13,638</b>	<b>\$14,005</b>	<b>\$59,653</b>	<b>\$126,240</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Streets**

**CN0003 - 2013 Streets 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$45,487	\$1,535,625	-	-	-	-	-	\$1,581,112
Future Street Bond	-	-	-	-	-	-	\$5,415,162	\$5,415,162
<b>Total:</b>	<b>\$45,487</b>	<b>\$1,535,625</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,415,162</b>	<b>\$6,996,274</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	\$45,487	\$1,520,625	-	-	-	-	\$5,415,162	\$6,981,274
Direct Expenses	-	\$15,000	-	-	-	-	-	\$15,000
<b>Total</b>	<b>\$45,487</b>	<b>\$1,535,625</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,415,162</b>	<b>\$6,996,274</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Local Streets Sales Tax	-	-	\$90,419	\$92,653	\$95,037	\$97,598	\$415,698	\$791,405
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>\$90,419</b>	<b>\$92,653</b>	<b>\$95,037</b>	<b>\$97,598</b>	<b>\$415,698</b>	<b>\$791,405</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2008 Street Bond	\$231,987	-	-	-	-	-	-	\$231,987
2010 Gas Bond	\$16,414	-	\$512,000	-	-	-	-	\$528,414
2010 Water Bond	\$844,722	-	-	-	-	-	-	\$844,722
2013 Street Bond	\$11,846,813	-	-	-	-	-	-	\$11,846,813
2014 Water Bond	\$336,866	-	-	-	-	-	-	\$336,866
2018 Street Bond	-	-	\$537,600	\$7,436,914	\$12,148,736	\$8,269,026	\$16,214,704	\$44,606,980
2020 Water Bond	-	-	-	-	\$935,962	-	-	\$935,962
Future Street Bond	-	-	-	-	-	-	\$13,179,705	\$13,179,705
Local Streets Sales Tax	\$154,688	-	-	-	-	-	-	\$154,688
Utility Replacement Extension and Renewal - WW	\$28,154	-	-	-	-	-	-	\$28,154
<b>Total:</b>	<b>\$13,459,644</b>	<b>-</b>	<b>\$1,049,600</b>	<b>\$7,436,914</b>	<b>\$13,084,698</b>	<b>\$8,269,026</b>	<b>\$29,394,409</b>	<b>\$72,694,291</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$592,231	-	\$72,146	\$354,139	\$623,081	\$393,763	\$1,399,734	\$3,435,094
Construction	\$12,175,369	-	\$434,299	\$6,820,450	\$11,914,641	\$7,598,938	\$27,413,575	\$66,357,272
Design	\$691,468	-	\$542,721	\$262,325	\$538,150	\$276,325	\$581,100	\$2,892,089
Direct Expenses	\$452	-	\$434	-	\$8,826	-	-	\$9,712
Land Acquisition	\$125	-	-	-	-	-	-	\$125
<b>Total</b>	<b>\$13,459,644</b>	<b>-</b>	<b>\$1,049,600</b>	<b>\$7,436,914</b>	<b>\$13,084,698</b>	<b>\$8,269,026</b>	<b>\$29,394,409</b>	<b>\$72,694,291</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Local Streets Sales Tax	\$3,621	\$179,918	-	-	-	-	-	\$183,539
<b>Total:</b>	<b>\$3,621</b>	<b>\$179,918</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$183,539</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$118	\$8,568	-	-	-	-	-	\$8,686
Construction	-	\$171,350	-	-	-	-	-	\$171,350
Design	\$3,503	-	-	-	-	-	-	\$3,503
<b>Total</b>	<b>\$3,621</b>	<b>\$179,918</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$183,539</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0029 - Broadway Road: Dobson Road to Country Club Drive

#### Project Description

Construct lane extensions around the intersections of Dobson Road, Alma School Road, Extension Road, and the half-mile segment between Alma School Road and Extension Road.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	-	\$848,267	\$6,585,692	\$4,905,859	\$15,742,851	\$28,082,669
2020 Electric Bond	-	-	-	-	\$72,103	\$678,196	-	\$750,299
2020 Gas Bond	-	-	-	-	\$274,591	\$3,245,067	-	\$3,519,658
2020 Water Bond	-	-	-	-	\$1,097,996	\$11,436,886	-	\$12,534,882
<b>Total:</b>	-	-	-	<b>\$848,267</b>	<b>\$8,030,382</b>	<b>\$20,266,008</b>	<b>\$15,742,851</b>	<b>\$44,887,508</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$40,394	\$399,149	\$1,197,279	\$749,659	\$2,386,481
Construction	-	-	-	-	-	\$15,506,536	\$14,993,192	\$30,499,728
Design	-	-	-	\$797,380	\$4,342,581	-	-	\$5,139,961
Direct Expenses	-	-	-	\$10,493	\$17,403	\$124,861	-	\$152,757
Land Acquisition	-	-	-	-	\$3,271,249	\$3,437,332	-	\$6,708,581
<b>Total</b>	-	-	-	<b>\$848,267</b>	<b>\$8,030,382</b>	<b>\$20,266,008</b>	<b>\$15,742,851</b>	<b>\$44,887,508</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$11,389	\$11,389
Highway User Revenue Fund	-	-	-	-	-	-	\$33,903	\$33,903
<b>Total:</b>	-	-	-	-	-	-	<b>\$45,292</b>	<b>\$45,292</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$579	-	-	-	-	-	-	\$579
Local Streets								
Sales Tax	\$102,991	\$1,326,597	-	-	-	-	-	\$1,429,588
<b>Total:</b>	<b>\$103,569</b>	<b>\$1,326,597</b>	-	-	-	-	-	<b>\$1,430,166</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$4,048	\$63,171	-	-	-	-	-	\$67,219
Design	\$99,522	\$1,263,426	-	-	-	-	-	\$1,362,948
<b>Total</b>	<b>\$103,569</b>	<b>\$1,326,597</b>	-	-	-	-	-	<b>\$1,430,166</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0028 - Country Club and University Intersection

#### Project Description

Construct intersection improvements to reduce traffic congestion and improve safety.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$33,716	\$346,250	-	\$379,966
2020 Water Bond	-	-	-	-	\$96,951	\$1,005,598	-	\$1,102,549
Future Street Bond	-	-	-	-	-	-	\$28,149,628	\$28,149,628
<b>Total:</b>	-	-	-	-	<b>\$130,667</b>	<b>\$1,351,848</b>	<b>\$28,149,628</b>	<b>\$29,632,143</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$7,681	\$79,363	\$1,343,333	\$1,430,377
Construction	-	-	-	-	-	\$1,262,688	\$18,030,677	\$19,293,365
Design	-	-	-	-	\$122,956	-	\$1,435,895	\$1,558,851
Direct Expenses	-	-	-	-	\$30	\$9,797	\$30,225	\$40,052
Land Acquisition	-	-	-	-	-	-	\$7,309,498	\$7,309,498
<b>Total</b>	-	-	-	-	<b>\$130,667</b>	<b>\$1,351,848</b>	<b>\$28,149,628</b>	<b>\$29,632,143</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$10,570	\$10,570
Highway User Revenue Fund	-	-	-	-	-	-	\$18,630	\$18,630
<b>Total:</b>	-	-	-	-	-	-	<b>\$29,200</b>	<b>\$29,200</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	-	\$369,161	-	-	-	-	-	\$369,161
<b>Total:</b>	-	<b>\$369,161</b>	-	-	-	-	-	<b>\$369,161</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$17,579	-	-	-	-	-	\$17,579
Construction	-	\$342,069	-	-	-	-	-	\$342,069
Design	-	\$9,513	-	-	-	-	-	\$9,513
<b>Total</b>	-	<b>\$369,161</b>	-	-	-	-	-	<b>\$369,161</b>

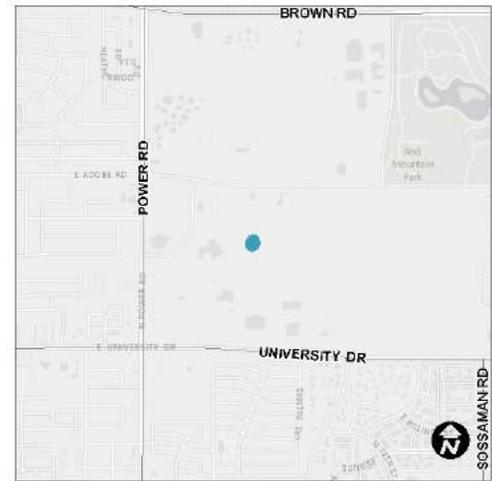
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Environmental Compliance Fee	\$32,872	\$493,500	-	-	-	-	-	\$526,372
<b>Total:</b>	<b>\$32,872</b>	<b>\$493,500</b>	-	-	-	-	-	<b>\$526,372</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$1,327	\$23,500	-	-	-	-	-	\$24,827
Construction	-	\$470,000	-	-	-	-	-	\$470,000
Design	\$31,545	-	-	-	-	-	-	\$31,545
<b>Total</b>	<b>\$32,872</b>	<b>\$493,500</b>	-	-	-	-	-	<b>\$526,372</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0217 - Eastside Improvements at Phx-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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	-	-	\$3,017,936	\$2,013,147	-	-	-	\$5,031,083
<b>Total:</b>	-	-	<b>\$3,017,936</b>	<b>\$2,013,147</b>	-	-	-	<b>\$5,031,083</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$143,711	\$95,864	-	-	-	\$239,575
Design	-	-	\$2,874,225	\$1,917,283	-	-	-	\$4,791,508
<b>Total</b>	-	-	<b>\$3,017,936</b>	<b>\$2,013,147</b>	-	-	-	<b>\$5,031,083</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Streets**

**CP0342 - Economic Development**

***Project Description***

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	-	-	\$723,968	\$741,856	\$760,947	-	-	\$2,226,771
2018 Street Bond	-	-	\$2,048,000	\$3,147,900	\$2,152,600	\$3,315,900	\$2,266,800	\$12,931,200
Future Street Bond	-	-	-	-	-	-	\$3,486,600	\$3,486,600
<b>Total:</b>	-	-	<b>\$2,771,968</b>	<b>\$3,889,756</b>	<b>\$2,913,547</b>	<b>\$3,315,900</b>	<b>\$5,753,400</b>	<b>\$18,644,571</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	\$131,999	\$185,227	\$138,741	\$157,900	\$273,971	\$887,838
Construction	-	-	\$2,633,142	\$3,697,533	\$2,767,629	\$3,158,000	\$5,479,429	\$17,735,733
Direct Expenses	-	-	\$6,827	\$6,996	\$7,177	-	-	\$21,000
<b>Total</b>	-	-	<b>\$2,771,968</b>	<b>\$3,889,756</b>	<b>\$2,913,547</b>	<b>\$3,315,900</b>	<b>\$5,753,400</b>	<b>\$18,644,571</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0571 - Elliot Road Tech Corridor

#### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$253,336	\$4,636,250	-	-	-	-	-	\$4,889,586
Grants - Gen. Gov.	-	\$1,325,130	-	-	-	-	-	\$1,325,130
Local Streets Sales Tax	\$283,911	-	-	-	-	-	-	\$283,911
Transportation	-	\$13,263,750	-	-	-	-	-	\$13,263,750
<b>Total:</b>	<b>\$537,246</b>	<b>\$19,225,130</b>	-	-	-	-	-	<b>\$19,762,376</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$13,193	\$852,381	-	-	-	-	-	\$865,574
Construction	\$114	\$16,322,749	-	-	-	-	-	\$16,322,863
Construction- Grant	-	\$1,000,000	-	-	-	-	-	\$1,000,000
Design	\$523,541	-	-	-	-	-	-	\$523,541
Direct Expenses	-	\$1,050,000	-	-	-	-	-	\$1,050,000
Land Acquisition	\$399	-	-	-	-	-	-	\$399
<b>Total</b>	<b>\$537,246</b>	<b>\$19,225,130</b>	-	-	-	-	-	<b>\$19,762,376</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$5,111	\$5,237	\$5,372	\$5,516	\$23,498	\$44,734
Highway User Revenue Fund	-	-	\$44,346	\$45,442	\$46,611	\$47,867	\$203,882	\$388,148
<b>Total:</b>	-	-	<b>\$49,457</b>	<b>\$50,679</b>	<b>\$51,983</b>	<b>\$53,383</b>	<b>\$227,380</b>	<b>\$432,882</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0057 - Greenfield Road; Southern Avenue to University Drive

#### Project Description

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



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	\$1,173,119	\$1,005,599	-	\$2,178,718
Future Street Bond	-	-	-	-	-	-	\$9,540,976	\$9,540,976
<b>Total:</b>	-	-	-	-	<b>\$1,173,119</b>	<b>\$1,005,599</b>	<b>\$9,540,976</b>	<b>\$11,719,694</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$55,863	\$47,886	\$454,333	\$558,082
Construction	-	-	-	-	\$923,352	\$948,231	\$8,269,989	\$10,141,572
Design	-	-	-	-	\$184,670	-	\$489,959	\$674,629
Direct Expenses	-	-	-	-	\$9,234	\$9,482	\$28,920	\$47,636
Land Acquisition	-	-	-	-	-	-	\$297,775	\$297,775
<b>Total</b>	-	-	-	-	<b>\$1,173,119</b>	<b>\$1,005,599</b>	<b>\$9,540,976</b>	<b>\$11,719,694</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$11,389	\$11,389
Highway User Revenue Fund	-	-	-	-	-	-	\$33,903	\$33,903
<b>Total:</b>	-	-	-	-	-	-	<b>\$45,292</b>	<b>\$45,292</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	-	\$416,850	\$426,854	\$437,402	\$448,657	\$460,745	-	\$2,190,508
<b>Total:</b>	-	<b>\$416,850</b>	<b>\$426,854</b>	<b>\$437,402</b>	<b>\$448,657</b>	<b>\$460,745</b>	-	<b>\$2,190,508</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$19,850	\$20,326	\$20,829	\$21,365	\$21,940	-	\$104,310
Construction	-	\$397,000	\$276,480	\$283,311	\$290,601	\$298,431	-	\$1,545,823
Design	-	-	\$117,760	\$120,670	\$123,775	\$127,110	-	\$489,315
Direct Expenses	-	-	\$2,048	\$2,099	\$2,153	\$2,211	-	\$8,511
Land Acquisition	-	-	\$10,240	\$10,493	\$10,763	\$11,053	-	\$42,549
<b>Total</b>	-	<b>\$416,850</b>	<b>\$426,854</b>	<b>\$437,402</b>	<b>\$448,657</b>	<b>\$460,745</b>	-	<b>\$2,190,508</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	\$11,245	\$238,193	\$161,280	\$137,721	-	-	-	\$548,439
<b>Total:</b>	<b>\$11,245</b>	<b>\$238,193</b>	<b>\$161,280</b>	<b>\$137,721</b>	-	-	-	<b>\$548,439</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$432	\$11,419	\$7,680	\$6,558	-	-	-	\$26,089
Construction	-	\$150,000	\$153,600	\$131,163	-	-	-	\$434,763
Design	\$10,814	\$76,774	-	-	-	-	-	\$87,588
<b>Total</b>	<b>\$11,245</b>	<b>\$238,193</b>	<b>\$161,280</b>	<b>\$137,721</b>	-	-	-	<b>\$548,439</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	-	\$926,665	-	-	-	-	-	\$926,665
<b>Total:</b>	-	<b>\$926,665</b>	-	-	-	-	-	<b>\$926,665</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$44,127	-	-	-	-	-	\$44,127
Construction	-	\$805,918	-	-	-	-	-	\$805,918
Design	-	\$76,620	-	-	-	-	-	\$76,620
<b>Total</b>	-	<b>\$926,665</b>	-	-	-	-	-	<b>\$926,665</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Electric Bond	\$195,746	-	-	-	-	-	-	\$195,746
2010 Gas Bond	\$4,549	\$468,266	-	-	-	-	-	\$472,815
2010 Water Bond	\$65,830	\$1,706,250	-	-	-	-	-	\$1,772,080
2013 Street Bond	\$1,057,984	\$10,951,500	-	-	-	-	-	\$12,009,484
2014 Electric Bond	-	\$3,930,483	-	-	-	-	-	\$3,930,483
2014 Wastewater Bond	-	\$288,829	-	-	-	-	-	\$288,829
<b>Total:</b>	<b>\$1,324,109</b>	<b>\$17,345,328</b>	-	-	-	-	-	<b>\$18,669,437</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$68,427	\$1,113,849	-	-	-	-	-	\$1,182,276
Construction	\$1,118	\$16,227,579	-	-	-	-	-	\$16,228,697
Design	\$1,253,347	-	-	-	-	-	-	\$1,253,347
Direct Expenses	\$1,217	\$3,900	-	-	-	-	-	\$5,117
<b>Total</b>	<b>\$1,324,109</b>	<b>\$17,345,328</b>	-	-	-	-	-	<b>\$18,669,437</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$5,111	\$5,237	\$5,372	\$5,516	\$23,498	\$44,734
Highway User Revenue Fund	-	-	\$44,346	\$45,442	\$46,611	\$47,867	\$203,882	\$388,148
<b>Total:</b>	-	-	<b>\$49,457</b>	<b>\$50,679</b>	<b>\$51,983</b>	<b>\$53,383</b>	<b>\$227,380</b>	<b>\$432,882</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### C06040 - Pecos Road: 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$238,942	-	-	-	\$238,942
2020 Gas Bond	-	-	-	-	\$3,011,299	-	-	\$3,011,299
Future Street Bond	-	-	-	-	-	-	\$28,572,677	\$28,572,677
<b>Total:</b>	-	-	-	<b>\$238,942</b>	<b>\$3,011,299</b>	-	<b>\$28,572,677</b>	<b>\$31,822,918</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$21,722	\$273,755	-	\$1,360,604	\$1,656,081
Construction	-	-	-	-	\$2,734,809	-	\$13,370,180	\$16,104,989
Design	-	-	-	\$217,003	-	-	\$3,129,034	\$3,346,037
Direct Expenses	-	-	-	\$217	\$2,735	-	\$56,432	\$59,384
Land Acquisition	-	-	-	-	-	-	\$10,656,427	\$10,656,427
<b>Total</b>	-	-	-	<b>\$238,942</b>	<b>\$3,011,299</b>	-	<b>\$28,572,677</b>	<b>\$31,822,918</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$23,498	\$23,498
Highway User Revenue Fund	-	-	-	-	-	-	\$203,882	\$203,882
<b>Total:</b>	-	-	-	-	-	-	<b>\$227,380</b>	<b>\$227,380</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	\$497,164	\$261,948	-	-	-	-	-	\$759,112
<b>Total:</b>	<b>\$497,164</b>	<b>\$261,948</b>	-	-	-	-	-	<b>\$759,112</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$21,197	\$12,474	-	-	-	-	-	\$33,671
Construction	\$441,967	\$249,474	-	-	-	-	-	\$691,441
Design	\$34,000	-	-	-	-	-	-	\$34,000
<b>Total</b>	<b>\$497,164</b>	<b>\$261,948</b>	-	-	-	-	-	<b>\$759,112</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Streets**

**CP0660 - Rail Road 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Local Streets Sales Tax	\$5,119	\$73,949	-	-	-	-	-	\$79,068
<b>Total:</b>	<b>\$5,119</b>	<b>\$73,949</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$79,068</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$145	\$3,521	-	-	-	-	-	\$3,666
Construction	-	\$70,428	-	-	-	-	-	\$70,428
Design	\$4,975	-	-	-	-	-	-	\$4,975
<b>Total</b>	<b>\$5,119</b>	<b>\$73,949</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$79,068</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0528 - Roosevelt Road; 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$32,346	-	-	-	-	-	-	\$32,346
Local Streets Sales Tax	\$103,221	\$858,759	-	-	-	-	-	\$961,980
<b>Total:</b>	<b>\$135,567</b>	<b>\$858,759</b>	-	-	-	-	-	<b>\$994,326</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$5,884	\$42,957	-	-	-	-	-	\$48,841
Construction	\$534	\$815,802	-	-	-	-	-	\$816,336
Design	\$128,805	-	-	-	-	-	-	\$128,805
Land Acquisition	\$344	-	-	-	-	-	-	\$344
<b>Total</b>	<b>\$135,567</b>	<b>\$858,759</b>	-	-	-	-	-	<b>\$994,326</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Local Streets Sales Tax	-	\$26,058	\$26,636	\$27,298	\$28,000	\$28,754	\$122,473	\$259,219
<b>Total:</b>	-	<b>\$26,058</b>	<b>\$26,636</b>	<b>\$27,298</b>	<b>\$28,000</b>	<b>\$28,754</b>	<b>\$122,473</b>	<b>\$259,219</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**Streets**

**CP0432 - Rusted Streetlight Pole Replacement**

**Project Description**

Replace existing direct burial and older base mounted streetlight poles which have begun to rust and have become safety concerns.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$2,146,965	-	-	-	-	-	-	\$2,146,965
2018 Street Bond	-	-	\$1,228,800	\$1,259,160	\$1,291,560	\$1,326,360	\$1,360,080	\$6,465,960
Future Street Bond	-	-	-	-	-	-	\$4,289,280	\$4,289,280
Local Streets Sales Tax	\$934,912	\$1,654,650	-	-	-	-	-	\$2,589,562
<b>Total:</b>	<b>\$3,081,877</b>	<b>\$1,654,650</b>	<b>\$1,228,800</b>	<b>\$1,259,160</b>	<b>\$1,291,560</b>	<b>\$1,326,360</b>	<b>\$5,649,360</b>	<b>\$15,491,767</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$105,524	\$78,793	\$58,514	\$59,960	\$61,503	\$63,160	\$269,018	\$696,472
Direct Expenses	\$9,089	-	-	-	-	-	-	\$9,089
Purchases	\$2,967,265	\$1,575,857	\$1,170,286	\$1,199,200	\$1,230,057	\$1,263,200	\$5,380,342	\$14,786,207
<b>Total</b>	<b>\$3,081,877</b>	<b>\$1,654,650</b>	<b>\$1,228,800</b>	<b>\$1,259,160</b>	<b>\$1,291,560</b>	<b>\$1,326,360</b>	<b>\$5,649,360</b>	<b>\$15,491,767</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
2013 Street Bond	\$16,918	-	-	-	-	-	-	\$16,918
<b>Total:</b>	<b>\$16,918</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$16,918</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0729 - Signal Butte Road; 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	-	-	\$166,697	\$3,261,992	-	\$3,428,689
<b>Total:</b>	-	-	-	-	<b>\$166,697</b>	<b>\$3,261,992</b>	-	<b>\$3,428,689</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$7,938	\$155,333	-	\$163,271
Construction	-	-	-	-	-	\$3,018,235	-	\$3,018,235
Design	-	-	-	-	\$158,759	-	-	\$158,759
Land Acquisition	-	-	-	-	-	\$88,424	-	\$88,424
<b>Total</b>	-	-	-	-	<b>\$166,697</b>	<b>\$3,261,992</b>	-	<b>\$3,428,689</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$23,498	\$23,498
Highway User Revenue Fund	-	-	-	-	-	-	\$203,882	\$203,882
<b>Total:</b>	-	-	-	-	-	-	<b>\$227,380</b>	<b>\$227,380</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### C01434 - Southern Avenue and Country Club Drive Intersection

#### Project Description

Construct intersection improvements to include an additional westbound through lane east of Country Club Drive, bus bays, and right turn lanes to reduce traffic congestion and improve safety.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	\$73,681	\$1,803,104	-	-	-	\$1,876,785
2014 Electric Bond	-	-	\$27,441	\$347,988	-	-	-	\$375,429
2014 Wastewater Bond	-	-	\$59,699	\$567,976	-	-	-	\$627,675
2014 Water Bond	-	-	\$2,535,462	-	-	-	-	\$2,535,462
2018 Street Bond	-	-	\$376,320	\$2,704,834	-	-	-	\$3,081,154
<b>Total:</b>	-	-	<b>\$3,072,603</b>	<b>\$5,423,902</b>	-	-	-	<b>\$8,496,505</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$151,891	\$364,904	-	-	-	\$516,795
Construction	-	-	\$1,846,454	\$5,051,748	-	-	-	\$6,898,202
Design	-	-	\$579,307	-	-	-	-	\$579,307
Direct Expenses	-	-	\$120,395	\$7,250	-	-	-	\$127,645
Land Acquisition	-	-	\$374,556	-	-	-	-	\$374,556
<b>Total</b>	-	-	<b>\$3,072,603</b>	<b>\$5,423,902</b>	-	-	-	<b>\$8,496,505</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,268	\$13,922	\$17,190
Highway User Revenue Fund	-	-	-	-	-	\$5,760	\$24,537	\$30,297
<b>Total:</b>	-	-	-	-	-	<b>\$9,028</b>	<b>\$38,459</b>	<b>\$47,487</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0800 - Southern Avenue and Stapley Drive Intersection

#### Project Description

Mitigate traffic delay and congestion and to enhance safety at this intersection. Improvements include construction of dual left turn lanes and additional through lanes. In addition, this project will improve the aging gas and storm sewer infrastructure.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2006 Wastewater Bond	\$54	-	-	-	-	-	-	\$54
2008 Street Bond	\$1,179	-	-	-	-	-	-	\$1,179
2010 Gas Bond	\$127	-	\$88,532	\$2,064,571	-	-	-	\$2,153,230
2010 Water Bond	\$20	-	-	-	-	-	-	\$20
2014 Water Bond	-	-	\$215,127	-	-	-	-	\$215,127
2018 Street Bond	-	-	\$360,192	\$3,947,624	-	-	-	\$4,307,816
Grants - Gen. Gov.	-	-	-	\$4,627,413	-	-	-	\$4,627,413
Local Streets Sales Tax	-	\$821,370	-	-	-	-	-	\$821,370
<b>Total:</b>	<b>\$1,379</b>	<b>\$821,370</b>	<b>\$663,851</b>	<b>\$10,639,608</b>	-	-	-	<b>\$12,126,208</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$63	-	\$35,445	\$596,023	-	-	-	\$631,531
Construction	-	-	\$202,854	\$10,041,710	-	-	-	\$10,244,564
Design	\$1,277	\$821,370	\$80,402	-	-	-	-	\$903,049
Direct Expenses	-	-	\$2,110	\$1,875	-	-	-	\$3,985
Land Acquisition	\$40	-	\$343,040	-	-	-	-	\$343,080
<b>Total</b>	<b>\$1,379</b>	<b>\$821,370</b>	<b>\$663,851</b>	<b>\$10,639,608</b>	-	-	-	<b>\$12,126,208</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Environmental Compliance Fee	-	-	-	-	\$3,183	\$3,268	\$13,922	\$20,373
Highway User Revenue Fund	-	-	-	-	\$5,609	\$5,760	\$24,537	\$35,906
<b>Total:</b>	-	-	-	-	<b>\$8,792</b>	<b>\$9,028</b>	<b>\$38,459</b>	<b>\$56,279</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0061 - Southern Avenue; Gilbert Road to Consolidated Canal

#### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	-	-	-	\$24,559	\$228,982	-	-	\$253,541
2014 Water Bond	-	-	-	\$154,247	-	-	-	\$154,247
2020 Water Bond	-	-	-	-	\$1,597,982	-	-	\$1,597,982
Transportation	-	-	-	\$1,166,304	\$6,137,856	-	-	\$7,304,160
<b>Total:</b>	-	-	-	<b>\$1,345,110</b>	<b>\$7,964,820</b>	-	-	<b>\$9,309,930</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$64,273	\$381,334	-	-	\$445,607
Construction	-	-	-	-	\$7,551,649	-	-	\$7,551,649
Design	-	-	-	\$1,039,288	-	-	-	\$1,039,288
Direct Expenses	-	-	-	\$1,049	\$31,837	-	-	\$32,886
Land Acquisition	-	-	-	\$240,500	-	-	-	\$240,500
<b>Total</b>	-	-	-	<b>\$1,345,110</b>	<b>\$7,964,820</b>	-	-	<b>\$9,309,930</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,521	\$15,000	\$18,521
Highway User Revenue Fund	-	-	-	-	-	\$10,484	\$44,653	\$55,137
<b>Total:</b>	-	-	-	-	-	<b>\$14,005</b>	<b>\$59,653</b>	<b>\$73,658</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0700 - Southern Avenue; 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	\$546,597	-	-	-	-	-	\$546,597
2013 Street Bond	\$207,340	-	-	-	-	-	-	\$207,340
Transportation	-	\$5,545,085	-	-	-	-	-	\$5,545,085
<b>Total:</b>	<b>\$207,340</b>	<b>\$6,091,682</b>	-	-	-	-	-	<b>\$6,299,022</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$5,342	\$313,743	-	-	-	-	-	\$319,085
Construction	\$542	\$5,734,533	-	-	-	-	-	\$5,735,075
Design	\$200,067	\$37,910	-	-	-	-	-	\$237,977
Direct Expenses	-	\$5,496	-	-	-	-	-	\$5,496
Land Acquisition	\$1,389	-	-	-	-	-	-	\$1,389
<b>Total</b>	<b>\$207,340</b>	<b>\$6,091,682</b>	-	-	-	-	-	<b>\$6,299,022</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$3,263	\$3,343	\$3,429	\$3,521	\$15,000	\$28,556
Highway User Revenue Fund	-	-	\$9,714	\$9,953	\$10,209	\$10,484	\$44,653	\$85,013
<b>Total:</b>	-	-	<b>\$12,977</b>	<b>\$13,296</b>	<b>\$13,638</b>	<b>\$14,005</b>	<b>\$59,653</b>	<b>\$113,569</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0666 - Stapley and Broadway Intersection

#### Project Description

Evaluate safety and capacity needs at the intersection of Stapley Road and Broadway Road.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2018 Street Bond	-	-	-	-	\$433,336	\$1,643,219	\$5,154,677	\$7,231,232
<b>Total:</b>	-	-	-	-	<b>\$433,336</b>	<b>\$1,643,219</b>	<b>\$5,154,677</b>	<b>\$7,231,232</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$20,635	\$78,249	\$245,460	\$344,344
Construction	-	-	-	-	-	\$1,337,413	\$3,988,217	\$5,325,630
Design	-	-	-	-	\$411,370	-	-	\$411,370
Direct Expenses	-	-	-	-	\$1,331	\$6,497	\$14,280	\$22,108
Land Acquisition	-	-	-	-	-	\$221,060	\$906,720	\$1,127,780
<b>Total</b>	-	-	-	-	<b>\$433,336</b>	<b>\$1,643,219</b>	<b>\$5,154,677</b>	<b>\$7,231,232</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$10,570	\$10,570
Highway User Revenue Fund	-	-	-	-	-	-	\$18,630	\$18,630
<b>Total:</b>	-	-	-	-	-	-	<b>\$29,200</b>	<b>\$29,200</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### C05041 - Stapley and University Intersection

#### Project Description

Construct an additional left turn lane and right turn lane in all directions to reduce traffic congestion at this intersection.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$18,659	-	-	-	\$18,659
2014 Water Bond	-	-	-	\$94,520	-	-	-	\$94,520
2018 Street Bond	-	-	-	\$245,289	\$3,560,793	-	-	\$3,806,082
2020 Gas Bond	-	-	-	-	\$462,700	-	-	\$462,700
2020 Water Bond	-	-	-	-	\$969,912	-	-	\$969,912
<b>Total:</b>	-	-	-	<b>\$358,468</b>	<b>\$4,993,405</b>	-	-	<b>\$5,351,873</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$13,378	\$257,811	-	-	\$271,189
Construction	-	-	-	\$4,501	\$4,700,142	-	-	\$4,704,643
Design	-	-	-	\$303,708	-	-	-	\$303,708
Direct Expenses	-	-	-	\$4,143	\$35,452	-	-	\$39,595
Land Acquisition	-	-	-	\$32,738	-	-	-	\$32,738
<b>Total</b>	-	-	-	<b>\$358,468</b>	<b>\$4,993,405</b>	-	-	<b>\$5,351,873</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	\$3,268	\$13,922	\$17,190
Highway User Revenue Fund	-	-	-	-	-	\$5,760	\$24,537	\$30,297
<b>Total:</b>	-	-	-	-	-	<b>\$9,028</b>	<b>\$38,459</b>	<b>\$47,487</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2013 Street Bond	\$108,991	\$250,000	-	-	-	-	-	\$358,991
Future Street Bond	-	-	-	-	-	-	\$830,244	\$830,244
Local Streets Sales Tax	-	-	\$361,267	\$370,193	\$379,719	\$389,950	\$399,863	\$1,900,992
<b>Total:</b>	<b>\$108,991</b>	<b>\$250,000</b>	<b>\$361,267</b>	<b>\$370,193</b>	<b>\$379,719</b>	<b>\$389,950</b>	<b>\$1,230,107</b>	<b>\$3,090,227</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$3,111	\$11,905	\$17,203	\$17,628	\$18,082	\$18,569	\$58,576	\$145,074
Construction	\$105,880	\$238,095	\$344,064	\$352,565	\$361,637	\$371,381	\$1,171,531	\$2,945,153
<b>Total</b>	<b>\$108,991</b>	<b>\$250,000</b>	<b>\$361,267</b>	<b>\$370,193</b>	<b>\$379,719</b>	<b>\$389,950</b>	<b>\$1,230,107</b>	<b>\$3,090,227</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Local Streets Sales Tax	-	\$7,500	\$15,360	\$23,662	\$24,271	\$24,925	\$106,161	\$201,879
<b>Total:</b>	<b>-</b>	<b>\$7,500</b>	<b>\$15,360</b>	<b>\$23,662</b>	<b>\$24,271</b>	<b>\$24,925</b>	<b>\$106,161</b>	<b>\$201,879</b>

**Transportation Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Local Streets Sales Tax	\$31,949	\$684,402	\$444,058	\$455,031	\$466,740	\$479,315	\$2,041,540	\$4,603,035
<b>Total:</b>	<b>\$31,949</b>	<b>\$684,402</b>	<b>\$444,058</b>	<b>\$455,031</b>	<b>\$466,740</b>	<b>\$479,315</b>	<b>\$2,041,540</b>	<b>\$4,603,035</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$1,012	\$32,591	\$21,146	\$21,668	\$22,226	\$22,824	\$97,216	\$218,683
Construction	\$81	\$588,811	\$358,400	\$367,256	\$376,706	\$386,856	\$1,647,732	\$3,725,842
Design	\$30,322	\$46,000	\$47,104	\$48,268	\$49,510	\$50,844	\$216,559	\$488,607
Land Acquisition	\$534	\$17,000	\$17,408	\$17,839	\$18,298	\$18,791	\$80,033	\$169,903
<b>Total</b>	<b>\$31,949</b>	<b>\$684,402</b>	<b>\$444,058</b>	<b>\$455,031</b>	<b>\$466,740</b>	<b>\$479,315</b>	<b>\$2,041,540</b>	<b>\$4,603,035</b>

**Operations & Maintenance Expenditures**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	\$300	\$307	\$315	\$323	\$332	\$1,412	\$2,989
Highway User Revenue Fund	-	\$500	\$512	\$524	\$538	\$553	\$2,354	\$4,981
<b>Total:</b>	<b>-</b>	<b>\$800</b>	<b>\$819</b>	<b>\$839</b>	<b>\$861</b>	<b>\$885</b>	<b>\$3,766</b>	<b>\$7,970</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### C10164 - University & Ellsworth Intersection

##### Project Description

Construct dual left turn lanes, three through lanes in each direction, and right turn lanes as warranted. Funding of this project will be contingent on the outcome of a future bond election.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	-	\$132,752	\$1,361,823	\$1,494,575
Future Street Bond	-	-	-	-	-	-	\$12,567,753	\$12,567,753
<b>Total:</b>	-	-	-	-	-	<b>\$132,752</b>	<b>\$13,929,576</b>	<b>\$14,062,328</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	-	\$6,321	\$663,313	\$669,634
Construction	-	-	-	-	-	-	\$12,162,440	\$12,162,440
Design	-	-	-	-	-	\$126,431	\$1,062,699	\$1,189,130
Direct Expenses	-	-	-	-	-	-	\$41,124	\$41,124
<b>Total</b>	-	-	-	-	-	<b>\$132,752</b>	<b>\$13,929,576</b>	<b>\$14,062,328</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	-	-	\$10,570	\$10,570
Highway User Revenue Fund	-	-	-	-	-	-	\$18,630	\$18,630
<b>Total:</b>	-	-	-	-	-	-	<b>\$29,200</b>	<b>\$29,200</b>

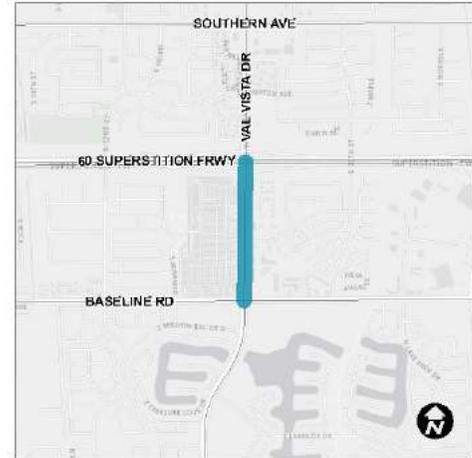
## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	\$874	\$319,000	-	-	-	-	-	\$319,874
2013 Street Bond	\$90,074	-	-	-	-	-	-	\$90,074
<b>Total:</b>	<b>\$90,948</b>	<b>\$319,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$409,948</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$3,315	\$29,000	-	-	-	-	-	\$32,315
Construction	-	\$290,000	-	-	-	-	-	\$290,000
Design	\$87,387	-	-	-	-	-	-	\$87,387
Land Acquisition	\$247	-	-	-	-	-	-	\$247
<b>Total</b>	<b>\$90,948</b>	<b>\$319,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$409,948</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Highway User Revenue Fund	-	-	-	-	-	-	\$4,977	\$4,977
Local Streets Sales Tax	-	\$19,005	\$19,461	\$19,942	\$20,455	\$21,006	\$89,472	\$189,341
<b>Total:</b>	<b>-</b>	<b>\$19,005</b>	<b>\$19,461</b>	<b>\$19,942</b>	<b>\$20,455</b>	<b>\$21,006</b>	<b>\$94,449</b>	<b>\$194,318</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### Streets

#### CP0062 - Val Vista Drive; Pueblo to US 60

#### Project Description

Improve Val Vista Drive between Pueblo and US 60. This work has been identified as a Regional Transportation Plan project to mitigate traffic delay and congestion and enhance safety.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	\$117,374	\$2,007,411	-	-	-	\$2,124,785
2014 Water Bond	-	-	\$176,795	\$1,829,747	-	-	-	\$2,006,542
Transportation	-	-	\$1,864,154	\$5,905,568	-	-	-	\$7,769,722
<b>Total:</b>	-	-	<b>\$2,158,323</b>	<b>\$9,742,726</b>	-	-	-	<b>\$11,901,049</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	\$107,859	\$550,841	-	-	-	\$658,700
Construction	-	-	-	\$9,172,808	-	-	-	\$9,172,808
Design	-	-	\$1,157,814	-	-	-	-	\$1,157,814
Direct Expenses	-	-	\$106	\$19,077	-	-	-	\$19,183
Land Acquisition	-	-	\$892,544	-	-	-	-	\$892,544
<b>Total</b>	-	-	<b>\$2,158,323</b>	<b>\$9,742,726</b>	-	-	-	<b>\$11,901,049</b>

#### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	-	\$5,372	\$5,516	\$23,498	\$34,386
Highway User Revenue Fund	-	-	-	-	\$46,611	\$47,867	\$203,882	\$298,360
<b>Total:</b>	-	-	-	-	<b>\$51,983</b>	<b>\$53,383</b>	<b>\$227,380</b>	<b>\$332,746</b>

## Transportation Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Transit Fund	\$7,253,532	\$18,916,126	\$10,083,806	-	-	-	-	\$36,253,464
<b>Total:</b>	<b>\$7,253,532</b>	<b>\$18,916,126</b>	<b>\$10,083,806</b>	-	-	-	-	<b>\$36,253,464</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$263,899	\$900,768	\$480,181	-	-	-	-	\$1,644,848
Construction	\$1,352,753	\$2,400,000	-	-	-	-	-	\$3,752,753
Design	\$185,856	\$3,949,486	\$2,048,000	-	-	-	-	\$6,183,342
Direct Expenses	\$264,405	\$3,324,270	\$7,555,625	-	-	-	-	\$11,144,300
Land Acquisition	\$5,186,619	\$8,341,602	-	-	-	-	-	\$13,528,221
<b>Total</b>	<b>\$7,253,532</b>	<b>\$18,916,126</b>	<b>\$10,083,806</b>	-	-	-	-	<b>\$36,253,464</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$25,600	\$26,233	\$26,908	\$27,633	\$117,696	\$224,070
Transit Fund	-	-	\$938,496	\$3,846,734	\$3,945,716	\$4,052,030	\$12,782,242	\$25,565,218
<b>Total:</b>	-	-	<b>\$964,096</b>	<b>\$3,872,967</b>	<b>\$3,972,624</b>	<b>\$4,079,663</b>	<b>\$12,899,938</b>	<b>\$25,789,288</b>



# City of Mesa

Five-Year Capital Improvement Program  
FY 2018 - 2022

## TRANSPORTATION

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

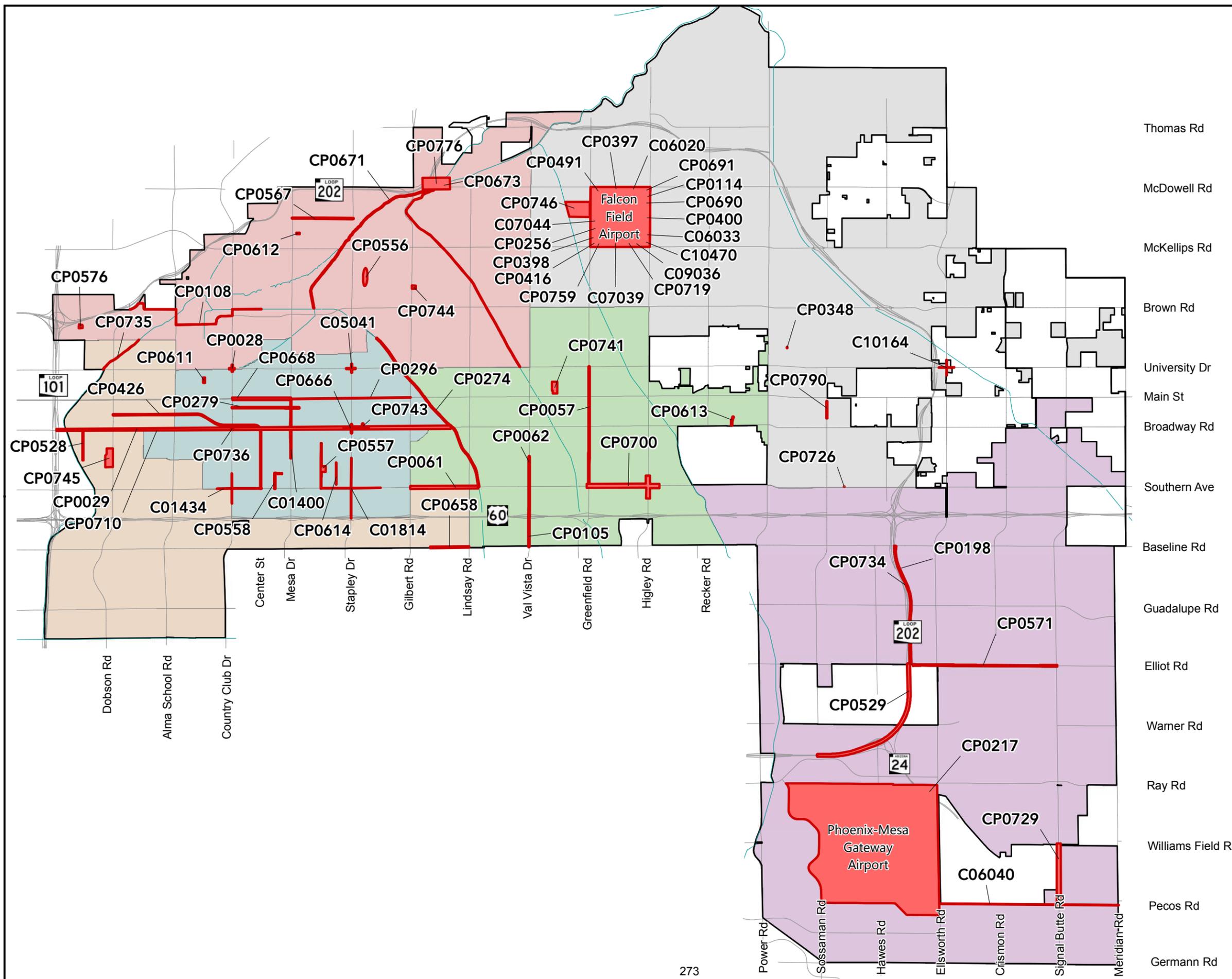
### Citywide, External or Location TBD Projects

C06029	CP0439	CP0660
CN0003	CP0491	CP0672
CP0109	CP0531	CP0702
CP0294	CP0532	CP0728
CP0342	CP0586	CP0762
CP0419	CP0653	CP0763
CP0432	CP0655	CP0780



MAP CREATION DATE: 6/8/2017  
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

- CAPITAL IMPROVEMENT PROGRAM OVERVIEW
- MAJOR PROGRAM SUMMARY- CAPITAL EXPENDITURES
- MAJOR PROGRAM SUMMARY- START-UP AND OPERATIONAL EXPENSE
- GENERAL GOVERNMENT
- PARKS AND CULTURE
- PUBLIC SAFETY
- TRANSPORTATION
- UTILITIES

FISCAL YEARS  
**2018-2022**  
MESA, ARIZONA

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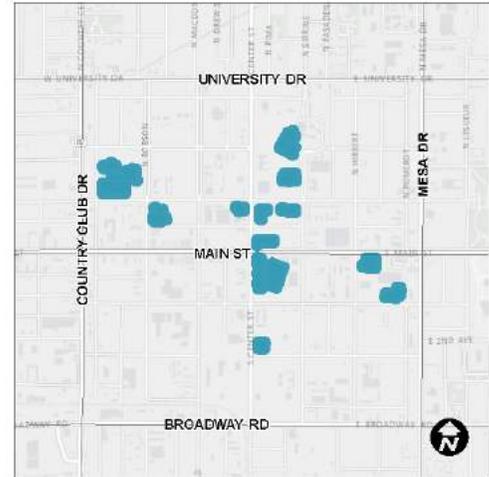
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital - General Fund	-	\$40,000	-	-	-	-	-	\$40,000
<b>Total:</b>	-	<b>\$40,000</b>	-	-	-	-	-	<b>\$40,000</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$1,905	-	-	-	-	-	\$1,905
Design	-	\$38,095	-	-	-	-	-	\$38,095
<b>Total</b>	-	<b>\$40,000</b>	-	-	-	-	-	<b>\$40,000</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09019 - 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Electric Bond	\$887,876	-	-	-	-	-	-	\$887,876
2014 Electric Bond	-	\$568,037	\$571,119	\$412,013	-	-	-	\$1,551,169
2020 Electric Bond	-	-	-	-	\$622,719	\$639,498	\$1,328,173	\$2,590,390
Future Electric Bond	-	-	-	-	-	-	\$1,395,637	\$1,395,637
<b>Total:</b>	<b>\$887,876</b>	<b>\$568,037</b>	<b>\$571,119</b>	<b>\$412,013</b>	<b>\$622,719</b>	<b>\$639,498</b>	<b>\$2,723,810</b>	<b>\$6,425,072</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$65,206	\$65,350	\$65,705	\$47,400	\$71,641	\$73,571	\$313,360	\$702,233
Construction	\$816,423	\$502,185	\$504,908	\$364,248	\$550,527	\$565,361	\$2,408,040	\$5,711,692
Design	\$6,247	-	-	-	-	-	-	\$6,247
Direct Expenses	-	\$502	\$506	\$365	\$551	\$566	\$2,410	\$4,900
<b>Total</b>	<b>\$887,876</b>	<b>\$568,037</b>	<b>\$571,119</b>	<b>\$412,013</b>	<b>\$622,719</b>	<b>\$639,498</b>	<b>\$2,723,810</b>	<b>\$6,425,072</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09020 - 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Electric Bond	\$122,576	-	-	-	-	-	-	\$122,576
2014 Electric Bond	-	\$630,039	\$530,705	\$544,500	-	-	-	\$1,705,244
2020 Electric Bond	-	-	-	-	\$2,565,136	\$2,634,251	\$5,406,166	\$10,605,553
Future Electric Bond	-	-	-	-	-	-	\$5,680,762	\$5,680,762
<b>Total:</b>	<b>\$122,576</b>	<b>\$630,039</b>	<b>\$530,705</b>	<b>\$544,500</b>	<b>\$2,565,136</b>	<b>\$2,634,251</b>	<b>\$11,086,928</b>	<b>\$18,114,135</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$9,525	\$72,482	\$61,054	\$62,641	\$295,103	\$303,054	\$1,275,485	\$2,079,344
Construction	\$113,051	\$557,000	\$469,182	\$481,377	\$2,267,765	\$2,328,868	\$9,801,641	\$16,018,884
Direct Expenses	-	\$557	\$469	\$482	\$2,268	\$2,329	\$9,802	\$15,907
<b>Total</b>	<b>\$122,576</b>	<b>\$630,039</b>	<b>\$530,705</b>	<b>\$544,500</b>	<b>\$2,565,136</b>	<b>\$2,634,251</b>	<b>\$11,086,928</b>	<b>\$18,114,135</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Electric Bond	-	\$282,783	\$289,570	\$296,724	-	-	-	\$869,077
2020 Electric Bond	-	-	-	-	\$304,359	\$312,560	\$649,157	\$1,266,076
Future Electric Bond	-	-	-	-	-	-	\$682,129	\$682,129
<b>Total:</b>	-	<b>\$282,783</b>	<b>\$289,570</b>	<b>\$296,724</b>	<b>\$304,359</b>	<b>\$312,560</b>	<b>\$1,331,286</b>	<b>\$2,817,282</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$32,533	\$33,314	\$34,137	\$35,015	\$35,959	\$153,159	\$324,117
Construction	-	\$250,000	\$256,000	\$262,325	\$269,075	\$276,325	\$1,176,950	\$2,490,675
Direct Expenses	-	\$250	\$256	\$262	\$269	\$276	\$1,177	\$2,490
<b>Total</b>	-	<b>\$282,783</b>	<b>\$289,570</b>	<b>\$296,724</b>	<b>\$304,359</b>	<b>\$312,560</b>	<b>\$1,331,286</b>	<b>\$2,817,282</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09024 - 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Electric Bond	\$50,273	-	-	-	-	-	-	\$50,273
Utility Replacement Extension and Renewal - ELC	-	\$433,768	\$451,329	\$461,520	\$499,264	\$498,893	\$2,082,189	\$4,426,963
<b>Total:</b>	<b>\$50,273</b>	<b>\$433,768</b>	<b>\$451,329</b>	<b>\$461,520</b>	<b>\$499,264</b>	<b>\$498,893</b>	<b>\$2,082,189</b>	<b>\$4,477,236</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$3,942	\$49,902	\$51,923	\$53,096	\$57,438	\$57,395	\$239,543	\$513,239
Construction	\$46,331	\$383,482	\$399,008	\$408,016	\$441,385	\$441,057	\$1,840,806	\$3,960,085
Direct Expenses	-	\$384	\$398	\$408	\$441	\$441	\$1,840	\$3,912
<b>Total</b>	<b>\$50,273</b>	<b>\$433,768</b>	<b>\$451,329</b>	<b>\$461,520</b>	<b>\$499,264</b>	<b>\$498,893</b>	<b>\$2,082,189</b>	<b>\$4,477,236</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09023 - Electric New 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Electric Bond	\$8,792	-	-	-	-	-	-	\$8,792
2014 Electric Bond	-	\$400,461	\$388,437	\$390,525	-	-	-	\$1,179,423
2020 Electric Bond	-	-	-	-	\$1,217,435	\$1,250,238	\$2,596,621	\$5,064,294
Future Electric Bond	-	-	-	-	-	-	\$2,728,512	\$2,728,512
<b>Total:</b>	<b>\$8,792</b>	<b>\$400,461</b>	<b>\$388,437</b>	<b>\$390,525</b>	<b>\$1,217,435</b>	<b>\$1,250,238</b>	<b>\$5,325,133</b>	<b>\$8,981,021</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$264	\$46,071	\$44,687	\$44,928	\$140,059	\$143,833	\$612,626	\$1,032,468
Construction	\$8,528	\$354,036	\$343,407	\$345,252	\$1,076,300	\$1,105,300	\$4,707,800	\$7,940,623
Direct Expenses	-	\$354	\$343	\$345	\$1,076	\$1,105	\$4,707	\$7,930
<b>Total</b>	<b>\$8,792</b>	<b>\$400,461</b>	<b>\$388,437</b>	<b>\$390,525</b>	<b>\$1,217,435</b>	<b>\$1,250,238</b>	<b>\$5,325,133</b>	<b>\$8,981,021</b>

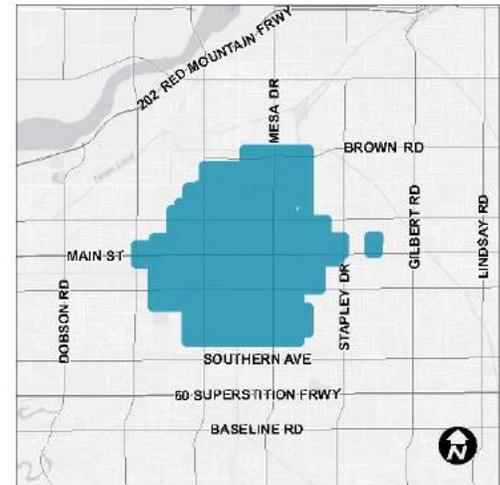
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Electric Bond	-	\$265,816	\$272,196	\$118,690	-	-	-	\$656,702
2020 Electric Bond	-	-	-	-	\$121,744	-	-	\$121,744
<b>Total:</b>	-	<b>\$265,816</b>	<b>\$272,196</b>	<b>\$118,690</b>	<b>\$121,744</b>	-	-	<b>\$778,446</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$30,581	\$31,315	\$13,655	\$14,006	-	-	\$89,557
Construction	-	\$235,000	\$240,640	\$104,930	\$107,630	-	-	\$688,200
Direct Expenses	-	\$235	\$241	\$105	\$108	-	-	\$689
<b>Total</b>	-	<b>\$265,816</b>	<b>\$272,196</b>	<b>\$118,690</b>	<b>\$121,744</b>	-	-	<b>\$778,446</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09022 - 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Electric Bond	\$12,372	-	-	-	-	-	-	\$12,372
2014 Electric Bond	-	\$1,329,078	\$28,957	-	-	-	-	\$1,358,035
<b>Total:</b>	<b>\$12,372</b>	<b>\$1,329,078</b>	<b>\$28,957</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,370,407</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$712	\$152,903	\$3,331	-	-	-	-	\$156,946
Construction	\$11,508	\$1,175,000	\$25,600	-	-	-	-	\$1,212,108
Design	\$152	-	-	-	-	-	-	\$152
Direct Expenses	-	\$1,175	\$26	-	-	-	-	\$1,201
<b>Total</b>	<b>\$12,372</b>	<b>\$1,329,078</b>	<b>\$28,957</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,370,407</b>

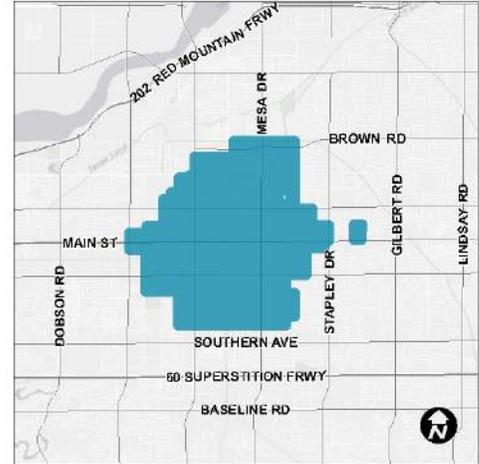
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Electric

#### CP0193 - Electric System Retirements

##### Project Description

Retire elements of the City's electric system that have reached the end of their support lifecycle throughout the City.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Electric	\$3,080	\$113,406	\$115,827	\$118,690	\$121,744	\$125,024	\$532,513	\$1,130,284
<b>Total:</b>	<b>\$3,080</b>	<b>\$113,406</b>	<b>\$115,827</b>	<b>\$118,690</b>	<b>\$121,744</b>	<b>\$125,024</b>	<b>\$532,513</b>	<b>\$1,130,284</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$209	\$13,013	\$13,325	\$13,655	\$14,006	\$14,383	\$61,263	\$129,854
Construction	\$2,871	\$100,293	\$102,400	\$104,930	\$107,630	\$110,530	\$470,780	\$999,434
Direct Expenses	-	\$100	\$102	\$105	\$108	\$111	\$470	\$996
<b>Total</b>	<b>\$3,080</b>	<b>\$113,406</b>	<b>\$115,827</b>	<b>\$118,690</b>	<b>\$121,744</b>	<b>\$125,024</b>	<b>\$532,513</b>	<b>\$1,130,284</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Electric	-	-	-	-	-	-	-	-
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Electric**

**C09021 - Electric Transmission**

***Project Description***

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Electric Bond	-	\$113,113	-	-	-	-	-	\$113,113
<b>Total:</b>	-	<b>\$113,113</b>	-	-	-	-	-	<b>\$113,113</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	-	\$13,013	-	-	-	-	-	\$13,013
Construction	-	\$100,000	-	-	-	-	-	\$100,000
Direct Expenses	-	\$100	-	-	-	-	-	\$100
<b>Total</b>	-	<b>\$113,113</b>	-	-	-	-	-	<b>\$113,113</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Electric Bond	\$139	-	-	-	-	-	-	\$139
Electric	\$12,374	\$204,342	-	-	-	-	-	\$216,716
<b>Total:</b>	<b>\$12,514</b>	<b>\$204,342</b>	-	-	-	-	-	<b>\$216,856</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$924	\$11,353	-	-	-	-	-	\$12,277
Construction	\$18	\$183,930	-	-	-	-	-	\$183,948
Design	\$11,572	\$9,059	-	-	-	-	-	\$20,631
<b>Total</b>	<b>\$12,514</b>	<b>\$204,342</b>	-	-	-	-	-	<b>\$216,856</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**C04046 - Aging Utility Infrastructure Replacement**

***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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$1,887,429	-	-	\$1,887,429
<b>Total:</b>	-	-	-	-	<b>\$1,887,429</b>	-	-	<b>\$1,887,429</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$171,585	-	-	\$171,585
Construction	-	-	-	-	\$1,574,338	-	-	\$1,574,338
Design	-	-	-	-	\$139,791	-	-	\$139,791
Direct Expenses	-	-	-	-	\$1,715	-	-	\$1,715
<b>Total</b>	-	-	-	-	<b>\$1,887,429</b>	-	-	<b>\$1,887,429</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**CP0060 - Country Club Drive and Brown Road Intersection**

**Project Description**

Replace utility lines in the intersection to prevent service disruption.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$13,012	\$135,920	-	\$148,932
<b>Total:</b>	-	-	-	-	<b>\$13,012</b>	<b>\$135,920</b>	-	<b>\$148,932</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$1,183	\$12,356	-	\$13,539
Construction	-	-	-	-	-	\$123,440	-	\$123,440
Design	-	-	-	-	\$11,817	-	-	\$11,817
Direct Expenses	-	-	-	-	\$12	\$124	-	\$136
<b>Total</b>	-	-	-	-	<b>\$13,012</b>	<b>\$135,920</b>	-	<b>\$148,932</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**C01454 - 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Natural Gas	\$171	\$110,110	\$112,752	\$115,538	\$118,512	\$121,705	\$518,375	\$1,097,163
<b>Total:</b>	<b>\$171</b>	<b>\$110,110</b>	<b>\$112,752</b>	<b>\$115,538</b>	<b>\$118,512</b>	<b>\$121,705</b>	<b>\$518,375</b>	<b>\$1,097,163</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$14	\$10,010	\$10,250	\$10,503	\$10,774	\$11,064	\$47,125	\$99,740
Construction	\$157	\$100,000	\$102,400	\$104,930	\$107,630	\$110,530	\$470,780	\$996,427
Direct Expenses	-	\$100	\$102	\$105	\$108	\$111	\$470	\$996
<b>Total</b>	<b>\$171</b>	<b>\$110,110</b>	<b>\$112,752</b>	<b>\$115,538</b>	<b>\$118,512</b>	<b>\$121,705</b>	<b>\$518,375</b>	<b>\$1,097,163</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**CP0153 - 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. These improvements are planned over several fiscal years.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Gas Bond	-	\$509,873	\$556,435	\$607,250	-	-	-	\$1,673,558
2020 Gas Bond	-	-	-	-	\$664,541	\$729,489	\$1,671,171	\$3,065,201
Future Gas Bond	-	-	-	-	-	-	\$1,998,846	\$1,998,846
<b>Total:</b>	<b>-</b>	<b>\$509,873</b>	<b>\$556,435</b>	<b>\$607,250</b>	<b>\$664,541</b>	<b>\$729,489</b>	<b>\$3,670,017</b>	<b>\$6,737,605</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$46,352	\$50,585	\$55,205	\$60,413	\$66,317	\$333,638	\$612,510
Construction	-	\$463,058	\$505,344	\$551,493	\$603,524	\$662,510	\$3,333,046	\$6,118,975
Direct Expenses	-	\$463	\$506	\$552	\$604	\$662	\$3,333	\$6,120
<b>Total</b>	<b>-</b>	<b>\$509,873</b>	<b>\$556,435</b>	<b>\$607,250</b>	<b>\$664,541</b>	<b>\$729,489</b>	<b>\$3,670,017</b>	<b>\$6,737,605</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**CP0155 - Gas System: Aging Infrastructure Replacement**

***Project Description***

Replace necessary gas system infrastructure identified during the annual leak survey and corrosion control program to ensure operational integrity of the natural gas pipeline system. These improvements are planned over several fiscal years.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Gas Bond	\$87,033	-	-	-	-	-	-	\$87,033
2014 Gas Bond	-	\$1,965,203	\$2,066,895	\$1,945,838	-	-	-	\$5,977,936
2020 Gas Bond	-	-	-	-	\$3,519,152	\$3,562,003	\$7,711,438	\$14,792,593
Future Gas Bond	-	-	-	-	-	-	\$8,383,039	\$8,383,039
<b>Total:</b>	<b>\$87,033</b>	<b>\$1,965,203</b>	<b>\$2,066,895</b>	<b>\$1,945,838</b>	<b>\$3,519,152</b>	<b>\$3,562,003</b>	<b>\$16,094,477</b>	<b>\$29,240,601</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$9,894	\$180,657	\$187,900	\$176,894	\$319,923	\$323,819	\$1,463,134	\$2,662,221
Construction	\$73,943	\$1,546,000	\$1,673,139	\$1,544,570	\$2,963,127	\$2,991,512	\$13,534,010	\$24,326,301
Design	\$3,197	\$237,000	\$204,183	\$222,829	\$232,906	\$243,437	\$1,082,718	\$2,226,270
Direct Expenses	-	\$1,546	\$1,673	\$1,545	\$3,196	\$3,235	\$14,615	\$25,810
<b>Total</b>	<b>\$87,033</b>	<b>\$1,965,203</b>	<b>\$2,066,895</b>	<b>\$1,945,838</b>	<b>\$3,519,152</b>	<b>\$3,562,003</b>	<b>\$16,094,477</b>	<b>\$29,240,601</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	-	\$120,043	\$1,464,636	\$1,584,679
<b>Total:</b>	-	-	-	-	-	<b>\$120,043</b>	<b>\$1,464,636</b>	<b>\$1,584,679</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$10,913	\$133,148	\$144,061
Construction	-	-	-	-	-	-	\$1,330,157	\$1,330,157
Design	-	-	-	-	-	\$109,021	-	\$109,021
Direct Expenses	-	-	-	-	-	\$109	\$1,331	\$1,440
<b>Total</b>	-	-	-	-	-	<b>\$120,043</b>	<b>\$1,464,636</b>	<b>\$1,584,679</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### CP0221 - McKellips Road 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$27,703	\$335,691	-	\$363,394
<b>Total:</b>	-	-	-	-	<b>\$27,703</b>	<b>\$335,691</b>	-	<b>\$363,394</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$2,519	\$30,517	-	\$33,036
Construction	-	-	-	-	-	\$304,869	-	\$304,869
Design	-	-	-	-	\$25,159	-	-	\$25,159
Direct Expenses	-	-	-	-	\$25	\$305	-	\$330
<b>Total</b>	-	-	-	-	<b>\$27,703</b>	<b>\$335,691</b>	-	<b>\$363,394</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### C10561 - Mesa Drive: Main Street to University Drive

##### Project Description

Replace aging sewer and gas lines from Main to University to avoid service disruption.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Gas Bond	-	\$410,424	-	-	-	-	-	\$410,424
2014 Wastewater Bond	-	\$239,423	-	-	-	-	-	\$239,423
<b>Total:</b>	-	<b>\$649,847</b>	-	-	-	-	-	<b>\$649,847</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$50,863	-	-	-	-	-	\$50,863
Construction	-	\$596,375	-	-	-	-	-	\$596,375
Direct Expenses	-	\$2,609	-	-	-	-	-	\$2,609
<b>Total</b>	-	<b>\$649,847</b>	-	-	-	-	-	<b>\$649,847</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Gas Bond	\$355,408	-	-	-	-	-	-	\$355,408
2014 Gas Bond	\$126,093	\$132,132	\$135,303	-	-	-	-	\$393,528
<b>Total:</b>	<b>\$481,501</b>	<b>\$132,132</b>	<b>\$135,303</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$748,936</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$53,557	\$12,012	\$12,300	-	-	-	-	\$77,869
Construction	\$368,183	\$120,000	\$122,880	-	-	-	-	\$611,064
Design	\$59,761	-	-	-	-	-	-	\$59,761
Direct Expenses	-	\$120	\$123	-	-	-	-	\$243
<b>Total</b>	<b>\$481,501</b>	<b>\$132,132</b>	<b>\$135,303</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$748,936</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### CP0219 - Stapley Drive Utility Line; University to McKellips

##### Project Description

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



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$92,568	\$2,199,927	-	\$2,292,495
<b>Total:</b>	-	-	-	-	<b>\$92,568</b>	<b>\$2,199,927</b>	-	<b>\$2,292,495</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$8,416	\$199,993	-	\$208,409
Construction	-	-	-	-	-	\$1,997,936	-	\$1,997,936
Design	-	-	-	-	\$84,068	-	-	\$84,068
Direct Expenses	-	-	-	-	\$84	\$1,998	-	\$2,082
<b>Total</b>	-	-	-	-	<b>\$92,568</b>	<b>\$2,199,927</b>	-	<b>\$2,292,495</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$33,855	-	-	-	\$33,855
2020 Gas Bond	-	-	-	-	\$853,706	-	-	\$853,706
<b>Total:</b>	-	-	-	<b>\$33,855</b>	<b>\$853,706</b>	-	-	<b>\$887,561</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$3,078	\$77,610	-	-	\$80,688
Construction	-	-	-	-	\$775,321	-	-	\$775,321
Design	-	-	-	\$30,747	-	-	-	\$30,747
Direct Expenses	-	-	-	\$30	\$775	-	-	\$805
<b>Total</b>	-	-	-	<b>\$33,855</b>	<b>\$853,706</b>	-	-	<b>\$887,561</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Aging Infrastructure**

**C10386 - Utility Line Replacement in Quarter Section 36B**

**Project Description**

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



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$36,605	\$632,449	-	\$669,054
<b>Total:</b>	-	-	-	-	<b>\$36,605</b>	<b>\$632,449</b>	-	<b>\$669,054</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$3,328	\$57,495	-	\$60,823
Construction	-	-	-	-	-	\$574,379	-	\$574,379
Design	-	-	-	-	\$33,244	-	-	\$33,244
Direct Expenses	-	-	-	-	\$33	\$575	-	\$608
<b>Total</b>	-	-	-	-	<b>\$36,605</b>	<b>\$632,449</b>	-	<b>\$669,054</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$274,952	-	-	-	\$274,952
2020 Gas Bond	-	-	-	-	\$4,962,882	-	-	\$4,962,882
<b>Total:</b>	-	-	-	<b>\$274,952</b>	<b>\$4,962,882</b>	-	-	<b>\$5,237,834</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$24,995	\$451,171	-	-	\$476,166
Construction	-	-	-	-	\$4,507,203	-	-	\$4,507,203
Design	-	-	-	\$249,707	-	-	-	\$249,707
Direct Expenses	-	-	-	\$250	\$4,508	-	-	\$4,758
<b>Total</b>	-	-	-	<b>\$274,952</b>	<b>\$4,962,882</b>	-	-	<b>\$5,237,834</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$376,000	-	-	-	\$376,000
2020 Gas Bond	-	-	-	-	\$5,974,577	-	-	\$5,974,577
<b>Total:</b>	-	-	-	<b>\$376,000</b>	<b>\$5,974,577</b>	-	-	<b>\$6,350,577</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$34,182	\$543,143	-	-	\$577,325
Construction	-	-	-	-	\$5,426,008	-	-	\$5,426,008
Design	-	-	-	\$341,477	-	-	-	\$341,477
Direct Expenses	-	-	-	\$341	\$5,426	-	-	\$5,767
<b>Total</b>	-	-	-	<b>\$376,000</b>	<b>\$5,974,577</b>	-	-	<b>\$6,350,577</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### C10381 - Utility Line Replacement in Quarter Sections 20A & 20B

##### Project Description

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



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$1,314,073	-	-	\$1,314,073
<b>Total:</b>	-	-	-	-	<b>\$1,314,073</b>	-	-	<b>\$1,314,073</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$119,461	-	-	\$119,461
Construction	-	-	-	-	\$1,124,797	-	-	\$1,124,797
Design	-	-	-	-	\$68,621	-	-	\$68,621
Direct Expenses	-	-	-	-	\$1,194	-	-	\$1,194
<b>Total</b>	-	-	-	-	<b>\$1,314,073</b>	-	-	<b>\$1,314,073</b>

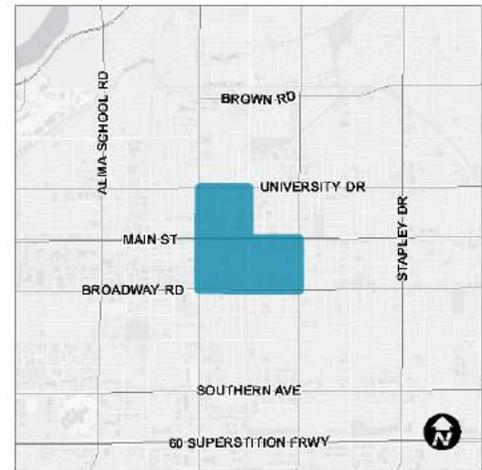
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### C10384 - Utility Line Replacement in Quarter Sections 29A, 29B, & 29D

##### Project Description

Replace aging main and service lines in plat quarter section 29A, 29B and 29D.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	\$431,414	-	-	-	-	-	\$431,414
<b>Total:</b>	-	<b>\$431,414</b>	-	-	-	-	-	<b>\$431,414</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$39,219	-	-	-	-	-	\$39,219
Construction	-	\$391,803	-	-	-	-	-	\$391,803
Direct Expenses	-	\$392	-	-	-	-	-	\$392
<b>Total</b>	-	<b>\$431,414</b>	-	-	-	-	-	<b>\$431,414</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$889,284	-	-	\$889,284
<b>Total:</b>	-	-	-	-	<b>\$889,284</b>	-	-	<b>\$889,284</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$80,844	-	-	\$80,844
Construction	-	-	-	-	\$807,633	-	-	\$807,633
Direct Expenses	-	-	-	-	\$807	-	-	\$807
<b>Total</b>	-	-	-	-	<b>\$889,284</b>	-	-	<b>\$889,284</b>

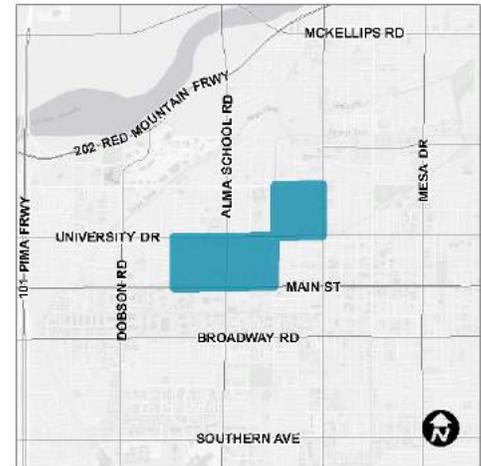
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	\$1,325,746	-	-	-	-	-	\$1,325,746
<b>Total:</b>	-	<b>\$1,325,746</b>	-	-	-	-	-	<b>\$1,325,746</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$120,522	-	-	-	-	-	\$120,522
Construction	-	\$1,204,020	-	-	-	-	-	\$1,204,020
Direct Expenses	-	\$1,204	-	-	-	-	-	\$1,204
<b>Total</b>	-	<b>\$1,325,746</b>	-	-	-	-	-	<b>\$1,325,746</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### C10385 - Utility Line Replacement in Rio Salado Parkway

##### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	-	-	-	\$5,401	-	-	-	\$5,401
2020 Gas Bond	-	-	-	-	\$71,564	-	-	\$71,564
<b>Total:</b>	-	-	-	<b>\$5,401</b>	<b>\$71,564</b>	-	-	<b>\$76,965</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	\$491	\$6,506	-	-	\$6,997
Construction	-	-	-	-	\$64,993	-	-	\$64,993
Design	-	-	-	\$4,905	-	-	-	\$4,905
Direct Expenses	-	-	-	\$5	\$65	-	-	\$70
<b>Total</b>	-	-	-	<b>\$5,401</b>	<b>\$71,564</b>	-	-	<b>\$76,965</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### CP0023 - Utility Main Replacements

##### *Project Description*

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



## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Aging Infrastructure

#### C10562 - Warner Road: Power to Sossaman

##### *Project Description*

Replace aging infrastructure to avoid service disruption from Power to Sossaman.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$176,842	\$2,053,113	-	\$2,229,955
2020 Water Bond	-	-	-	-	\$96,951	\$1,005,598	-	\$1,102,549
<b>Total:</b>	-	-	-	-	<b>\$273,793</b>	<b>\$3,058,711</b>	-	<b>\$3,332,504</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$20,693	\$234,532	-	\$255,225
Construction	-	-	-	-	-	\$2,812,832	-	\$2,812,832
Design	-	-	-	-	\$252,940	-	-	\$252,940
Direct Expenses	-	-	-	-	\$160	\$11,347	-	\$11,507
<b>Total</b>	-	-	-	-	<b>\$273,793</b>	<b>\$3,058,711</b>	-	<b>\$3,332,504</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Growth**

**CP0677 - East Valley Institute of Technology 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 campus on Main Street, west of Alma School Road.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$2,370,228	-	-	\$2,370,228
<b>Total:</b>	-	-	-	-	<b>\$2,370,228</b>	-	-	<b>\$2,370,228</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$215,475	-	-	\$215,475
Construction	-	-	-	-	\$1,937,340	-	-	\$1,937,340
Design	-	-	-	-	\$215,260	-	-	\$215,260
Direct Expenses	-	-	-	-	\$2,153	-	-	\$2,153
<b>Total</b>	-	-	-	-	<b>\$2,370,228</b>	-	-	<b>\$2,370,228</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Natural Gas Growth

#### CP0156 - Gas Meters: New and Replacement

##### Project Description

Install residential and commercial/industrial size gas meters to ensure accurate measurement of gas sold.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	\$194,715	-	-	-	-	-	-	\$194,715
2014 Gas Bond	-	\$384,827	\$422,185	\$430,802	-	-	-	\$1,237,814
2020 Gas Bond	-	-	-	-	\$467,034	\$466,160	\$968,170	\$1,901,364
Future Gas Bond	-	-	-	-	-	-	\$1,017,345	\$1,017,345
Utility Replacement Extension and Renewal - GAS	-	\$384,827	\$422,185	\$430,802	\$467,034	\$466,160	\$1,985,515	\$4,156,523
<b>Total:</b>	<b>\$194,715</b>	<b>\$769,654</b>	<b>\$844,370</b>	<b>\$861,604</b>	<b>\$934,068</b>	<b>\$932,320</b>	<b>\$3,971,030</b>	<b>\$8,507,761</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$22,553	\$69,968	\$76,762	\$78,328	\$84,916	\$84,756	\$361,004	\$778,287
Construction	-	\$698,986	\$766,842	\$782,494	\$848,304	\$846,718	\$3,606,420	\$7,549,764
Direct Expenses	-	\$700	\$766	\$782	\$848	\$846	\$3,606	\$7,548
Purchases	\$172,162	-	-	-	-	-	-	\$172,162
<b>Total</b>	<b>\$194,715</b>	<b>\$769,654</b>	<b>\$844,370</b>	<b>\$861,604</b>	<b>\$934,068</b>	<b>\$932,320</b>	<b>\$3,971,030</b>	<b>\$8,507,761</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
2010 Gas Bond	\$2,553	-	-	-	-	-	-	\$2,553
<b>Total:</b>	<b>\$2,553</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,553</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Growth**

**CP0152 - Gas System New Mains**

**Project Description**

Extend mains and services to new subdivisions. These improvements are planned over several fiscal years.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Gas Bond	\$117,750	-	-	-	-	-	-	\$117,750
2014 Gas Bond	-	\$2,578,060	\$2,822,668	\$3,181,453	-	-	-	\$8,582,181
2020 Gas Bond	-	-	-	-	\$4,446,863	\$4,795,015	\$10,721,415	\$19,963,293
Future Gas Bond	-	-	-	-	-	-	\$12,396,453	\$12,396,453
<b>Total:</b>	<b>\$117,750</b>	<b>\$2,578,060</b>	<b>\$2,822,668</b>	<b>\$3,181,453</b>	<b>\$4,446,863</b>	<b>\$4,795,015</b>	<b>\$23,117,868</b>	<b>\$41,059,677</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$13,422	\$234,369	\$256,606	\$289,223	\$404,260	\$435,910	\$2,101,624	\$3,735,414
Construction	\$103,148	\$2,341,350	\$2,563,499	\$2,889,340	\$4,038,565	\$4,354,750	\$20,995,247	\$37,285,899
Design	\$1,181	-	-	-	-	-	-	\$1,181
Direct Expenses	-	\$2,341	\$2,563	\$2,890	\$4,038	\$4,355	\$20,997	\$37,184
<b>Total</b>	<b>\$117,750</b>	<b>\$2,578,060</b>	<b>\$2,822,668</b>	<b>\$3,181,453</b>	<b>\$4,446,863</b>	<b>\$4,795,015</b>	<b>\$23,117,868</b>	<b>\$41,059,677</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Growth**

**CP0151 - Gas System New Services**

***Project Description***

Install gas lines in new subdivision developments throughout the City and Magma area. These improvements are planned over several fiscal years.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Gas Bond	\$7,474	-	-	-	-	-	-	\$7,474
2014 Gas Bond	-	\$2,333,767	\$2,603,977	\$2,801,731	-	-	-	\$7,739,475
2020 Gas Bond	-	-	-	-	\$3,017,514	\$3,253,757	\$7,275,242	\$13,546,513
Future Gas Bond	-	-	-	-	-	-	\$8,408,513	\$8,408,513
<b>Total:</b>	<b>\$7,474</b>	<b>\$2,333,767</b>	<b>\$2,603,977</b>	<b>\$2,801,731</b>	<b>\$3,017,514</b>	<b>\$3,253,757</b>	<b>\$15,683,755</b>	<b>\$29,701,975</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$703	\$212,161	\$236,725	\$254,703	\$274,320	\$295,796	\$1,425,796	\$2,700,204
Construction	\$6,771	\$2,119,487	\$2,364,888	\$2,544,483	\$2,740,454	\$2,955,007	\$14,243,716	\$26,974,806
Direct Expenses	-	\$2,119	\$2,364	\$2,545	\$2,740	\$2,954	\$14,243	\$26,965
<b>Total</b>	<b>\$7,474</b>	<b>\$2,333,767</b>	<b>\$2,603,977</b>	<b>\$2,801,731</b>	<b>\$3,017,514</b>	<b>\$3,253,757</b>	<b>\$15,683,755</b>	<b>\$29,701,975</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Natural Gas Growth**

**CP0154 - High Pressure Gas Main Installations**

***Project Description***

Install high pressure gas main to meet anticipated growth of the City. These improvements are planned over several fiscal years.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Gas Bond	\$4,669	-	-	-	-	-	-	\$4,669
2014 Gas Bond	-	\$738,712	\$794,261	\$854,580	-	-	-	\$2,387,553
2020 Gas Bond	-	-	-	-	\$920,399	\$992,457	\$2,219,086	\$4,131,942
Future Gas Bond	-	-	-	-	-	-	\$2,567,847	\$2,567,847
<b>Total:</b>	<b>\$4,669</b>	<b>\$738,712</b>	<b>\$794,261</b>	<b>\$854,580</b>	<b>\$920,399</b>	<b>\$992,457</b>	<b>\$4,786,933</b>	<b>\$9,092,011</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$534	\$67,156	\$72,205	\$77,689	\$83,673	\$90,223	\$435,176	\$826,656
Construction	\$4,135	\$670,885	\$721,335	\$776,115	\$835,890	\$901,333	\$4,347,410	\$8,257,103
Direct Expenses	-	\$671	\$721	\$776	\$836	\$901	\$4,347	\$8,252
<b>Total</b>	<b>\$4,669</b>	<b>\$738,712</b>	<b>\$794,261</b>	<b>\$854,580</b>	<b>\$920,399</b>	<b>\$992,457</b>	<b>\$4,786,933</b>	<b>\$9,092,011</b>

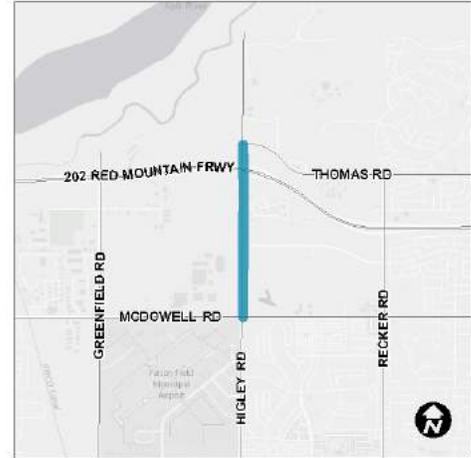
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Gas Bond	\$1,122	-	-	\$1,685,213	-	-	-	\$1,686,335
<b>Total:</b>	<b>\$1,122</b>	<b>-</b>	<b>-</b>	<b>\$1,685,213</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,686,335</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$125	-	-	\$153,201	-	-	-	\$153,326
Construction	-	-	-	\$1,530,481	-	-	-	\$1,530,481
Design	\$997	-	-	-	-	-	-	\$997
Direct Expenses	-	-	-	\$1,531	-	-	-	\$1,531
<b>Total</b>	<b>\$1,122</b>	<b>-</b>	<b>-</b>	<b>\$1,685,213</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,686,335</b>

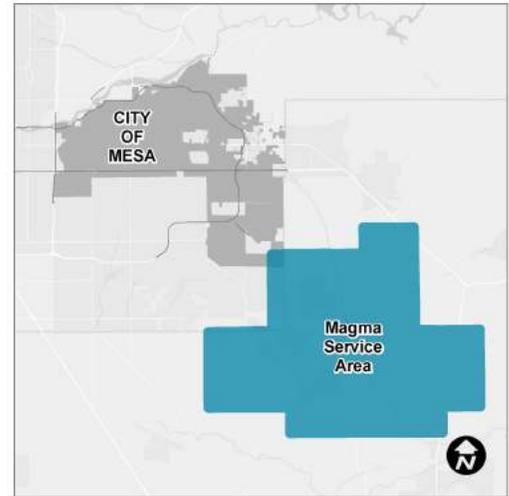
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Gas Bond	-	-	-	-	\$533,301	-	-	\$533,301
<b>Total:</b>	-	-	-	-	<b>\$533,301</b>	-	-	<b>\$533,301</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$48,482	-	-	\$48,482
Construction	-	-	-	-	\$484,335	-	-	\$484,335
Direct Expenses	-	-	-	-	\$484	-	-	\$484
<b>Total</b>	-	-	-	-	<b>\$533,301</b>	-	-	<b>\$533,301</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2010 Gas Bond	\$5,835	-	-	-	-	-	-	\$5,835
2014 Gas Bond	-	\$110,110	\$61,897	\$64,518	-	-	-	\$236,525
2020 Gas Bond	-	-	-	-	\$67,316	\$70,319	\$149,850	\$287,485
Future Gas Bond	-	-	-	-	-	-	\$162,958	\$162,958
<b>Total:</b>	<b>\$5,835</b>	<b>\$110,110</b>	<b>\$61,897</b>	<b>\$64,518</b>	<b>\$67,316</b>	<b>\$70,319</b>	<b>\$312,808</b>	<b>\$692,803</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$615	\$10,010	\$5,627	\$5,866	\$6,120	\$6,393	\$28,436	\$63,067
Construction	\$5,220	\$100,000	\$56,214	\$58,593	\$61,135	\$63,862	\$284,086	\$629,110
Direct Expenses	-	\$100	\$56	\$59	\$61	\$64	\$286	\$626
<b>Total</b>	<b>\$5,835</b>	<b>\$110,110</b>	<b>\$61,897</b>	<b>\$64,518</b>	<b>\$67,316</b>	<b>\$70,319</b>	<b>\$312,808</b>	<b>\$692,803</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2006 Wastewater Bond	-	-	-	-	-	-	-	-
2014 Wastewater Bond	\$2,990,442	\$4,009,846	\$3,984,016	\$4,433,042	-	-	-	\$15,417,346
2020 Wastewater Bond	-	-	-	-	\$5,758,205	\$5,913,355	\$18,653,845	\$30,325,405
<b>Total:</b>	<b>\$2,990,442</b>	<b>\$4,009,846</b>	<b>\$3,984,016</b>	<b>\$4,433,042</b>	<b>\$5,758,205</b>	<b>\$5,913,355</b>	<b>\$18,653,845</b>	<b>\$45,742,751</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	-	\$4,009,846	\$3,984,016	\$4,433,042	\$5,758,205	\$5,913,355	\$18,653,845	\$42,752,309
Mesa Share	\$2,990,442	-	-	-	-	-	-	\$2,990,442
<b>Total</b>	<b>\$2,990,442</b>	<b>\$4,009,846</b>	<b>\$3,984,016</b>	<b>\$4,433,042</b>	<b>\$5,758,205</b>	<b>\$5,913,355</b>	<b>\$18,653,845</b>	<b>\$45,742,751</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2020 Wastewater Bond	-	-	-	-	\$1,259,598	\$6,665,912	\$10,794,081	\$18,719,591
<b>Total:</b>	-	-	-	-	<b>\$1,259,598</b>	<b>\$6,665,912</b>	<b>\$10,794,081</b>	<b>\$18,719,591</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	-	-	-	-	\$71,298	\$377,315	\$610,985	\$1,059,598
Construction	-	-	-	-	-	\$5,741,972	\$10,082,273	\$15,824,245
Design	-	-	-	-	\$1,188,300	\$489,206	-	\$1,677,506
Direct Expenses	-	-	-	-	-	\$57,419	\$100,823	\$158,242
<b>Total</b>	-	-	-	-	<b>\$1,259,598</b>	<b>\$6,665,912</b>	<b>\$10,794,081</b>	<b>\$18,719,591</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	\$2,761,465	\$2,425,888	\$2,098,341	\$7,285,694
<b>Total:</b>	-	-	-	-	<b>\$2,761,465</b>	<b>\$2,425,888</b>	<b>\$2,098,341</b>	<b>\$7,285,694</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$156,309	\$137,314	\$118,775	\$412,398
Construction	-	-	-	-	\$1,458,831	\$2,138,203	\$1,890,842	\$5,487,876
Design	-	-	-	-	\$1,131,737	\$128,989	\$69,817	\$1,330,543
Direct Expenses	-	-	-	-	\$14,588	\$21,382	\$18,907	\$54,877
<b>Total</b>	-	-	-	-	<b>\$2,761,465</b>	<b>\$2,425,888</b>	<b>\$2,098,341</b>	<b>\$7,285,694</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$888,631	-	-	-	-	-	-	\$888,631
2014 Water Bond	-	-	-	-	-	-	-	-
2020 Wastewater Bond	-	-	-	-	-	\$1,289,980	\$3,210,171	\$4,500,151
Future Wastewater Bond	-	-	-	-	-	-	\$631,513	\$631,513
<b>Total:</b>	<b>\$888,631</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,289,980</b>	<b>\$3,841,684</b>	<b>\$6,020,295</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$49,470	-	-	-	-	\$73,018	\$217,453	\$339,941
Construction	\$349,967	-	-	-	-	\$1,028,650	\$3,324,412	\$4,703,029
Design	\$489,083	-	-	-	-	\$178,026	\$266,574	\$933,683
Direct Expenses	\$111	-	-	-	-	\$10,286	\$33,245	\$43,642
<b>Total</b>	<b>\$888,631</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,289,980</b>	<b>\$3,841,684</b>	<b>\$6,020,295</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Wastewater Bond	(\$0)	-	-	-	-	-	-	(\$0)
Capital Programs	\$9,847,660	-	-	-	-	-	-	\$9,847,660
Greenfield WRP Joint Venture	-	\$46,297,067	\$96,793,422	\$48,715,598	\$2,991,054	-	-	\$194,797,141
<b>Total:</b>	<b>\$9,847,660</b>	<b>\$46,297,067</b>	<b>\$96,793,422</b>	<b>\$48,715,598</b>	<b>\$2,991,054</b>	-	-	<b>\$204,644,801</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$140,273	\$684,193	\$1,430,445	\$719,935	\$44,203	-	-	\$3,019,049
Construction	\$10,424	\$43,037,111	\$94,666,049	\$47,644,903	\$2,925,315	-	-	\$188,283,802
Design	\$9,682,364	\$2,191,993	-	-	-	-	-	\$11,874,357
Direct Expenses	\$14,600	\$383,770	\$696,928	\$350,760	\$21,536	-	-	\$1,467,594
<b>Total</b>	<b>\$9,847,660</b>	<b>\$46,297,067</b>	<b>\$96,793,422</b>	<b>\$48,715,598</b>	<b>\$2,991,054</b>	-	-	<b>\$204,644,801</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Greenfield WRP Joint Venture	-	\$277,999	\$274,942	\$2,911,993	\$3,076,532	\$3,159,427	\$9,966,496	\$19,667,389
<b>Total:</b>	-	<b>\$277,999</b>	<b>\$274,942</b>	<b>\$2,911,993</b>	<b>\$3,076,532</b>	<b>\$3,159,427</b>	<b>\$9,966,496</b>	<b>\$19,667,389</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Wastewater Bond	\$766,840	-	-	-	-	-	-	\$766,840
2014 Wastewater Bond	\$4,245,873	\$28,371,208	\$59,315,771	\$24,606,803	\$1,832,941	-	-	\$118,372,596
<b>Total:</b>	<b>\$5,012,713</b>	<b>\$28,371,208</b>	<b>\$59,315,771</b>	<b>\$24,606,803</b>	<b>\$1,832,941</b>	-	-	<b>\$119,139,436</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	-	\$26,769,083	\$58,882,282	\$24,388,630	\$1,819,545	-	-	\$111,859,540
Design	-	\$1,363,420	-	-	-	-	-	\$1,363,420
Direct Expenses	\$5,012,713	\$238,705	\$433,489	\$218,173	\$13,396	-	-	\$5,916,476
<b>Total</b>	<b>\$5,012,713</b>	<b>\$28,371,208</b>	<b>\$59,315,771</b>	<b>\$24,606,803</b>	<b>\$1,832,941</b>	-	-	<b>\$119,139,436</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Wastewater	-	\$139,195	\$225,576	\$1,295,400	\$1,400,779	\$1,438,521	\$4,537,856	\$9,037,327
<b>Total:</b>	-	<b>\$139,195</b>	<b>\$225,576</b>	<b>\$1,295,400</b>	<b>\$1,400,779</b>	<b>\$1,438,521</b>	<b>\$4,537,856</b>	<b>\$9,037,327</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Customer Demand - Southeast Mesa**

**CP0620 - NEW SEWER LINES - Phx 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2020 Wastewater Bond	-	-	-	-	\$2,964,206	\$342,745	-	\$3,306,951
<b>Total:</b>	-	-	-	-	<b>\$2,964,206</b>	<b>\$342,745</b>	-	<b>\$3,306,951</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	-	-	\$167,785	\$19,400	-	\$187,185
Construction	-	-	-	-	\$2,306,245	\$320,144	-	\$2,626,389
Design	-	-	-	-	\$467,114	-	-	\$467,114
Direct Expenses	-	-	-	-	\$23,062	\$3,201	-	\$26,263
<b>Total</b>	-	-	-	-	<b>\$2,964,206</b>	<b>\$342,745</b>	-	<b>\$3,306,951</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Wastewater Bond	-	\$245,065	\$2,170,615	\$991,925	-	-	-	\$3,407,605
2020 Wastewater Bond	-	-	-	-	-	\$378,601	\$12,147,766	\$12,526,367
<b>Total:</b>	-	<b>\$245,065</b>	<b>\$2,170,615</b>	<b>\$991,925</b>	-	<b>\$378,601</b>	<b>\$12,147,766</b>	<b>\$15,933,972</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	\$13,872	\$122,866	\$56,147	-	\$21,431	\$687,609	\$901,925
Construction	-	-	\$1,837,056	\$926,513	-	-	\$10,779,984	\$13,543,553
Design	-	\$199,300	\$91,284	-	-	\$357,170	\$572,374	\$1,220,128
Direct Expenses	-	\$31,893	\$119,409	\$9,265	-	-	\$107,799	\$268,366
<b>Total</b>	-	<b>\$245,065</b>	<b>\$2,170,615</b>	<b>\$991,925</b>	-	<b>\$378,601</b>	<b>\$12,147,766</b>	<b>\$15,933,972</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Customer Demand - Southeast Mesa**

**CP0475 - WASTEWATER OVERSIZE & EXTENSIONS (City Share for Oversizing)**

**Project Description**

Construct new wastewater extensions and oversized mains due to development.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	-	\$159,000	\$162,816	-	-	-	-	\$321,816
2020 Wastewater Bond	-	-	-	-	\$171,132	\$175,743	\$365,001	\$711,876
<b>Total:</b>	-	<b>\$159,000</b>	<b>\$162,816</b>	-	<b>\$171,132</b>	<b>\$175,743</b>	<b>\$365,001</b>	<b>\$1,033,692</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$9,000	\$9,216	-	\$9,687	\$9,948	\$20,661	\$58,512
Construction	-	\$150,000	\$153,600	-	\$161,445	\$165,795	\$344,340	\$975,180
<b>Total</b>	-	<b>\$159,000</b>	<b>\$162,816</b>	-	<b>\$171,132</b>	<b>\$175,743</b>	<b>\$365,001</b>	<b>\$1,033,692</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 Road to Ellsworth Road to serve future development.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	-	\$1,375,231	-	-	-	-	-	\$1,375,231
<b>Total:</b>	-	<b>\$1,375,231</b>	-	-	-	-	-	<b>\$1,375,231</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$77,843	-	-	-	-	-	\$77,843
Construction	-	\$1,267,305	-	-	-	-	-	\$1,267,305
Direct Expenses	-	\$30,083	-	-	-	-	-	\$30,083
<b>Total</b>	-	<b>\$1,375,231</b>	-	-	-	-	-	<b>\$1,375,231</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	-	-	-	\$123,460	-	-	-	\$123,460
2020 Wastewater Bond	-	-	-	-	\$126,637	\$130,049	\$270,099	\$526,785
Future Wastewater Bond	-	-	-	-	-	-	\$140,145	\$140,145
<b>Total:</b>	-	-	-	<b>\$123,460</b>	<b>\$126,637</b>	<b>\$130,049</b>	<b>\$410,244</b>	<b>\$790,390</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	-	\$6,988	\$7,168	\$7,361	\$23,221	\$44,738
Construction	-	-	-	\$104,930	\$107,630	\$110,530	\$348,670	\$671,760
Design	-	-	-	\$10,493	\$10,763	\$11,053	\$34,867	\$67,176
Direct Expenses	-	-	-	\$1,049	\$1,076	\$1,105	\$3,486	\$6,716
<b>Total</b>	-	-	-	<b>\$123,460</b>	<b>\$126,637</b>	<b>\$130,049</b>	<b>\$410,244</b>	<b>\$790,390</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital Programs	\$9,381	-	-	-	-	-	-	\$9,381
Greenfield WRP Joint Venture	-	\$1,011,262	-	-	-	-	-	\$1,011,262
<b>Total:</b>	<b>\$9,381</b>	<b>\$1,011,262</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,020,643</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$491	\$65,434	-	-	-	-	-	\$65,925
Construction	\$17	\$873,502	-	-	-	-	-	\$873,519
Design	\$8,873	\$64,022	-	-	-	-	-	\$72,895
Direct Expenses	-	\$8,304	-	-	-	-	-	\$8,304
<b>Total</b>	<b>\$9,381</b>	<b>\$1,011,262</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,020,643</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2006 Wastewater Bond	\$70	-	-	-	-	-	-	\$70
2014 Wastewater Bond	\$3,647	\$37,731	-	-	-	-	-	\$41,378
<b>Total:</b>	<b>\$3,717</b>	<b>\$37,731</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$41,448</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Direct Expenses	\$3,717	\$37,731	-	-	-	-	-	\$41,448
<b>Total</b>	<b>\$3,717</b>	<b>\$37,731</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$41,448</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Greenfield WRP Joint Venture	-	-	-	-	-	\$5,242,991	\$5,649,983	\$10,892,974
<b>Total:</b>	-	-	-	-	-	<b>\$5,242,991</b>	<b>\$5,649,983</b>	<b>\$10,892,974</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$296,773	\$319,810	\$616,583
Construction	-	-	-	-	-	\$4,421,200	\$4,764,400	\$9,185,600
Design	-	-	-	-	-	\$442,120	\$476,440	\$918,560
Direct Expenses	-	-	-	-	-	\$82,898	\$89,333	\$172,231
<b>Total</b>	-	-	-	-	-	<b>\$5,242,991</b>	<b>\$5,649,983</b>	<b>\$10,892,974</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Wastewater Lifecycle

#### CN0035 - Greenfield Water Reclamation Plant - 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	-	\$3,311,987	-	\$3,311,987
Future Wastewater Bond	-	-	-	-	-	-	\$3,569,084	\$3,569,084
<b>Total:</b>	-	-	-	-	-	<b>\$3,311,987</b>	<b>\$3,569,084</b>	<b>\$6,881,071</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Direct Expenses	-	-	-	-	-	\$3,311,987	\$3,569,084	\$6,881,071
<b>Total</b>	-	-	-	-	-	<b>\$3,311,987</b>	<b>\$3,569,084</b>	<b>\$6,881,071</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 it's 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital Programs	\$1,769,234	-	-	-	-	-	-	\$1,769,234
Greenfield WRP Joint Venture	-	\$3,080,455	\$1,413,925	\$524,875	\$538,380	\$1,658,660	\$5,198,578	\$12,414,873
<b>Total:</b>	<b>\$1,769,234</b>	<b>\$3,080,455</b>	<b>\$1,413,925</b>	<b>\$524,875</b>	<b>\$538,380</b>	<b>\$1,658,660</b>	<b>\$5,198,578</b>	<b>\$14,184,107</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$98,366	\$174,365	\$80,034	\$29,710	\$30,474	\$93,886	\$294,259	\$801,094
Construction	\$14,717	\$2,745,072	\$1,291,225	\$458,649	\$470,451	\$1,511,056	\$4,669,135	\$11,160,305
Design	\$1,656,142	\$128,780	\$30,720	\$31,479	\$32,289	\$33,159	\$176,067	\$2,088,636
Direct Expenses	\$9	\$32,238	\$11,946	\$5,037	\$5,166	\$20,559	\$59,117	\$134,072
<b>Total</b>	<b>\$1,769,234</b>	<b>\$3,080,455</b>	<b>\$1,413,925</b>	<b>\$524,875</b>	<b>\$538,380</b>	<b>\$1,658,660</b>	<b>\$5,198,578</b>	<b>\$14,184,107</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 it's useful life at the Greenfield Water Reclamation Plant. Improve plant operations and reliability.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$760,913	\$1,287,630	\$591,021	\$219,397	-	-	-	\$2,858,961
2020 Wastewater Bond	-	-	-	-	\$225,042	\$693,319	\$1,439,957	\$2,358,318
Future Wastewater Bond	-	-	-	-	-	-	\$733,048	\$733,048
<b>Total:</b>	<b>\$760,913</b>	<b>\$1,287,630</b>	<b>\$591,021</b>	<b>\$219,397</b>	<b>\$225,042</b>	<b>\$693,319</b>	<b>\$2,173,005</b>	<b>\$5,950,327</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Direct Expenses	\$760,913	\$1,287,630	\$591,021	\$219,397	\$225,042	\$693,319	\$2,173,005	\$5,950,327
<b>Total</b>	<b>\$760,913</b>	<b>\$1,287,630</b>	<b>\$591,021</b>	<b>\$219,397</b>	<b>\$225,042</b>	<b>\$693,319</b>	<b>\$2,173,005</b>	<b>\$5,950,327</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Capital Programs	\$42,148	-	-	-	-	-	-	\$42,148
Greenfield WRP Joint Venture	\$1,541	\$2,463,607	\$2,607,085	-	-	-	-	\$5,072,233
<b>Total:</b>	<b>\$43,689</b>	<b>\$2,463,607</b>	<b>\$2,607,085</b>	-	-	-	-	<b>\$5,114,381</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$2,293	\$139,449	\$147,571	-	-	-	-	\$289,313
Construction	\$2,041	\$2,266,664	\$2,436,741	-	-	-	-	\$4,705,446
Design	\$39,355	\$35,640	-	-	-	-	-	\$74,995
Direct Expenses	-	\$21,854	\$22,773	-	-	-	-	\$44,627
<b>Total</b>	<b>\$43,689</b>	<b>\$2,463,607</b>	<b>\$2,607,085</b>	-	-	-	-	<b>\$5,114,381</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Wastewater Bond	\$17,784	\$1,029,788	\$1,089,761	-	-	-	-	\$2,137,333
<b>Total:</b>	<b>\$17,784</b>	<b>\$1,029,788</b>	<b>\$1,089,761</b>	-	-	-	-	<b>\$2,137,333</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Direct Expenses	\$17,784	\$1,029,788	\$1,089,761	-	-	-	-	\$2,137,333
<b>Total</b>	<b>\$17,784</b>	<b>\$1,029,788</b>	<b>\$1,089,761</b>	-	-	-	-	<b>\$2,137,333</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Lifecycle**

**CP0599 - LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT**

**Project Description**

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	-	\$28,620	\$29,307	\$30,032	-	-	-	\$87,959
2020 Wastewater Bond	-	-	-	-	\$268,107	\$3,103,616	\$912,151	\$4,283,874
Future Wastewater Bond	-	-	-	-	-	-	\$1,431,749	\$1,431,749
<b>Total:</b>	-	<b>\$28,620</b>	<b>\$29,307</b>	<b>\$30,032</b>	<b>\$268,107</b>	<b>\$3,103,616</b>	<b>\$2,343,900</b>	<b>\$5,803,582</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$1,620	\$1,659	\$1,700	\$15,176	\$175,676	\$132,673	\$328,504
Construction	-	-	-	-	-	\$1,746,374	\$1,772,200	\$3,518,574
Design	-	-	-	-	\$252,931	-	\$149,646	\$402,577
Direct Expenses	-	\$2,000	\$2,048	\$2,099	-	\$1,126,301	\$115,046	\$1,247,494
Purchases	-	\$25,000	\$25,600	\$26,233	-	\$55,265	\$174,335	\$306,433
<b>Total</b>	-	<b>\$28,620</b>	<b>\$29,307</b>	<b>\$30,032</b>	<b>\$268,107</b>	<b>\$3,103,616</b>	<b>\$2,343,900</b>	<b>\$5,803,582</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Utility Replacement Extension and Renewal - WW	\$8,068	\$1,458,581	\$1,493,587	\$1,530,489	\$1,569,870	\$1,612,170	\$5,085,634	\$12,758,399
<b>Total:</b>	<b>\$8,068</b>	<b>\$1,458,581</b>	<b>\$1,493,587</b>	<b>\$1,530,489</b>	<b>\$1,569,870</b>	<b>\$1,612,170</b>	<b>\$5,085,634</b>	<b>\$12,758,399</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$398	\$82,561	\$84,542	\$86,631	\$88,860	\$91,255	\$287,865	\$722,112
Construction	\$224	\$1,286,000	\$1,316,864	\$1,349,400	\$1,384,122	\$1,421,416	\$4,483,896	\$11,241,922
Design	\$7,446	\$77,160	\$79,012	\$80,964	\$83,047	\$85,285	\$269,033	\$681,947
Direct Expenses	-	\$12,860	\$13,169	\$13,494	\$13,841	\$14,214	\$44,840	\$112,418
<b>Total</b>	<b>\$8,068</b>	<b>\$1,458,581</b>	<b>\$1,493,587</b>	<b>\$1,530,489</b>	<b>\$1,569,870</b>	<b>\$1,612,170</b>	<b>\$5,085,634</b>	<b>\$12,758,399</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Lifecycle**

**CP0616 - METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT**

**Project Description**

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	-	\$14,310	\$14,653	\$15,015	-	-	-	\$43,978
2020 Wastewater Bond	-	-	-	-	\$30,805	\$31,635	\$65,700	\$128,140
Future Wastewater Bond	-	-	-	-	-	-	\$34,090	\$34,090
<b>Total:</b>	-	<b>\$14,310</b>	<b>\$14,653</b>	<b>\$15,015</b>	<b>\$30,805</b>	<b>\$31,635</b>	<b>\$99,790</b>	<b>\$206,208</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$810	\$829	\$850	\$1,744	\$1,791	\$5,649	\$11,673
Direct Expenses	-	\$1,000	\$1,024	\$1,049	\$2,153	\$2,211	\$6,973	\$14,410
Purchases	-	\$12,500	\$12,800	\$13,116	\$26,908	\$27,633	\$87,168	\$180,125
<b>Total</b>	-	<b>\$14,310</b>	<b>\$14,653</b>	<b>\$15,015</b>	<b>\$30,805</b>	<b>\$31,635</b>	<b>\$99,790</b>	<b>\$206,208</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$4,396	\$212,000	-	-	-	-	-	\$216,396
2020 Wastewater Bond	-	-	-	-	\$1,363,520	\$2,584,401	-	\$3,947,921
Future Wastewater Bond	-	-	-	-	-	-	\$2,802,897	\$2,802,897
<b>Total:</b>	<b>\$4,396</b>	<b>\$212,000</b>	<b>-</b>	<b>-</b>	<b>\$1,363,520</b>	<b>\$2,584,401</b>	<b>\$2,802,897</b>	<b>\$6,967,214</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$221	\$12,000	-	-	\$77,180	\$146,286	\$158,655	\$394,342
Construction	\$5	-	-	-	\$1,070,919	\$2,413,975	\$2,382,200	\$5,867,099
Design	\$4,169	\$200,000	-	-	\$204,712	-	\$238,220	\$647,101
Direct Expenses	-	-	-	-	\$10,709	\$24,140	\$23,822	\$58,671
<b>Total</b>	<b>\$4,396</b>	<b>\$212,000</b>	<b>-</b>	<b>-</b>	<b>\$1,363,520</b>	<b>\$2,584,401</b>	<b>\$2,802,897</b>	<b>\$6,967,214</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Wastewater Lifecycle

#### CP0628 - Northwest Water Reclamation Plant Miscellaneous 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$33,653	\$2,422,602	\$640,084	\$729,641	-	-	-	\$3,825,980
2020 Wastewater Bond	-	-	-	-	\$748,416	\$827,748	\$1,719,152	\$3,295,316
Future Wastewater Bond	-	-	-	-	-	-	\$892,003	\$892,003
<b>Total:</b>	<b>\$33,653</b>	<b>\$2,422,602</b>	<b>\$640,084</b>	<b>\$729,641</b>	<b>\$748,416</b>	<b>\$827,748</b>	<b>\$2,611,155</b>	<b>\$8,013,299</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$1,864	\$137,128	\$36,231	\$41,300	\$42,363	\$46,854	\$147,802	\$453,542
Construction	\$31,045	\$2,132,747	\$491,520	\$524,650	\$538,150	\$552,650	\$1,743,350	\$6,014,112
Design	\$744	\$48,000	-	\$52,465	\$53,815	\$55,265	\$174,335	\$384,624
Direct Expenses	-	\$4,727	\$9,933	\$6,296	\$6,458	\$7,184	\$22,663	\$57,261
Purchases	-	\$100,000	\$102,400	\$104,930	\$107,630	\$165,795	\$523,005	\$1,103,760
<b>Total</b>	<b>\$33,653</b>	<b>\$2,422,602</b>	<b>\$640,084</b>	<b>\$729,641</b>	<b>\$748,416</b>	<b>\$827,748</b>	<b>\$2,611,155</b>	<b>\$8,013,299</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Lifecycle**

**CP0621 - ODOR CONTROL STATION REHABILITATION/  
EQUIPMENT REPLACEMENT**

**Project Description**

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



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	\$8,567	\$267,120	\$27,407	\$28,085	-	-	-	\$331,179
2020 Wastewater Bond	-	-	-	-	\$171,418	\$1,713,786	\$2,184,924	\$4,070,128
Future Wastewater Bond	-	-	-	-	-	-	\$34,090	\$34,090
<b>Total:</b>	<b>\$8,567</b>	<b>\$267,120</b>	<b>\$27,407</b>	<b>\$28,085</b>	<b>\$171,418</b>	<b>\$1,713,786</b>	<b>\$2,219,014</b>	<b>\$4,435,397</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$496	\$15,120	\$1,551	\$1,590	\$9,703	\$97,007	\$125,605	\$251,072
Construction	\$7,077	\$200,000	-	-	-	\$1,381,625	\$1,983,450	\$3,572,152
Design	\$994	\$50,000	\$25,600	\$26,233	\$134,538	\$193,428	-	\$430,793
Direct Expenses	-	\$2,000	\$256	\$262	\$269	\$14,093	\$22,791	\$39,671
Purchases	-	-	-	-	\$26,908	\$27,633	\$87,168	\$141,709
<b>Total</b>	<b>\$8,567</b>	<b>\$267,120</b>	<b>\$27,407</b>	<b>\$28,085</b>	<b>\$171,418</b>	<b>\$1,713,786</b>	<b>\$2,219,014</b>	<b>\$4,435,397</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Wastewater Lifecycle**

**CP0622 - SEWER LINE CONDITION ASSESSMENT AND REHABILITATION**

**Project Description**

Collect & evaluate data on the wastewater collection system to determine the condition of the existing facilities, identify problems, & develop an ongoing program for rehabilitation/ replacement to minimize service disruptions.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	\$375,094	\$425,590	\$435,804	\$442,123	-	-	-	\$1,678,611
2020 Wastewater Bond	-	-	-	-	\$458,062	\$470,405	\$976,984	\$1,905,451
Future Wastewater Bond	-	-	-	-	-	-	\$506,921	\$506,921
<b>Total:</b>	<b>\$375,094</b>	<b>\$425,590</b>	<b>\$435,804</b>	<b>\$442,123</b>	<b>\$458,062</b>	<b>\$470,405</b>	<b>\$1,483,905</b>	<b>\$4,090,983</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$17,979	\$24,090	\$24,668	\$25,026	\$25,928	\$26,627	\$83,995	\$228,313
Design	\$357,115	\$401,500	\$411,136	\$417,097	\$432,134	\$443,778	\$1,399,910	\$3,862,670
<b>Total</b>	<b>\$375,094</b>	<b>\$425,590</b>	<b>\$435,804</b>	<b>\$442,123</b>	<b>\$458,062</b>	<b>\$470,405</b>	<b>\$1,483,905</b>	<b>\$4,090,983</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Wastewater Bond	\$196,645	\$948,540	\$288,618	\$295,749	-	-	-	\$1,729,552
2020 Wastewater Bond	-	-	-	-	\$11,942,839	\$10,588,590	\$19,215,945	\$41,747,374
Future Wastewater Bond	-	-	-	-	-	-	\$6,107,767	\$6,107,767
<b>Total:</b>	<b>\$196,645</b>	<b>\$948,540</b>	<b>\$288,618</b>	<b>\$295,749</b>	<b>\$11,942,839</b>	<b>\$10,588,590</b>	<b>\$25,323,712</b>	<b>\$49,584,693</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$7,922	\$53,691	\$16,337	\$16,741	\$676,010	\$599,354	\$1,433,419	\$2,803,474
Construction	\$177,827	\$793,391	\$251,597	\$257,813	\$9,735,649	\$9,211,472	\$22,383,655	\$42,811,404
Design	\$10,897	\$93,523	\$18,168	\$18,617	\$1,433,823	\$685,649	\$1,282,802	\$3,543,479
Direct Expenses	-	\$7,935	\$2,516	\$2,578	\$97,357	\$92,115	\$223,836	\$426,337
<b>Total</b>	<b>\$196,645</b>	<b>\$948,540</b>	<b>\$288,618</b>	<b>\$295,749</b>	<b>\$11,942,839</b>	<b>\$10,588,590</b>	<b>\$25,323,712</b>	<b>\$49,584,693</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	-	\$3,576,365	-	\$3,576,365
Future Wastewater Bond	-	-	-	-	-	-	\$4,554,708	\$4,554,708
<b>Total:</b>	-	-	-	-	-	<b>\$3,576,365</b>	<b>\$4,554,708</b>	<b>\$8,131,073</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	-	\$202,436	\$257,814	\$460,250
Construction	-	-	-	-	-	\$3,039,575	\$3,871,075	\$6,910,650
Design	-	-	-	-	-	\$303,958	\$387,108	\$691,066
Direct Expenses	-	-	-	-	-	\$30,396	\$38,711	\$69,107
<b>Total</b>	-	-	-	-	-	<b>\$3,576,365</b>	<b>\$4,554,708</b>	<b>\$8,131,073</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 it's 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	\$344,299	\$1,358,725	\$82,222	\$251,093	-	-	-	\$2,036,339
2020 Wastewater Bond	-	-	-	-	\$2,053,581	\$1,917,822	\$1,597,485	\$5,568,888
Future Wastewater Bond	-	-	-	-	-	-	\$2,104,066	\$2,104,066
<b>Total:</b>	<b>\$344,299</b>	<b>\$1,358,725</b>	<b>\$82,222</b>	<b>\$251,093</b>	<b>\$2,053,581</b>	<b>\$1,917,822</b>	<b>\$3,701,551</b>	<b>\$9,709,293</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$19,072	\$76,876	\$4,654	\$14,213	\$116,240	\$108,556	\$209,522	\$549,133
Construction	\$322,608	\$1,251,999	\$76,800	\$78,698	\$1,786,658	\$1,779,533	\$3,457,455	\$8,753,751
Design	\$2,619	\$22,000	-	\$157,395	\$123,775	-	-	\$305,789
Direct Expenses	-	\$7,850	\$768	\$787	\$26,908	\$29,733	\$34,574	\$100,620
<b>Total</b>	<b>\$344,299</b>	<b>\$1,358,725</b>	<b>\$82,222</b>	<b>\$251,093</b>	<b>\$2,053,581</b>	<b>\$1,917,822</b>	<b>\$3,701,551</b>	<b>\$9,709,293</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$9,368,144	\$1,440,349	\$3,005,739	\$7,869,542	-	-	-	\$21,683,774
2020 Water Bond	-	-	-	-	\$5,751,633	\$5,526,500	\$6,973,400	\$18,251,533
<b>Total:</b>	<b>\$9,368,144</b>	<b>\$1,440,349</b>	<b>\$3,005,739</b>	<b>\$7,869,542</b>	<b>\$5,751,633</b>	<b>\$5,526,500</b>	<b>\$6,973,400</b>	<b>\$39,935,307</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
Construction	-	\$1,440,349	\$3,005,739	\$7,869,542	\$5,751,633	\$5,526,500	\$6,973,400	\$30,567,163
Mesa Share	\$9,368,144	-	-	-	-	-	-	\$9,368,144
<b>Total</b>	<b>\$9,368,144</b>	<b>\$1,440,349</b>	<b>\$3,005,739</b>	<b>\$7,869,542</b>	<b>\$5,751,633</b>	<b>\$5,526,500</b>	<b>\$6,973,400</b>	<b>\$39,935,307</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Contractual Obligations**

**CN0028 - Water Rights for White Mountain Apache Water Settlement**

***Project Description***

Mesa will 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	-	-	\$3,788,800	\$3,882,410	-	-	-	\$7,671,210
<b>Total:</b>	-	-	<b>\$3,788,800</b>	<b>\$3,882,410</b>	-	-	-	<b>\$7,671,210</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Purchases	-	-	\$3,788,800	\$3,882,410	-	-	-	\$7,671,210
<b>Total</b>	-	-	<b>\$3,788,800</b>	<b>\$3,882,410</b>	-	-	-	<b>\$7,671,210</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2020 Water Bond	-	-	-	-	\$1,412,644	\$2,030,989	\$24,103,800	\$27,547,433
<b>Total:</b>	-	-	-	-	<b>\$1,412,644</b>	<b>\$2,030,989</b>	<b>\$24,103,800</b>	<b>\$27,547,433</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	-	-	-	-	\$67,269	\$96,714	\$1,147,800	\$1,311,783
Construction	-	-	-	-	-	-	\$22,956,000	\$22,956,000
Design	-	-	-	-	\$1,345,375	\$1,105,300	-	\$2,450,675
Land Acquisition	-	-	-	-	-	\$828,975	-	\$828,975
<b>Total</b>	-	-	-	-	<b>\$1,412,644</b>	<b>\$2,030,989</b>	<b>\$24,103,800</b>	<b>\$27,547,433</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Customer Demand - Southeast Mesa**

**CP0365 - New Groundwater Wells**

***Project Description***

Drill new groundwater wells to meet growing service demands. The need for new wells was identified in the Water Master Plan.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$47,805	-	-	-	-	-	-	\$47,805
2020 Water Bond	-	-	-	-	\$3,570,891	\$14,541,265	\$22,948,635	\$41,060,791
Future Water Bond	-	-	-	-	-	-	\$379,539	\$379,539
<b>Total:</b>	<b>\$47,805</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,570,891</b>	<b>\$14,541,265</b>	<b>\$23,328,174</b>	<b>\$41,488,135</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$2,621	-	-	-	\$170,042	\$707,856	\$1,110,868	\$1,991,387
Construction	-	-	-	-	\$1,179,816	\$12,771,220	\$20,396,536	\$34,347,572
Design	\$45,185	-	-	-	\$863,860	\$596,937	\$682,040	\$2,188,022
Direct Expenses	-	-	-	-	\$11,798	\$188,927	\$267,055	\$467,780
Land Acquisition	-	-	-	-	\$1,345,375	\$276,325	\$871,675	\$2,493,375
<b>Total</b>	<b>\$47,805</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,570,891</b>	<b>\$14,541,265</b>	<b>\$23,328,174</b>	<b>\$41,488,135</b>

**Operations & Maintenance Expenditures**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Fund Totals</b>
Water	-	\$5,000	\$5,120	\$5,247	\$5,382	\$63,144	\$1,295,732	\$1,379,625
<b>Total:</b>	<b>-</b>	<b>\$5,000</b>	<b>\$5,120</b>	<b>\$5,247</b>	<b>\$5,382</b>	<b>\$63,144</b>	<b>\$1,295,732</b>	<b>\$1,379,625</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Customer Demand - Southeast Mesa**

**CP0639 - NEW PUMP STATIONS**

***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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	-	\$2,874,857	-	-	-	-	-	\$2,874,857
2020 Water Bond	-	-	-	-	\$122,368	\$65,434	\$3,811,029	\$3,998,831
Future Water Bond	-	-	-	-	-	-	\$3,744,010	\$3,744,010
<b>Total:</b>	-	<b>\$2,874,857</b>	-	-	<b>\$122,368</b>	<b>\$65,434</b>	<b>\$7,555,039</b>	<b>\$10,617,698</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	\$136,898	-	-	\$5,827	\$2,432	\$359,763	\$504,920
Construction	-	\$2,710,850	-	-	\$103,850	-	\$6,338,086	\$9,152,786
Design	-	-	-	-	\$11,652	\$63,002	\$793,809	\$868,463
Direct Expenses	-	\$27,109	-	-	\$1,039	-	\$63,381	\$91,529
<b>Total</b>	-	<b>\$2,874,857</b>	-	-	<b>\$122,368</b>	<b>\$65,434</b>	<b>\$7,555,039</b>	<b>\$10,617,698</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Water Bond	\$357,251	-	-	-	-	-	-	\$357,251
2014 Water Bond	\$52,624,239	\$68,501,976	-	-	-	-	-	\$121,126,215
<b>Total:</b>	<b>\$52,981,490</b>	<b>\$68,501,976</b>	-	-	-	-	-	<b>\$121,483,466</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$1,769,168	\$1,145,067	-	-	-	-	-	\$2,914,235
Construction	\$41,958,574	\$63,296,909	-	-	-	-	-	\$105,222,483
Design	\$9,179,185	\$3,620,000	-	-	-	-	-	\$12,799,185
Direct Expenses	\$2,252	\$440,000	-	-	-	-	-	\$442,252
Purchases	\$72,311	-	-	-	-	-	-	\$72,311
<b>Total</b>	<b>\$52,981,490</b>	<b>\$68,501,976</b>	-	-	-	-	-	<b>\$121,483,466</b>

##### Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Fund Totals
Water	-	\$3,415,788	\$2,311,950	\$2,369,075	\$2,430,036	\$2,495,511	\$8,877,127	\$21,899,487
<b>Total:</b>	-	<b>\$3,415,788</b>	<b>\$2,311,950</b>	<b>\$2,369,075</b>	<b>\$2,430,036</b>	<b>\$2,495,511</b>	<b>\$8,877,127</b>	<b>\$21,899,487</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	-	-	\$770,575	\$5,946,661	-	-	-	\$6,717,236
2020 Water Bond	-	-	-	-	\$1,028,526	\$12,546,336	\$3,808,907	\$17,383,769
Future Water Bond	-	-	-	-	-	-	\$344,378	\$344,378
<b>Total:</b>	-	-	<b>\$770,575</b>	<b>\$5,946,661</b>	<b>\$1,028,526</b>	<b>\$12,546,336</b>	<b>\$4,153,285</b>	<b>\$24,445,383</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	-	-	\$36,694	\$283,175	\$48,977	\$597,444	\$197,776	\$1,164,066
Construction	-	-	-	\$5,602,823	-	\$11,830,586	\$3,277,404	\$20,710,813
Design	-	-	\$733,881	-	\$979,549	-	\$645,331	\$2,358,761
Direct Expenses	-	-	-	\$60,663	-	\$118,306	\$32,774	\$211,743
<b>Total</b>	-	-	<b>\$770,575</b>	<b>\$5,946,661</b>	<b>\$1,028,526</b>	<b>\$12,546,336</b>	<b>\$4,153,285</b>	<b>\$24,445,383</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Customer Demand - Southeast Mesa

#### C06010 - Water and Wastewater Improvements for ASU Polytechnic

##### Project Description

Provide necessary water and 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Wastewater Bond	-	\$2,280,304	-	-	-	-	-	\$2,280,304
<b>Total:</b>	-	<b>\$2,280,304</b>	-	-	-	-	-	<b>\$2,280,304</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$129,074	-	-	-	-	-	\$129,074
Construction	-	\$2,000,000	-	-	-	-	-	\$2,000,000
Direct Expenses	-	\$151,230	-	-	-	-	-	\$151,230
<b>Total</b>	-	<b>\$2,280,304</b>	-	-	-	-	-	<b>\$2,280,304</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Customer Demand - Southeast Mesa**

**CP0652 - WATER EXTENSIONS AND OVERSIZED MAINS**

**Project Description**

Fund the City Share program working with developers to install waterlines that meet the City's needs. When the City needs larger waterlines than required by developers, they can request for City Share to fund the difference in oversizing.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$94,240	\$212,100	\$217,190	\$222,557	-	-	-	\$746,087
2020 Water Bond	-	-	-	-	\$228,284	\$234,435	\$486,896	\$949,615
Future Water Bond	-	-	-	-	-	-	\$252,632	\$252,632
<b>Total:</b>	<b>\$94,240</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$228,284</b>	<b>\$234,435</b>	<b>\$739,528</b>	<b>\$1,948,334</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$4,402	\$10,100	\$10,342	\$10,598	\$10,871	\$11,164	\$35,215	\$92,692
Construction	\$89,838	\$200,000	\$204,800	\$209,860	\$215,260	\$221,060	\$697,340	\$1,838,158
Direct Expenses	-	\$2,000	\$2,048	\$2,099	\$2,153	\$2,211	\$6,973	\$17,484
<b>Total</b>	<b>\$94,240</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$228,284</b>	<b>\$234,435</b>	<b>\$739,528</b>	<b>\$1,948,334</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2020 Water Bond	-	-	-	-	\$353,532	\$7,313,726	\$9,837,952	\$17,505,210
<b>Total:</b>	-	-	-	-	<b>\$353,532</b>	<b>\$7,313,726</b>	<b>\$9,837,952</b>	<b>\$17,505,210</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	-	-	-	-	\$16,835	\$348,273	\$468,475	\$833,583
Construction	-	-	-	-	-	\$6,768,465	\$8,794,370	\$15,562,835
Design	-	-	-	-	\$336,697	\$129,304	\$487,163	\$953,164
Direct Expenses	-	-	-	-	-	\$67,684	\$87,944	\$155,628
<b>Total</b>	-	-	-	-	<b>\$353,532</b>	<b>\$7,313,726</b>	<b>\$9,837,952</b>	<b>\$17,505,210</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$4,521	\$262,500	\$268,800	\$275,441	-	-	-	\$811,262
<b>Total:</b>	<b>\$4,521</b>	<b>\$262,500</b>	<b>\$268,800</b>	<b>\$275,441</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$811,262</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP								
Administration	\$223	\$12,500	\$12,800	\$13,116	-	-	-	\$38,639
Land Acquisition	\$4,299	\$250,000	\$256,000	\$262,325	-	-	-	\$772,624
<b>Total</b>	<b>\$4,521</b>	<b>\$262,500</b>	<b>\$268,800</b>	<b>\$275,441</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$811,262</b>

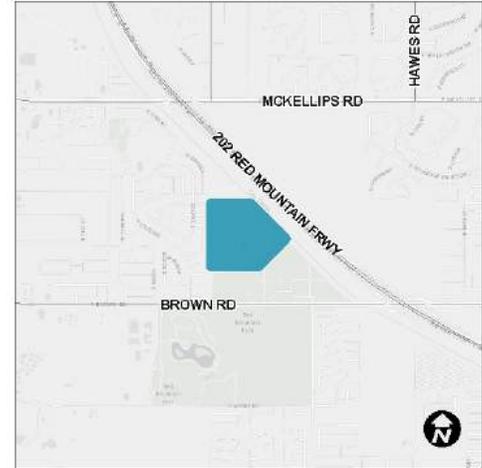
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0634 - Brown Road Water Treatment Plant 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 SES Service.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	\$301,363	\$3,435,271	\$6,809,306	\$10,545,940
Future Water Bond	-	-	-	-	-	-	\$250,131	\$250,131
<b>Total:</b>	-	-	-	-	<b>\$301,363</b>	<b>\$3,435,271</b>	<b>\$7,059,437</b>	<b>\$10,796,071</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$14,350	\$163,584	\$336,164	\$514,098
Construction	-	-	-	-	-	\$2,947,466	\$6,121,598	\$9,069,064
Design	-	-	-	-	\$287,013	\$294,746	\$540,459	\$1,122,218
Direct Expenses	-	-	-	-	-	\$29,475	\$61,216	\$90,691
<b>Total</b>	-	-	-	-	<b>\$301,363</b>	<b>\$3,435,271</b>	<b>\$7,059,437</b>	<b>\$10,796,071</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0024 - Brown Road Water Treatment Plant Equipment Replacement

##### *Project Description*

Replace the aging finished water filter underdrain system at the Brown Road Water Treatment Plant.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$2,036,213	\$157,500	-	-	-	-	-	\$2,193,713
<b>Total:</b>	<b>\$2,036,213</b>	<b>\$157,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,193,713</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$103,263	\$7,500	-	-	-	-	-	\$110,763
Construction	\$1,823,206	-	-	-	-	-	-	\$1,823,206
Design	\$109,740	\$150,000	-	-	-	-	-	\$259,740
Direct Expenses	\$4	-	-	-	-	-	-	\$4
<b>Total</b>	<b>\$2,036,213</b>	<b>\$157,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,193,713</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0635 - BROWN ROAD WATER TREATMENT PLANT MISC. 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	\$1,046,711	\$6,914,971	\$2,006,643	\$9,968,325
Future Water Bond	-	-	-	-	-	-	\$93,800	\$93,800
<b>Total:</b>	-	-	-	-	<b>\$1,046,711</b>	<b>\$6,914,971</b>	<b>\$2,100,443</b>	<b>\$10,062,125</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	-	-	-	-	\$49,843	\$329,284	\$100,022	\$479,149
Construction	-	-	-	-	\$584,801	\$6,500,784	\$1,721,700	\$8,807,285
Design	-	-	-	-	\$406,004	\$19,895	\$261,503	\$687,402
Direct Expenses	-	-	-	-	\$6,063	\$65,008	\$17,218	\$88,289
<b>Total</b>	-	-	-	-	<b>\$1,046,711</b>	<b>\$6,914,971</b>	<b>\$2,100,443</b>	<b>\$10,062,125</b>

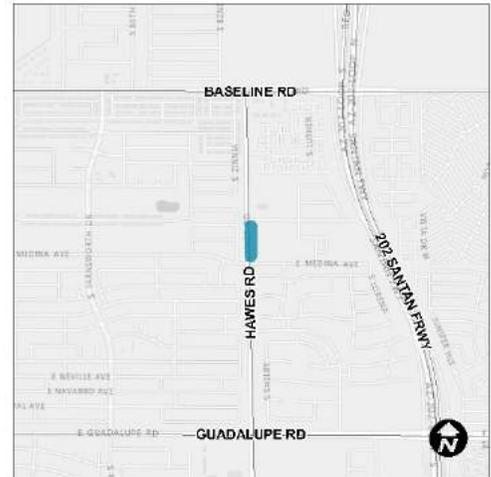
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Water Bond	\$24,453	-	-	-	-	-	-	\$24,453
2020 Water Bond	-	-	-	-	\$452,046	-	-	\$452,046
<b>Total:</b>	<b>\$24,453</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$452,046</b>	<b>-</b>	<b>-</b>	<b>\$476,499</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$1,303	-	-	-	\$21,526	-	-	\$22,829
Construction	\$3,199	-	-	-	\$430,520	-	-	\$433,719
Design	\$19,950	-	-	-	-	-	-	\$19,950
<b>Total</b>	<b>\$24,453</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$452,046</b>	<b>-</b>	<b>-</b>	<b>\$476,499</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0505 - Falcon Field Utility Lines

##### *Project Description*

Replace aging water mains with street reconstruction at the Falcon Field Airport. Install water mains, and abandon in place aging water mains.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Wastewater Bond	-	\$61,177	-	-	-	-	-	\$61,177
<b>Total:</b>	-	<b>\$61,177</b>	-	-	-	-	-	<b>\$61,177</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	\$3,463	-	-	-	-	-	\$3,463
Construction	-	\$57,143	-	-	-	-	-	\$57,143
Direct Expenses	-	\$571	-	-	-	-	-	\$571
<b>Total</b>	-	<b>\$61,177</b>	-	-	-	-	-	<b>\$61,177</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$20,978	\$10,500	\$10,752	\$11,018	-	-	-	\$53,248
2020 Water Bond	-	-	-	-	\$11,301	\$11,606	\$24,104	\$47,011
Future Water Bond	-	-	-	-	-	-	\$12,507	\$12,507
<b>Total:</b>	<b>\$20,978</b>	<b>\$10,500</b>	<b>\$10,752</b>	<b>\$11,018</b>	<b>\$11,301</b>	<b>\$11,606</b>	<b>\$36,611</b>	<b>\$112,766</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$1,735	\$500	\$512	\$525	\$538	\$553	\$1,744	\$6,107
Purchases	\$19,242	\$10,000	\$10,240	\$10,493	\$10,763	\$11,053	\$34,867	\$106,658
<b>Total</b>	<b>\$20,978</b>	<b>\$10,500</b>	<b>\$10,752</b>	<b>\$11,018</b>	<b>\$11,301</b>	<b>\$11,606</b>	<b>\$36,611</b>	<b>\$112,766</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$335,953	\$371,175	\$380,083	\$389,474	-	-	-	\$1,476,685
2020 Water Bond	-	-	-	-	\$488,210	\$501,364	\$1,041,284	\$2,030,858
Future Water Bond	-	-	-	-	-	-	\$540,283	\$540,283
<b>Total:</b>	<b>\$335,953</b>	<b>\$371,175</b>	<b>\$380,083</b>	<b>\$389,474</b>	<b>\$488,210</b>	<b>\$501,364</b>	<b>\$1,581,567</b>	<b>\$4,047,826</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$7,058	\$17,675	\$18,099	\$18,546	\$23,248	\$23,874	\$75,313	\$183,813
Construction	\$327,226	\$350,000	\$358,400	\$367,255	\$430,520	\$442,120	\$1,394,680	\$3,670,201
Direct Expenses	\$1,669	\$3,500	\$3,584	\$3,673	\$34,442	\$35,370	\$111,574	\$193,812
<b>Total</b>	<b>\$335,953</b>	<b>\$371,175</b>	<b>\$380,083</b>	<b>\$389,474</b>	<b>\$488,210</b>	<b>\$501,364</b>	<b>\$1,581,567</b>	<b>\$4,047,826</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CP0642 - 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	\$632,186	\$6,815,261	\$20,585,378	\$28,032,825
<b>Total:</b>	-	-	-	-	<b>\$632,186</b>	<b>\$6,815,261</b>	<b>\$20,585,378</b>	<b>\$28,032,825</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$43,020	\$324,537	\$980,257	\$1,347,814
Construction	-	-	-	-	-	\$6,013,683	\$18,160,103	\$24,173,786
Design	-	-	-	-	\$309,974	\$365,209	\$879,653	\$1,554,836
Direct Expenses	-	-	-	-	\$10,117	\$111,832	\$274,815	\$396,764
Land Acquisition	-	-	-	-	\$269,075	-	\$290,550	\$559,625
<b>Total</b>	-	-	-	-	<b>\$632,186</b>	<b>\$6,815,261</b>	<b>\$20,585,378</b>	<b>\$28,032,825</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0366 - Horne Waterline Replacement; Marilyn Ave to Southern Ave

##### Project Description

Install new water mains, and abandon aging water line. New water mains will extend along Horne Road between Marilyn Avenue to Southern Avenue. Work includes related appurtenances such as valves, hydrants and service lines.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Electric Bond	\$21,398	-	-	-	-	-	-	\$21,398
2014 Gas Bond	\$66,761	-	-	-	-	-	-	\$66,761
2014 Wastewater Bond	\$20,060	-	-	-	-	-	-	\$20,060
2014 Water Bond	\$140,320	\$901,425	-	-	-	-	-	\$1,041,745
<b>Total:</b>	<b>\$248,539</b>	<b>\$901,425</b>	-	-	-	-	-	<b>\$1,149,964</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$12,295	\$42,925	-	-	-	-	-	\$55,220
Construction	\$239	\$850,000	-	-	-	-	-	\$850,239
Design	\$236,005	-	-	-	-	-	-	\$236,005
Direct Expenses	-	\$8,500	-	-	-	-	-	\$8,500
<b>Total</b>	<b>\$248,539</b>	<b>\$901,425</b>	-	-	-	-	-	<b>\$1,149,964</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$1,329,209	-	\$171,925	-	-	-	-	\$1,501,134
2020 Water Bond	-	-	-	-	\$690,500	\$2,409,449	\$1,084,672	\$4,184,621
Future Water Bond	-	-	-	-	-	-	\$562,795	\$562,795
<b>Total:</b>	<b>\$1,329,209</b>	<b>-</b>	<b>\$171,925</b>	<b>-</b>	<b>\$690,500</b>	<b>\$2,409,449</b>	<b>\$1,647,467</b>	<b>\$6,248,550</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$61,034	-	\$8,187	-	\$32,881	\$114,736	\$78,452	\$295,290
Construction	\$1,222,055	-	\$153,600	-	\$484,335	\$2,276,918	\$1,569,015	\$5,705,923
Design	\$46,120	-	\$10,138	-	\$173,284	-	-	\$229,542
Direct Expenses	-	-	-	-	-	\$17,795	-	\$17,795
<b>Total</b>	<b>\$1,329,209</b>	<b>-</b>	<b>\$171,925</b>	<b>-</b>	<b>\$690,500</b>	<b>\$2,409,449</b>	<b>\$1,647,467</b>	<b>\$6,248,550</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CP0651 - REPLACE WATER VALVES**

***Project Description***

Replace water valves that have reached the end of their support lifecycle. This work will prevent service disruptions.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$291,039	\$404,250	\$413,952	\$396,635	-	-	-	\$1,505,876
2020 Water Bond	-	-	-	-	\$423,794	\$435,212	\$903,892	\$1,762,898
Future Water Bond	-	-	-	-	-	-	\$468,996	\$468,996
<b>Total:</b>	<b>\$291,039</b>	<b>\$404,250</b>	<b>\$413,952</b>	<b>\$396,635</b>	<b>\$423,794</b>	<b>\$435,212</b>	<b>\$1,372,888</b>	<b>\$3,737,770</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$9,515	\$19,250	\$19,712	\$18,887	\$20,181	\$20,724	\$65,375	\$173,644
Construction	\$276,718	\$375,000	\$384,000	\$367,255	\$376,705	\$386,855	\$1,220,345	\$3,386,878
Direct Expenses	\$4,806	\$10,000	\$10,240	\$10,493	\$26,908	\$27,633	\$87,168	\$177,248
<b>Total</b>	<b>\$291,039</b>	<b>\$404,250</b>	<b>\$413,952</b>	<b>\$396,635</b>	<b>\$423,794</b>	<b>\$435,212</b>	<b>\$1,372,888</b>	<b>\$3,737,770</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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, EPDM liners, interior & exterior coatings & mixer equipment.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$199,621	\$99,750	\$102,144	\$113,564	-	-	-	\$515,079
2020 Water Bond	-	-	-	-	\$470,806	\$3,875,318	\$904,746	\$5,250,870
Future Water Bond	-	-	-	-	-	-	\$175,093	\$175,093
<b>Total:</b>	<b>\$199,621</b>	<b>\$99,750</b>	<b>\$102,144</b>	<b>\$113,564</b>	<b>\$470,806</b>	<b>\$3,875,318</b>	<b>\$1,079,839</b>	<b>\$5,941,042</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$9,364	\$4,750	\$4,864	\$5,408	\$22,419	\$184,539	\$51,421	\$282,765
Construction	\$189,997	\$95,000	\$97,280	\$108,156	\$102,249	\$3,660,201	\$912,337	\$5,165,220
Design	\$259	-	-	-	\$346,138	-	\$110,270	\$456,667
Direct Expenses	-	-	-	-	-	\$30,578	\$5,811	\$36,389
<b>Total</b>	<b>\$199,621</b>	<b>\$99,750</b>	<b>\$102,144</b>	<b>\$113,564</b>	<b>\$470,806</b>	<b>\$3,875,318</b>	<b>\$1,079,839</b>	<b>\$5,941,042</b>

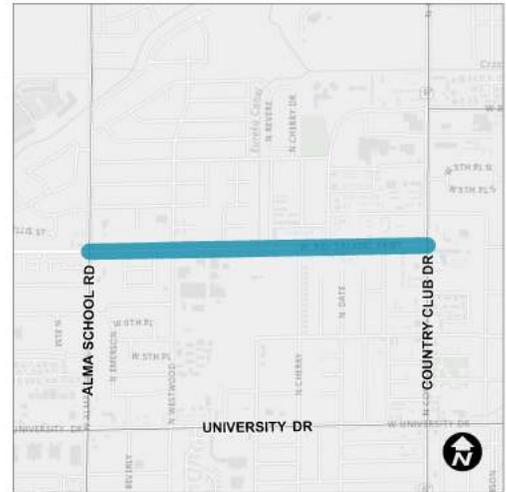
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### C10560 - Rio Salado Parkway Utility Line

##### *Project Description*

Replace existing asbestos cement waterline on Rio Salado that has reached the end of its useful life. The roadway will also be repaved in conjunction with the utility line work.



##### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2010 Water Bond	\$5,999	-	-	-	-	-	-	\$5,999
2020 Water Bond	-	-	-	-	\$467,981	-	-	\$467,981
<b>Total:</b>	<b>\$5,999</b>	-	-	-	<b>\$467,981</b>	-	-	<b>\$473,980</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$333	-	-	-	\$22,285	-	-	\$22,618
Construction	\$4,219	-	-	-	\$441,283	-	-	\$445,502
Design	\$1,447	-	-	-	-	-	-	\$1,447
Direct Expenses	-	-	-	-	\$4,413	-	-	\$4,413
<b>Total</b>	<b>\$5,999</b>	-	-	-	<b>\$467,981</b>	-	-	<b>\$473,980</b>

## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0647 - VAL VISTA WATER TREATMENT PLANT 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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Water Bond	-	-	-	-	\$226,023	\$2,344,341	-	\$2,570,364
<b>Total:</b>	-	-	-	-	<b>\$226,023</b>	<b>\$2,344,341</b>	-	<b>\$2,570,364</b>

##### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$10,763	\$111,635	-	\$122,398
Construction	-	-	-	-	-	\$2,210,600	-	\$2,210,600
Design	-	-	-	-	\$215,260	-	-	\$215,260
Direct Expenses	-	-	-	-	-	\$22,106	-	\$22,106
<b>Total</b>	-	-	-	-	<b>\$226,023</b>	<b>\$2,344,341</b>	-	<b>\$2,570,364</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**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 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$2,009,652	\$429,975	\$440,294	\$451,173	-	-	-	\$3,331,094
2020 Water Bond	-	-	-	-	\$4,770,567	\$29,966,043	\$20,066,414	\$54,803,024
Future Water Bond	-	-	-	-	-	-	\$10,411,703	\$10,411,703
<b>Total:</b>	<b>\$2,009,652</b>	<b>\$429,975</b>	<b>\$440,294</b>	<b>\$451,173</b>	<b>\$4,770,567</b>	<b>\$29,966,043</b>	<b>\$30,478,117</b>	<b>\$68,545,821</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP Administration	\$101,361	\$20,475	\$20,966	\$21,484	\$274,480	\$1,426,954	\$1,451,339	\$3,317,059
Construction	\$1,341,403	\$350,000	\$358,400	\$367,255	\$376,705	\$27,709,346	\$26,150,250	\$56,653,359
Design	\$556,765	\$56,000	\$57,344	\$58,761	\$4,082,994	\$552,650	\$2,615,025	\$7,979,539
Direct Expenses	\$10,123	\$3,500	\$3,584	\$3,673	\$36,388	\$277,093	\$261,503	\$595,864
<b>Total</b>	<b>\$2,009,652</b>	<b>\$429,975</b>	<b>\$440,294</b>	<b>\$451,173</b>	<b>\$4,770,567</b>	<b>\$29,966,043</b>	<b>\$30,478,117</b>	<b>\$68,545,821</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CP0722 - Water Line Inspection and Repairs**

**Project Description**

Inspect and repair waterlines citywide.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$445,880	\$1,177,050	\$662,323	\$1,235,078	-	-	-	\$3,520,331
2020 Water Bond	-	-	-	-	\$696,151	\$714,908	\$1,484,794	\$2,895,853
Future Water Bond	-	-	-	-	-	-	\$770,404	\$770,404
<b>Total:</b>	<b>\$445,880</b>	<b>\$1,177,050</b>	<b>\$662,323</b>	<b>\$1,235,078</b>	<b>\$696,151</b>	<b>\$714,908</b>	<b>\$2,255,198</b>	<b>\$7,186,588</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$20,823	\$56,050	\$31,539	\$58,813	\$33,150	\$34,043	\$107,391	\$341,809
Construction	\$401,921	\$1,000,000	\$512,000	\$1,049,300	\$538,150	\$552,650	\$1,743,350	\$5,797,371
Direct Expenses	\$16,785	\$10,000	\$5,120	\$10,493	\$5,382	\$5,527	\$17,434	\$70,741
Purchases	\$6,351	\$111,000	\$113,664	\$116,472	\$119,469	\$122,688	\$387,023	\$976,667
<b>Total</b>	<b>\$445,880</b>	<b>\$1,177,050</b>	<b>\$662,323</b>	<b>\$1,235,078</b>	<b>\$696,151</b>	<b>\$714,908</b>	<b>\$2,255,198</b>	<b>\$7,186,588</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CP0468 - Water Meter Vault Rehabilitation**

**Project Description**

Perform upgrades necessary for OSHA compliance & to reduce safety hazards for personnel & equip. Improvements are planned over several fiscal yrs. Purchase of meters is administered through Water Resources and Engineering oversees installation of meters.



**Project Expenditures by Fund**

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2014 Water Bond	\$341,076	\$949,725	\$972,518	\$996,547	-	-	-	\$3,259,866
2020 Water Bond	-	-	-	-	\$1,022,189	\$1,049,731	\$2,180,188	\$4,252,108
Future Water Bond	-	-	-	-	-	-	\$1,131,217	\$1,131,217
<b>Total:</b>	<b>\$341,076</b>	<b>\$949,725</b>	<b>\$972,518</b>	<b>\$996,547</b>	<b>\$1,022,189</b>	<b>\$1,049,731</b>	<b>\$3,311,405</b>	<b>\$8,643,191</b>

**Project Expenditures by Phase**

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	\$16,763	\$45,225	\$46,310	\$47,455	\$48,676	\$49,987	\$157,685	\$412,101
Construction	\$2,816	\$450,000	\$460,800	\$472,185	\$484,335	\$497,385	\$1,569,015	\$3,936,536
Design	\$289,691	\$200,000	\$204,800	\$209,860	\$215,260	\$221,060	\$697,340	\$2,038,011
Direct Expenses	-	\$4,500	\$4,608	\$4,722	\$4,843	\$4,974	\$15,690	\$39,337
Purchases	\$31,806	\$250,000	\$256,000	\$262,325	\$269,075	\$276,325	\$871,675	\$2,217,206
<b>Total</b>	<b>\$341,076</b>	<b>\$949,725</b>	<b>\$972,518</b>	<b>\$996,547</b>	<b>\$1,022,189</b>	<b>\$1,049,731</b>	<b>\$3,311,405</b>	<b>\$8,643,191</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CN0029 - WATER METERS**

***Project Description***

Purchase new water meters in sizes 3/4-inch through 2-inch in response to projected customer growth or replacement water meters to ensure accurate measurement of water usage by customers.



**Project Expenditures by Fund**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Utility Replacement Extension and Renewal - WTR	\$201,452	\$770,000	\$808,960	\$849,933	\$893,329	\$939,505	\$3,010,185	\$7,473,364
<b>Total:</b>	<b>\$201,452</b>	<b>\$770,000</b>	<b>\$808,960</b>	<b>\$849,933</b>	<b>\$893,329</b>	<b>\$939,505</b>	<b>\$3,010,185</b>	<b>\$7,473,364</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
Purchases	\$201,452	\$770,000	\$808,960	\$849,933	\$893,329	\$939,505	\$3,010,185	\$7,473,364
<b>Total</b>	<b>\$201,452</b>	<b>\$770,000</b>	<b>\$808,960</b>	<b>\$849,933</b>	<b>\$893,329</b>	<b>\$939,505</b>	<b>\$3,010,185</b>	<b>\$7,473,364</b>

**Utilities Major Program Detail  
Fiscal Years 2018 - 2022**

**Water Lifecycle**

**CP0650 - WATER SERVICES EXTENSION AND 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**

<b>Fund</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
2014 Water Bond	\$3,942	\$212,100	\$217,190	\$222,557	-	-	-	\$655,789
2020 Water Bond	-	-	-	-	\$244,105	\$250,682	\$520,642	\$1,015,429
Future Water Bond	-	-	-	-	-	-	\$270,142	\$270,142
<b>Total:</b>	<b>\$3,942</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$244,105</b>	<b>\$250,682</b>	<b>\$790,784</b>	<b>\$1,941,360</b>

**Project Expenditures by Phase**

<b>Phase</b>	<b>Estimated Exp Thru FY 16/17</b>	<b>FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>Future Years</b>	<b>Totals</b>
CIP Administration	\$184	\$10,100	\$10,342	\$10,598	\$11,624	\$11,937	\$37,657	\$92,442
Construction	\$3,758	\$200,000	\$204,800	\$209,860	\$215,260	\$221,060	\$697,340	\$1,752,078
Direct Expenses	-	\$2,000	\$2,048	\$2,099	\$17,221	\$17,685	\$55,787	\$96,840
<b>Total</b>	<b>\$3,942</b>	<b>\$212,100</b>	<b>\$217,190</b>	<b>\$222,557</b>	<b>\$244,105</b>	<b>\$250,682</b>	<b>\$790,784</b>	<b>\$1,941,360</b>

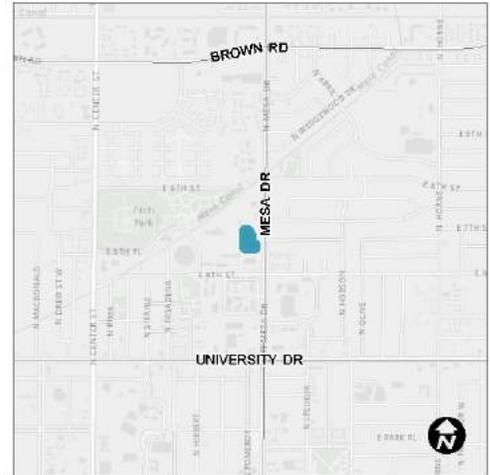
## Utilities Major Program Detail Fiscal Years 2018 - 2022

### Water Lifecycle

#### CP0336 - Water System Compliance Lab Replacement

##### *Project Description*

Replace lab equipment that is used for regulatory compliance.



#### Project Expenditures by Fund

Fund	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
2020 Wastewater Bond	-	-	-	-	\$346,849	\$48,842	-	\$395,691
2020 Water Bond	-	-	-	-	\$176,722	\$197,296	-	\$374,018
<b>Total:</b>	-	-	-	-	<b>\$523,571</b>	<b>\$246,138</b>	-	<b>\$769,709</b>

#### Project Expenditures by Phase

Phase	Estimated Exp Thru FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Future Years	Totals
CIP								
Administration	-	-	-	-	\$28,049	\$12,159	-	\$40,208
Direct Expenses	-	-	-	-	\$24,238	\$3,413	-	\$27,651
Purchases	-	-	-	-	\$471,284	\$230,566	-	\$701,850
<b>Total</b>	-	-	-	-	<b>\$523,571</b>	<b>\$246,138</b>	-	<b>\$769,709</b>



# City of Mesa

Five-Year Capital  
Improvement Program  
FY 2018 - 2022

## UTILITIES

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

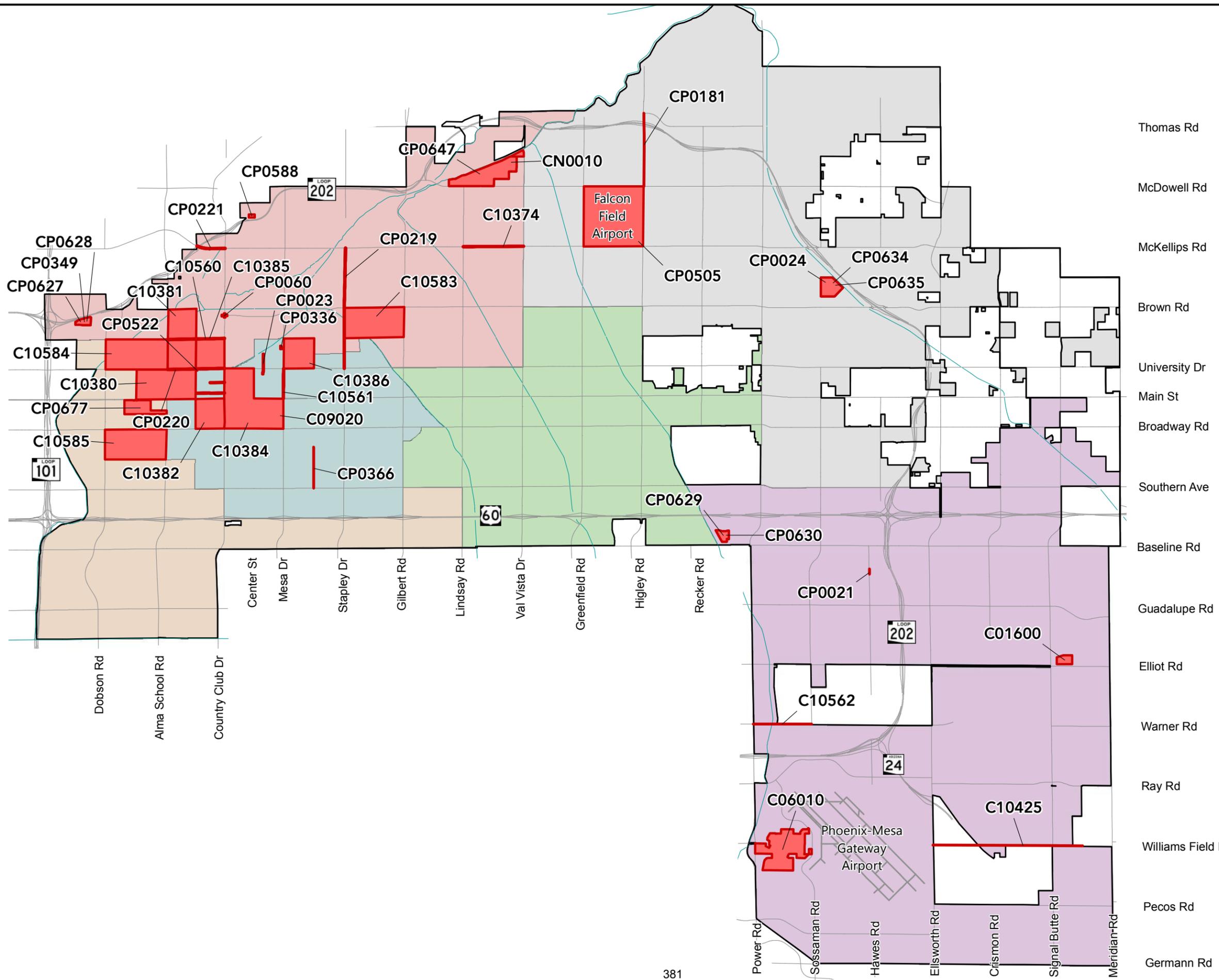
### Citywide, External or Location TBD Projects

C01454 CN0015 CP0151 CP0468 CP0620 CP0642  
 C01886 CN0026 CP0152 CP0475 CP0621 CP0645  
 C04046 CN0027 CP0153 CP0479 CP0622 CP0646  
 C04048 CN0028 CP0154 CP0590 CP0623 CP0648  
 C09019 CN0029 CP0155 CP0598 CP0624 CP0650  
 C09021 CN0035 CP0156 CP0599 CP0625 CP0651  
 C09022 CN0036 CP0193 CP0600 CP0626 CP0652  
 C09023 CP0067 CP0263 CP0616 CP0636 CP0722  
 C09024 CP0071 CP0320 CP0617 CP0639  
 C10388 CP0081 CP0365 CP0618 CP0640  
 CN0014 CP0082 CP0464 CP0619 CP0641



MAP CREATION DATE: 6/8/2017  
 MAP CREATED BY: Engineering-GIS

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RESOLUTION NO. 10974

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

WHEREAS, the City Manager of the City of Mesa did prepare and submit a Five Year Capital Program for the City of Mesa pursuant to the provisions of Section 605 of the Mesa City Charter; and

WHEREAS, pursuant to the provisions of Section 606 of the Mesa City Charter, a general summary of the preliminary Capital Program has been published for the period required and notice of the hearing on said proposed program has been 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 22, 2017 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 said 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 Five Year 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 22<sup>nd</sup> day of May, 2017.

APPROVED

  
\_\_\_\_\_  
Mayor

ATTEST:

  
City Clerk



**City of Mesa**  
**Summary of Final Five-Year Capital Improvement Program**

Exhibit A

<b>Capital Appropriations</b>	Proposed	Proposed	Proposed	Proposed	Proposed	
<u>Enterprise Fund</u>	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Total
Capital - Enterprise	877,537	279,779	286,694	294,072	301,995	2,040,077
<b>Subtotal Enterprise Fund</b>	<b>877,537</b>	<b>279,779</b>	<b>286,694</b>	<b>294,072</b>	<b>301,995</b>	<b>2,040,077</b>
<u>General Fund</u>	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Total
Capital - General Fund	5,827,368	4,932,559	4,111,517	3,265,226	4,087,676	22,224,346
<b>Subtotal General Fund</b>	<b>5,827,368</b>	<b>4,932,559</b>	<b>4,111,517</b>	<b>3,265,226</b>	<b>4,087,676</b>	<b>22,224,346</b>
<u>Grant Funds</u>	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Total
Community Development Block Grant	4,062,003	-	-	-	-	4,062,003
Grants - Enterprise	4,311,402	3,391,375	3,360,802	2,860,803	2,183,196	16,107,578
Grants - Gen. Gov.	5,470,629	256,000	6,327,279	444,107	898,629	13,396,644
<b>Subtotal Grant Funds</b>	<b>13,844,034</b>	<b>3,647,375</b>	<b>9,688,081</b>	<b>3,304,910</b>	<b>3,081,825</b>	<b>33,566,225</b>
<u>Restricted Funds</u>	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Total
Arts & Culture Fund	134,139	-	-	-	-	134,139
Cemetery Reserve	983,850	-	17,146	344,445	-	1,345,441
Economic Investment Fund	442,862	-	-	-	-	442,862
Environmental Compliance Fee	4,282,903	-	-	-	-	4,282,903
Falcon Field Airport	3,630,928	479,345	546,594	732,991	1,300,819	6,690,677
Greenfield WRP Joint Venture <sup>(1)</sup>	52,852,391	100,814,432	49,240,473	3,529,434	6,901,651	213,338,381
Highway User Revenue Fund	5,914,573	695,090	-	-	-	6,609,663
Local Streets Sales Tax	18,436,474	5,861,250	3,695,632	7,850,888	4,045,641	39,889,885
Restricted Programs Fund	130,000	-	-	-	-	130,000
TOPAZ Joint Venture Fund <sup>(1)</sup>	1,349,804	659,280	675,569	-	-	2,684,653
Transit Fund	18,916,126	10,083,806	-	-	-	28,999,932
Transportation	18,808,835	1,864,154	7,071,872	6,137,856	-	33,882,717
Utility Replacement Extension and Renewal	3,047,176	3,176,061	3,272,744	3,429,497	3,516,728	16,442,206
<b>Subtotal Restricted Funds</b>	<b>128,930,061</b>	<b>123,633,418</b>	<b>64,520,030</b>	<b>22,025,111</b>	<b>15,764,839</b>	<b>354,873,459</b>
<u>Current Bond Authorization</u>	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Total
1994 Solid Waste Bond	3,368,000	-	-	-	-	3,368,000
2010 Gas Bond	3,091,023	791,587	6,822,895	-	-	10,705,505
2010 Wastewater Bond	3,555,157	3,260,376	991,925	-	-	7,807,458
2010 Water Bond	1,706,250	-	-	-	-	1,706,250
2012 Park Bond	21,299,450	2,355,200	-	-	-	23,654,650
2013 Public Safety Bond	185,494	-	-	-	-	185,494
2013 Street Bond	17,373,375	3,017,936	2,013,147	-	-	22,404,458
2014 Electric Bond	7,519,810	2,108,425	2,110,440	-	-	11,738,675
2014 Gas Bond	10,668,427	9,463,621	11,571,385	-	-	31,703,433
2014 Wastewater Bond	41,732,943	65,631,418	31,766,975	2,061,923	-	141,193,259
2014 Water Bond	79,079,981	15,073,637	24,833,027	760,947	-	119,747,592
Spring Training Bond Construction	324,090	-	-	-	-	324,090
<b>Subtotal Current Bond Authorization</b>	<b>189,904,000</b>	<b>101,702,200</b>	<b>80,109,794</b>	<b>2,822,870</b>	<b>-</b>	<b>374,538,864</b>

(1) Joint venture funds include the cost to the City as well as the cost to the partner jurisdictions.

(2) 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.

(3) Future Bond Authorizations for Parks, Public Safety, and Library are not included at this time pending the completion of studies to identify service needs and priorities.

**City of Mesa**  
**Summary of Final Five-Year Capital Improvement Program**

Exhibit A

<b>Capital Appropriations</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	
<b>Future Bond Authorization <sup>(3)</sup></b>	<b>FY 2017/18</b>	<b>FY 2018/19</b>	<b>FY 2019/20</b>	<b>FY 2020/21</b>	<b>FY 2021/22</b>	<b>Total</b>
2018 Street Bond Construction	-	14,806,531	31,105,659	39,833,365	26,555,935	112,301,490
2020 Electric Bond Construction	-	-	-	4,903,496	5,514,743	10,418,239
2020 Gas Bond Construction	-	-	-	36,440,523	22,937,660	59,378,183
2020 Wastewater Bond Construction	-	-	-	30,649,882	46,776,811	77,426,693
2020 Water Bond Construction	-	-	-	30,557,406	115,766,571	146,323,977
<b>Subtotal Future Bond Authorization</b>	<b>-</b>	<b>14,806,531</b>	<b>31,105,659</b>	<b>142,384,672</b>	<b>217,551,720</b>	<b>405,848,582</b>
<b>Total Capital Improvement Program</b>	<b>339,383,000</b>	<b>249,001,862</b>	<b>189,821,775</b>	<b>174,096,861</b>	<b>240,788,055</b>	<b>1,193,091,553</b>
<b>Operations and Maintenance <sup>(2)</sup></b>	<b>FY 2017/18</b>	<b>FY 2018/19</b>	<b>FY 2019/20</b>	<b>FY 2020/21</b>	<b>FY 2021/22</b>	<b>Total</b>
<b>One Time Start Up</b>						
Capital - Enterprise	591,675	-	-	-	-	591,675
Enterprise Fund	1,583,904	-	-	-	-	1,583,904
Environmental Compliance Fee	250,000	122,880	-	-	-	372,880
Greenfield WRP Joint Venture	9,500	-	-	-	-	9,500
<b>One Time Start Up Total</b>	<b>2,435,079</b>	<b>122,880</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,557,959</b>
<b>Ongoing</b>						
Cemetery	11,000	11,264	11,543	11,840	12,159	57,806
Enterprise Fund	1,571,301	2,720,729	3,852,205	4,023,377	4,189,397	16,357,009
Environmental Compliance Fee	338,814	497,624	519,367	550,061	579,357	2,485,223
General Fund	556,280	1,174,264	1,205,122	1,236,131	1,269,438	5,441,235
Greenfield WRP Joint Venture	268,499	274,942	2,911,993	3,076,532	3,159,427	9,691,393
Highway User Revenue Fund	37,735	141,144	153,023	224,248	261,137	817,287
Local Streets Sales Tax	103,051	203,575	216,532	222,104	246,931	992,193
Transit Fund	-	938,496	3,846,734	3,945,716	4,052,030	12,782,976
<b>Ongoing Total</b>	<b>2,886,680</b>	<b>5,962,038</b>	<b>12,716,519</b>	<b>13,290,009</b>	<b>13,769,876</b>	<b>48,625,122</b>
<b>Total One-Time Start up and Ongoing Maintenance</b>	<b>5,321,759</b>	<b>6,084,918</b>	<b>12,716,519</b>	<b>13,290,009</b>	<b>13,769,876</b>	<b>51,183,081</b>

(1) Joint venture funds include the cost to the City as well as the cost to the partner jurisdictions.

(2) 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.

(3) Future Bond Authorizations for Parks, Public Safety, and Library are not included at this time pending the completion of studies to identify service needs and priorities.



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