



Capital Improvement Program



Fiscal Years
2017-2021
City of Mesa, Arizona

Five Year Capital Improvement Program 2017 - 2021



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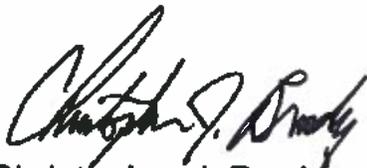
To the Honorable Mayor, City Council Members and the residents of the City of Mesa:

I am pleased to present the City of Mesa's 2017-2021 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

2017 – 2021 Capital Improvement Program

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Capital Improvement Program Overview



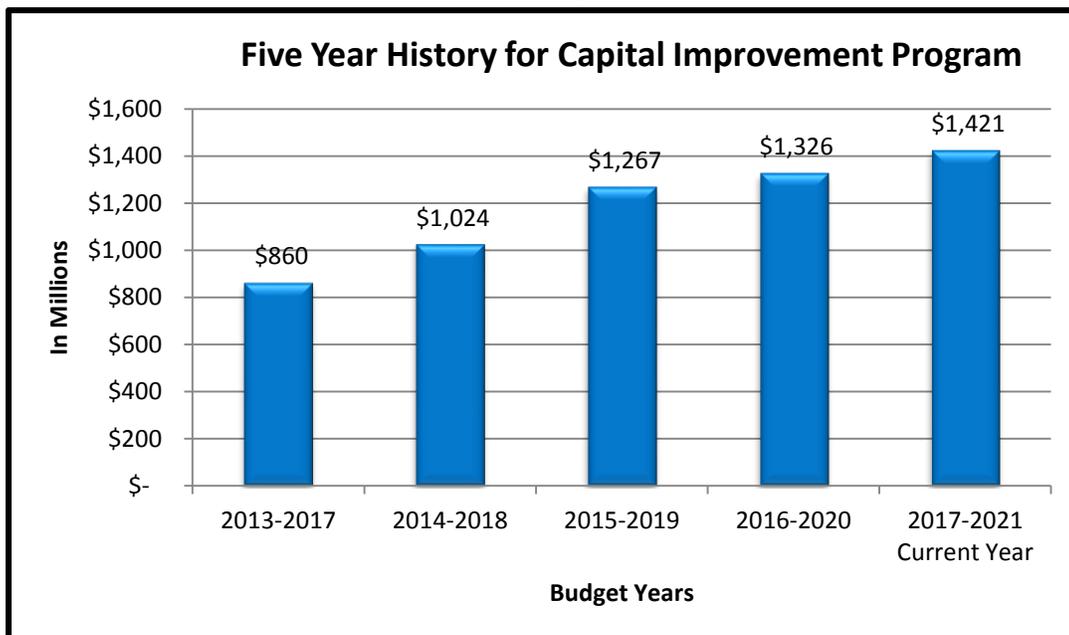
***Fiscal Years
2017-2021***
City of Mesa, Arizona

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 and 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



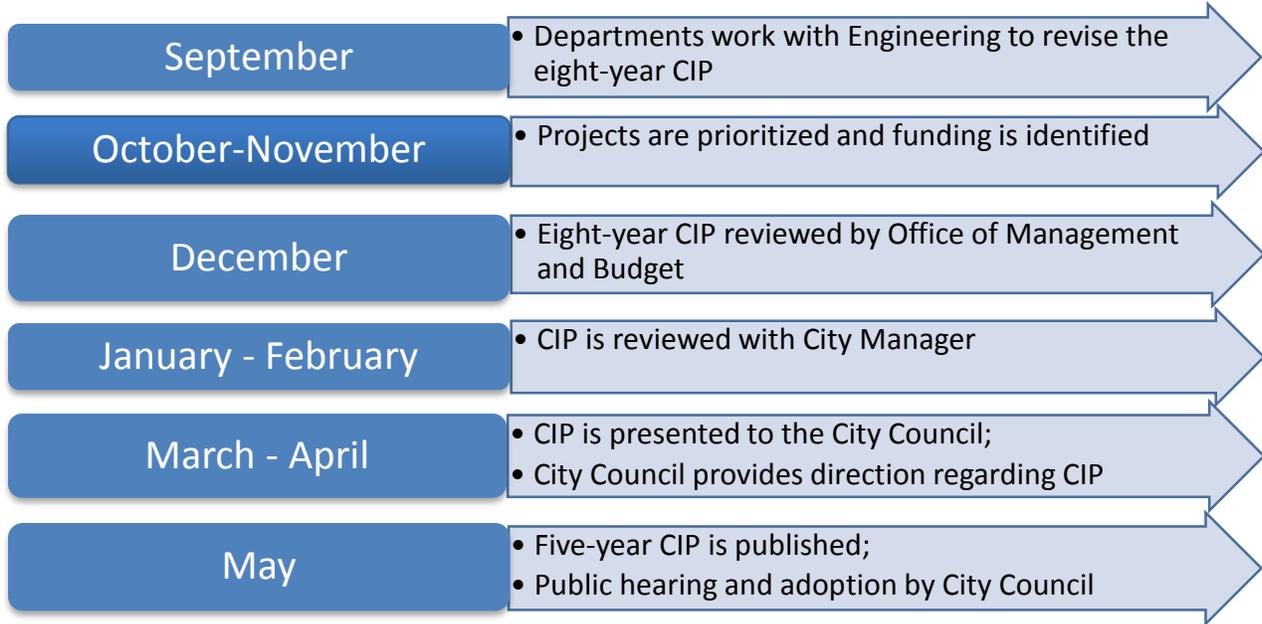
CIP BUDGET PROCESS

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 2016/17 annual budget is \$311,920,000. Capital improvements are funded by two primary sources: (1) operating revenues and (2) bonds. The following is a brief 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, 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. If these revenue sources are not sufficient, the General Fund is used to fund the remaining portion of the payment.

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

FUNDING TO BE DETERMINED

During the planning process for the five-year CIP, there were many projects included in discussions that did not have an identified funding source. Although the funding source was unknown, the projects were a high enough priority that staff felt it important to leave them in the five-year plan as a placeholder. Leaving the project in the plan ensures that it can be reviewed and considered for funding during future budget cycles. The funding source for these projects is labeled “Funding to be determined”. The Police Department has prioritized resurfacing of the driving track at the Public Safety Training Facility. This track is used to improve the driving skills of police officers. The track is scheduled to be resurfaced in FY 2018/19 with an estimated cost of \$2.9M. The funding source is unknown at this time but the resurface is a high priority for public safety, therefore it is included in the five-year CIP for planning purposes.

All projects in FY 2016/17 have an authorized funding source. Funding to be determined is only used in future years. Included in the five-year plan is approximately \$23.2M for projects without a funding source. These projects are shown with the funding source, 'funding to be determined'. No project noted with the funding source as funding to be determined will proceed until a funding source is identified and approved. During the CIP planning process for next fiscal year, the service need and funding need will be evaluated with other City needs.

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 2015/16 CIP budget compared to FY 2016/17. 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 2015/16	FY 2016/17
<i>Operating Funds</i>		
Unrestricted	\$3,288,027	\$5,243,521
Restricted	\$53,909,973	\$48,095,479
Operating Funds Subtotal	\$57,198,000	\$53,339,000
<i>Bond Funds</i>		
General Obligation	\$35,536,548	\$47,320,397
Utility Revenue	\$109,520,452	\$211,260,603
Bond Funds Subtotal	\$145,057,000	\$258,581,000
Total Budget (without carryover)	\$202,255,000	\$311,920,000
<i>Carryover</i>		
Operating Funds Carryover	\$27,434,000	-
Bond Fund Carryover	\$111,846,000	-
Carryover Subtotal	\$139,280,000	-
Total CIP Budget	\$341,535,000	\$311,920,000

Notable differences in the CIP budget between FY 2015/16 and FY 2016/17 include the following:

General Obligation Bonds – FY 2016/17 includes the remainder of the 2012 authorized Park Bonds as well as the addition of 5 new arterial street reconstruction projects. The City is using regional funding to leverage \$6.3 million arterial street reconstruct bond funding into \$26.8 million in Streets improvements.

Utility Revenue Bonds – FY 2016/17 includes the construction of the new Signal Butte Water Treatment Plant and the Greenfield Wastewater Reclamation Plant Expansion. Both of these projects are multi-year and will continue in FY 2016/17. The total cost of the Signal Butte Water Treatment Plant is \$128.2 million over the life of the project.

Carryover – For FY 2016/17, the City discontinued using a budget carryover process as part of developing the proposed five-year CIP. Carryover is the process of taking the unused budget appropriation of a project from one fiscal year and adding or ‘carrying’ it over to the budget appropriation for the next fiscal year. The City will manage the total project budget to ensure a project has sufficient funding to take it from design to completion.

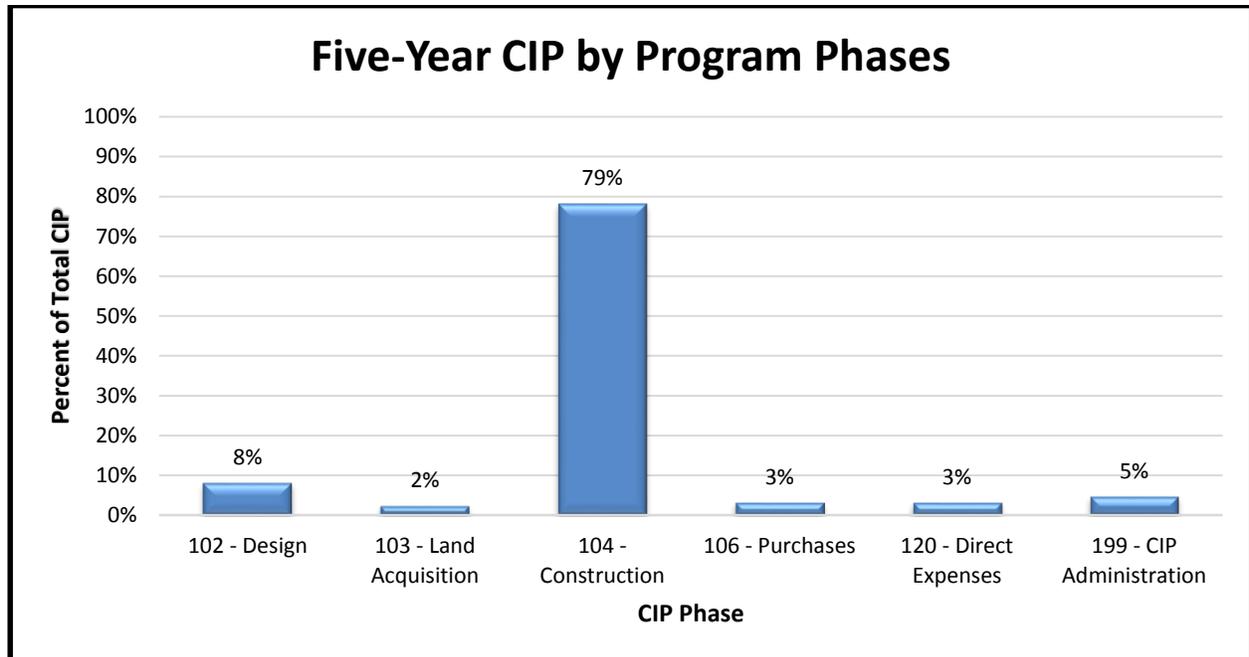
Table 2: Summary of the 2017-2021 Five-year CIP Budget

Funding Source	Five Year Capital Improvement Program Funding Sources					
	2016/17	2017/18	2018/19	2019/20	2020/21	5 Year Total
Operating Funds						
Restricted Funds	\$ 44,557,301	\$ 85,836,874	\$ 106,981,838	\$ 60,971,758	\$ 11,984,622	\$ 310,332,393
Unrestricted Funds	\$ 5,243,521	\$ 5,449,198	\$ 9,939,024	\$ 9,291,645	\$ 8,662,313	\$ 38,585,701
Grant Funds						
Grants-Enterprise	\$ 2,788,178	\$ 2,739,362	\$ 4,209,899	\$ 5,444,855	\$ 685,927	\$ 15,868,221
Grants - General Gov.	\$ 750,000	\$ 3,161,402	-	\$ 1,773,203	\$ 460,270	\$ 6,144,875
Total Operating Funds	\$ 53,339,000	\$ 97,186,836	\$ 121,130,761	\$ 77,481,461	\$ 21,793,132	\$ 370,931,190
Bond Funds						
Electric Bonds	\$ 11,706,885	\$ 6,003,112	\$ 4,901,988	\$ 4,649,908	\$ 4,839,609	\$ 32,101,502
Gas Bonds	\$ 24,524,058	\$ 15,432,833	\$ 14,076,980	\$ 21,665,056	\$ 23,136,509	\$ 98,835,436
Water Bonds	\$ 146,512,623	\$ 78,902,259	\$ 29,491,852	\$ 40,640,139	\$ 43,275,537	\$ 338,822,410
Wastewater Bonds	\$ 28,517,037	\$ 55,332,181	\$ 84,272,235	\$ 54,614,227	\$ 28,800,548	\$ 251,536,228
Parks Bonds	\$ 14,171,255	\$ 1,252,996	\$ 497,141	\$ 504,898	\$ 30,031,546	\$ 46,457,836
Public Safety Bonds	\$ 9,436,635	-	\$ 22,801,747	\$ 66,441,198	\$ 42,186,921	\$ 140,866,501
Streets Bonds	\$ 23,712,507	\$ 12,650,714	\$ 17,690,068	\$ 25,715,312	\$ 58,940,373	\$ 138,708,974
Solid Waste Bonds	-	\$ 2,814,291	-	-	-	\$ 2,814,291
Total Bond Funds	\$ 258,581,000	\$ 172,388,386	\$ 173,732,011	\$ 214,230,738	\$ 231,211,043	\$ 1,050,143,178
Total Budget	\$ 311,920,000	\$ 269,575,222	\$ 294,862,772	\$ 291,712,199	\$ 253,004,175	\$ 1,421,074,368

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. For the current five-year CIP, construction is approximately 79%.

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				
	2016/17	2017/18	2018/19	2019/20	2020/21
General Fund	\$938,591	\$1,561,659	\$2,230,938	\$3,944,740	\$4,354,289
Cemetery Fund	-	\$11,466	\$11,756	\$12,041	\$12,269
Local Street Sales Tax	\$252,325	\$447,377	\$601,954	\$635,544	\$801,766
Environmental Compliance Fund	\$10,000	\$504,674	\$605,114	\$488,346	\$497,672
Enterprise Fund	\$56,150	\$1,463,735	\$3,010,814	\$4,224,389	\$4,479,761
Capital - Enterprise Fund	-	\$3,373,155	\$61,135	-	-
Capital - General Fund	\$104,051	-	-	-	-
Greenfield WRP Joint Venture Fund	\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222
Transit Fund	-	-	\$2,554,456	\$4,012,694	\$4,089,313
Total Operational Impact	\$1,370,692	\$7,498,291	\$9,436,691	\$16,416,686	\$17,384,292

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 Fiesta 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	2016/17	2017/18	2018/19	2019/20	2020/21
General Fund					
Start-up	-	-	-	-	\$262,678
Ongoing	\$938,591	\$1,561,659	\$2,230,938	\$3,944,740	\$4,091,611
Cemetery Fund					
Ongoing	-	\$11,466	\$11,756	\$12,041	\$12,269
Local Street Sales Tax					
Ongoing	\$252,325	\$447,377	\$601,954	\$635,544	\$801,766
Environmental Compliance Fund					
Start-up	-	\$145,926	\$128,257	-	-
Ongoing	\$10,000	\$358,748	\$476,857	\$488,346	\$497,672
Enterprise Fund					
Ongoing	\$56,150	\$1,463,735	\$3,010,814	\$4,224,389	\$4,479,761
Capital - Enterprise Fund					
Start-up	-	\$3,373,155	\$61,135	-	-
Capital - General Fund					
Start-up	\$104,051	-	-	-	-
Greenfield WRP Joint Venture Fund					
Ongoing	\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222
Transit Fund					
Ongoing	-	-	\$2,554,456	\$4,012,694	\$4,089,313
Total Operational Impact	\$1,370,692	\$7,498,291	\$9,436,691	\$16,416,686	\$17,384,292

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 2016/17. 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.

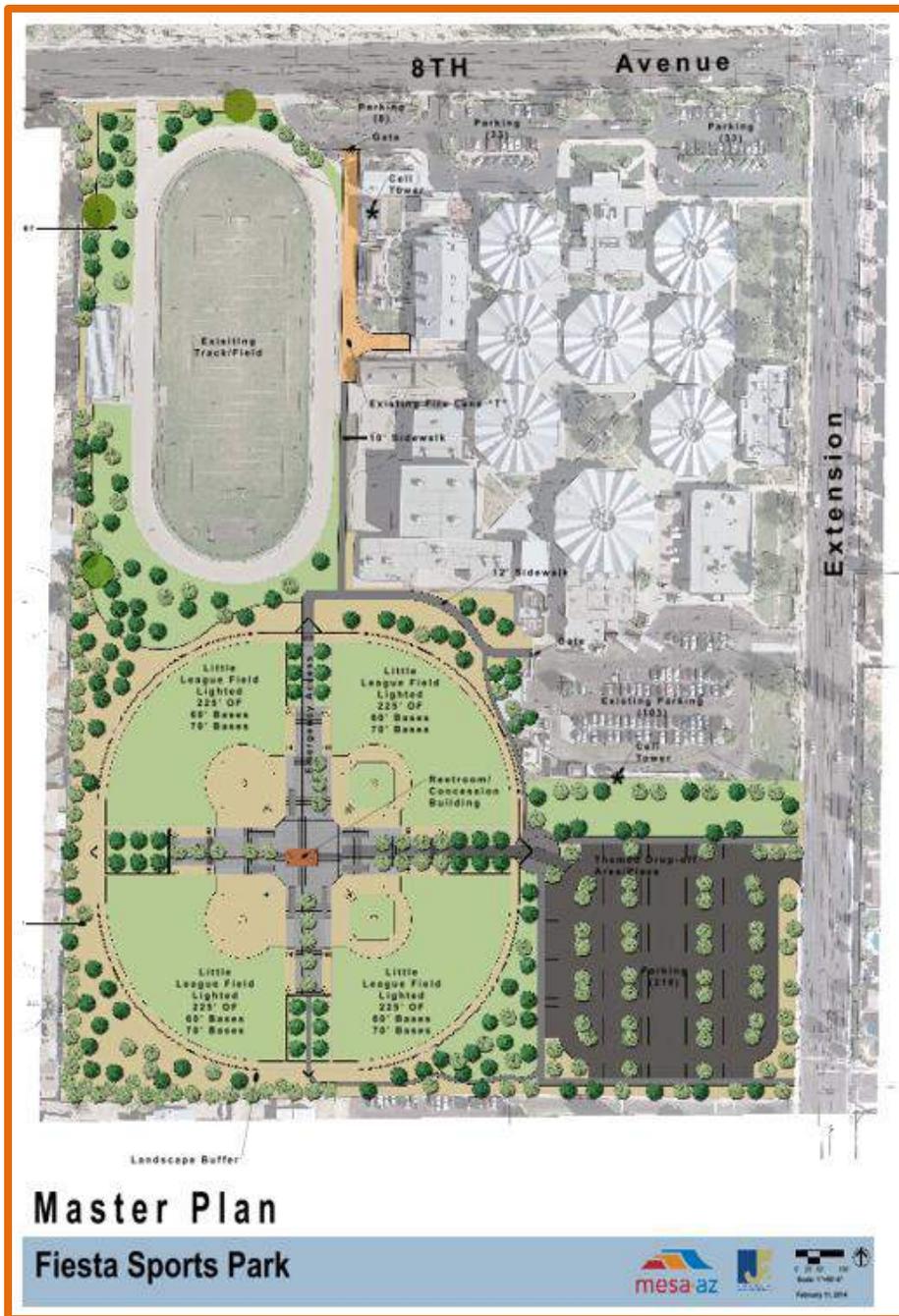
Fiesta Sports Park

Project Description:

Construction is currently underway on the grounds surrounding the former Powell Junior High School campus. The new Fiesta Sports Park includes four new lighted youth baseball/softball fields, practice lighting for the football field, new parking lot, central restroom, and concessions building, small playground. Mesa Public Schools sold the property to the City in August 2015.

Annual Operating Impact: ~\$433,000 – \$484,000

The annual operations and maintenance costs will range from \$433,000 - \$484,000. 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.



Pioneer Park

Project Description: Renovate Pioneer Park to improve and add park amenities. The project includes construction of a new signature, iconic, and dynamic playground on the west side of the park, a new splash pad, ADA and accessibility upgrades to the existing restroom and park site, a train plaza with a focus on interpretive signage explaining the history of the train and a picnic ramada, two new basketball courts with lighting on the east side of the park, site lighting and park furniture updates throughout the park, update all park signage, updates to park configuration, and expansion of public WIFI.

Annual Operating Impact: ~\$356,000 – \$397,000

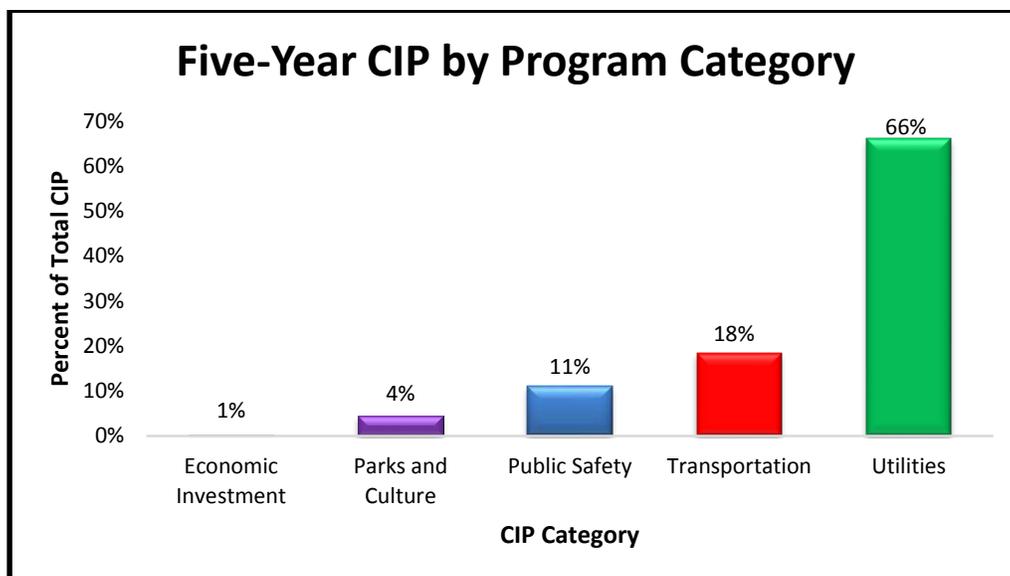
The annual operations and maintenance costs will range from \$356,000 – \$397,000. This will cover maintenance staff, but also upkeep of the park and its facilities such as maintenance of the new splash pad as well as support for additional activities and uses of the park.



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



Economic Investment – projects are defined to promote economic development in five key areas: Healthcare, Education, Aerospace, Tourism, and Technology. It can also include any improvements or land acquisition associated with City Facilities.

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.

Glossary of Funding Sources, Terms and Abbreviations

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

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.

Local Streets Sales Tax are funds obtained through the passage of the May 2006 increase of the Transaction Privilege (Sales Tax) by .5%, of which .3% has been dedicated to Transportation. This fund provides the matching requirement to obtain Maricopa Association of Governments (MAG) Proposition 400 monies as well as providing a local revenue source and can only be used for streets related activities.

Highway User Revenue Fund (HURF) are funds through the State of Arizona collection of gasoline tax and a number of additional transportation related fees. These taxes represent the primary source of revenues available to the state for highway construction and improvements and other related expenses. 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.

Proposition 400 Revenue Fund is the Maricopa County voter-approved Proposition 400 for a 20-year continuation of the half-cent sales tax for Transportation projects in Maricopa County. Funds in this category can only be used for Transportation related activities.

Federal Aid are funds obtained through federal grants such as Community Development Block Grants (CDBG) and Federal Transit Administration.

State Aid are funds obtained through state grants such as Arizona Department of Transportation Aeronautics Division.

General funds are revenue sources such as State shared revenues and local sales tax.

Enterprise funds are various city utility operations (electric, gas, water, wastewater, solid waste and district cooling) or those operations with services that are operated similar to a private business (Golf course, Falcon Field and the Convention Center). These operations are evaluated for cost recovery from customers utilizing their services.

General Obligation Bonds are issued for a variety of capital improvement projects and equipment. Limitations on bonding capacity are set by State of Arizona statute.

Utility Revenue (UR) Bonds are bonds that have no statutory limitations as to the amount of issuance. Projects that fall into this category are Electric, Gas, Solid Waste, Water, and Wastewater projects. Bonds used for these projects are repaid from revenues received from the City's customers of that particular utility.

FUNDING TO BE DETERMINED – Funding placeholder used to identify projects that are a priority to be completed within the five-year CIP period but do not have a committed funding source identified. These projects will not move forward until an authorized funding source has been identified.

FUTURE AUTHORIZATION – Projects 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.

Major Program Summary - Capital Expenditures



Fiscal Years
2017-2021
City of Mesa, Arizona

Capital Expenditures Summary

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

General Government (Page 1 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
CIP Bond Issuance Cost	2010 Gas Bond	\$20,000	\$40,592	-	-	-	-	-	\$60,592
	2010 Wastewater Bond	-	\$116,932	-	-	-	-	-	\$116,932
	2012 Park Bond	\$140,000	\$77,250	-	-	-	-	-	\$217,250
	2013 Public Safety Bond	\$1,000	\$97,014	-	-	-	-	-	\$98,014
	2013 Street Bond	\$19,000	\$115,876	-	-	-	-	-	\$134,876
	2014 Electric Bond	-	\$16,924	-	-	-	-	-	\$16,924
	2014 Wastewater Bond	-	\$72,530	-	-	-	-	-	\$72,530
	2014 Water Bond	\$120,000	\$435,178	-	-	-	-	-	\$555,178
Total for CIP Bond Issuance Cost		\$300,000	\$972,296	-	-	-	-	-	\$1,272,296
Fleet – West Restroom Renovation	Funding to Be Determined	-	-	\$328,334	-	-	-	-	\$328,334
Total for Fleet – West Restroom Renovation		-	-	\$328,334	-	-	-	-	\$328,334
Gene Autry Clubhouse Septic System Abandonment	Capital - General Fund	-	\$525,000	-	-	-	-	-	\$525,000
Total for Gene Autry Clubhouse Septic System Abandonment		-	\$525,000	-	-	-	-	-	\$525,000

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

General Government (Page 2 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Mesa City Plaza Plumbing Replacement	Funding to Be Determined	-	-	\$114,656	-	-	-	-	\$114,656
Total for Mesa City Plaza Plumbing Replacement		-	-	\$114,656	-	-	-	-	\$114,656
PD Central Drain Lines Replacement	Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
Total for PD Central Drain Lines Replacement		-	\$210,000	-	-	-	-	-	\$210,000
Red Mountain Multi-Generational Center Flooring Replacement	Capital - General Fund	-	\$525,000	-	-	-	-	-	\$525,000
Total for Red Mountain Multi-Generational Center Flooring Replacement		-	\$525,000	-	-	-	-	-	\$525,000
Red Mountain Multi-Generational Center Restroom Renovation	Capital - General Fund	-	\$367,500	-	-	-	-	-	\$367,500
Total for Red Mountain Multi-Generational Center Restroom Renovation		-	\$367,500	-	-	-	-	-	\$367,500
Total for General Government		\$320,000	\$2,599,796	\$442,990	-	-	-	-	\$3,362,786

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2017 – 2021 Capital Improvement Program
 Program Summary – Capital Expenses

HEAT Initiative

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Feasibility Study - 20 E Main Rooftop Restaurant	Local Streets Sales Tax		-	\$12,600	-	-	-	-	\$12,600
Total for Feasibility Study - 20 E Main Rooftop Restaurant			-	\$12,600	-	-	-	-	\$12,600
Total for HEAT Initiative			-	\$12,600	-	-	-	-	\$12,600

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2017 – 2021 Capital Improvement Program
 Program Summary – Capital Expenses

Arts and Culture

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Museum & Cultural Resource Expansion (Federal Building)	2012 Park Bond	\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000
Total for Museum & Cultural Resource Expansion (Federal Building)		\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000
Total for Arts and Culture		\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Cemetery

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Cemetery North Expansion	Cemetery Reserve	-	\$953,000	-	-	-	-	-	\$953,000
Total for Cemetery North Expansion		-	\$953,000	-	-	-	-	-	\$953,000
Future Cemetery Expansion	Cemetery Reserve	-	-	-	-	\$17,887	\$356,981	-	\$374,868
Total for Future Cemetery Expansion		-	-	-	-	\$17,887	\$356,981	-	\$374,868
Total for Cemetery		-	\$953,000	-	-	\$17,887	\$356,981	-	\$1,327,868

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Hohokam Stadium / Fitch Park

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Hohokam Stadium Dug-Out Elevator Replacement	Hohokam/Fitch Sports Complex	-	\$105,000	-	-	-	-	-	\$105,000
Total for Hohokam Stadium Dug-Out Elevator Replacement		-	\$105,000	-	-	-	-	-	\$105,000
Hohokam Stadium Structural/Concrete Evaluation Study	Funding to Be Determined	-	-	\$109,445	-	-	-	-	\$109,445
Total for Hohokam Stadium Structural/Concrete Evaluation Study		-	-	\$109,445	-	-	-	-	\$109,445
Total for Hohokam Stadium / Fitch Park		-	\$105,000	\$109,445	-	-	-	-	\$214,445

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Parks & Recreation (Page 1 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Baseball Lighting	2012 Park Bond	\$4,351,750	\$1,200	-	-	-	-	-	\$4,352,950
	Future Park Bond	-	-	-	\$497,141	\$504,898	\$515,614	-	\$1,517,653
	Restricted Programs Fund	-	\$23,667	-	-	-	-	-	\$23,667
Total for Baseball Lighting		\$4,351,750	\$24,867	-	\$497,141	\$504,898	\$515,614	-	\$5,894,270
Eagles Park	2012 Park Bond	\$206,604	\$3,021,985	-	-	-	-	-	\$3,228,589
Total for Eagles Park		\$206,604	\$3,021,985	-	-	-	-	-	\$3,228,589
East District Neighborhood Park at Mountain & Adobe	Future Park Bond	-	-	-	-	-	\$569,594	\$1,964,621	\$2,534,215
Total for East District Neighborhood Park at Mountain & Adobe		-	-	-	-	-	\$569,594	\$1,964,621	\$2,534,215
Elliot & Crismon Soccer Fields Development	Future Park Bond	-	-	-	-	-	\$7,292,996	\$22,874,755	\$30,167,751
Total for Elliot & Crismon Soccer Fields Development		-	-	-	-	-	\$7,292,996	\$22,874,755	\$30,167,751
Engineering Park Irrigation Projects	Capital - General Fund	\$114,871	\$161,716	\$1,563,495	\$2,137,620	\$2,189,140	\$836,603	\$2,995,218	\$9,998,663
Total for Engineering Park Irrigation Projects		\$114,871	\$161,716	\$1,563,495	\$2,137,620	\$2,189,140	\$836,603	\$2,282,700	\$10,369,631

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Parks & Recreation (Page 2 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Falcon Field Park Renovation	Future Park Bond	-	-	-	-	-	\$1,288,365	\$4,041,465	\$5,329,830
Total for Falcon Field Park Renovation		-	-	-	-	-	\$1,288,365	\$4,041,465	\$5,329,830
Greenfield Park Urban Fishing Lake	2012 Park Bond	-	\$3,168,081	-	-	-	-	-	\$3,168,081
Total for Greenfield Park Urban Fishing Lake		-	\$3,168,081	-	-	-	-	-	\$3,168,081
Hohokam Stadium Capital Improvements	Hohokam/Fitch Sports Complex	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Total for Hohokam Stadium Capital Improvements		-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Kleinman Park	2012 Park Bond	-	\$1,213,095	-	-	-	-	-	\$1,213,095
Total for Kleinman Park		-	\$1,213,095	-	-	-	-	-	\$1,213,095
Mesa City Center	Future Park Bond	-	-	-	-	-	\$18,511,512	\$60,595,629	\$79,107,141
Total for Mesa City Center		-	-	-	-	-	\$18,511,512	\$60,595,629	\$79,107,141

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Parks & Recreation (Page 3 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Minor Equipment	Capital - General Fund	\$541,833	\$183,641	\$82,084	\$84,169	\$86,198	\$87,843	\$164,694	\$1,230,462
Total for Minor Equipment		\$541,833	\$183,641	\$82,084	\$84,169	\$86,198	\$87,843	\$164,694	\$1,230,462
Monterey Park Expansion	Future Park Bond	-	-	-	-	-	\$585,622	\$5,392,879	\$5,978,501
Total for Monterey Park Expansion		-	-	-	-	-	\$585,622	\$5,392,879	\$5,978,501
Parks Irrigation Controllers	2012 Park Bond	\$1,103,386	\$250,000	-	-	-	-	-	\$1,353,386
	Capital - General Fund	\$894,791	-	\$271,006	\$277,891	-	-	-	\$1,443,688
Total for Parks Irrigation Controllers		\$1,998,177	\$250,000	\$271,006	\$277,891	-	-	-	\$2,797,074
Pioneer Park Renovations	2012 Park Bond	\$4,007,685	\$3,942,315	-	-	-	-	-	\$7,950,000
Total for Pioneer Park Renovations		\$4,007,685	\$3,942,315	-	-	-	-	-	\$7,950,000
Playground Improvements	Capital - General Fund	\$752,700	\$360,000	\$54,723	\$446,449	\$246,657	\$585,622	\$1,845,599	\$4,291,750
Total for Playground Improvements		\$752,700	\$360,000	\$54,723	\$446,449	\$246,657	\$585,622	\$1,845,599	\$4,291,750
Pool Improvements	Capital - General Fund	\$544,977	\$245,000	\$390,874	-	\$2,626,968	\$1,003,923	\$2,344,930	\$7,156,672
Total for Pool Improvements		\$544,977	\$245,000	\$390,874	-	\$2,626,968	\$1,003,923	\$2,344,930	\$7,651,296

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Parks & Recreation (Page 4 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Recreation Facility Improvements	Capital - General Fund	-	\$460,950	\$104,233	\$374,084	\$54,728	\$145,011	\$228,270	\$1,367,276
Total for Recreation Facility Improvements		-	\$460,950	\$104,233	\$374,084	\$54,728	\$145,011	\$228,270	\$1,429,104
Red Mountain Park Development	Future Park Bond	-	-	-	-	-	\$565,097	\$41,266,442	\$41,831,539
Total for Red Mountain Park Development		-	-	-	-	-	\$565,097	\$41,266,442	\$41,831,539
Signal Butte & Elliot Park Development	2012 Park Bond	\$259	\$147,000	\$1,252,996	-	-	-	-	\$1,400,255
Total for Signal Butte & Elliot Park Development		\$259	\$147,000	\$1,252,996	-	-	-	-	\$1,400,255
Signal Butte & Elliot Park Phase II	Future Park Bond	-	-	-	-	-	\$702,746	\$6,471,455	\$7,174,201
Total for Signal Butte & Elliot Park Phase II		-	-	-	-	-	\$702,746	\$6,471,455	\$7,174,201
Sloan Park Capital Improvements	Cubs Spring Training Facility	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Total for Sloan Park Capital Improvements		-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Total for Parks & Recreation		\$19,769,027	\$13,228,650	\$3,771,527	\$3,870,794	\$5,763,317	\$32,746,322	\$149,649,261	\$228,798,898

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Police (Page 1 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Central Basement Refurbishment	Future Public Safety Bonds	-	-	-	\$350,680	\$3,275,396	-	-	\$3,626,076
Total for Central Basement Refurbishment		-	-	-	\$350,680	\$3,275,396	-	-	\$3,626,076
Computer-Aided Dispatch Replacement	Future Public Safety Bonds	-	-	-	-	\$4,925,565	-	-	\$4,925,565
Total for Computer-Aided Dispatch Replacement		-	-	-	-	\$4,925,565	-	-	\$4,925,565
Metro Building Site Hardening	Future Public Safety Bonds	-	-	-	\$853,607	-	-	-	\$853,607
Total for Metro Building Site Hardening		-	-	-	\$853,607	-	-	-	\$853,607
Metro Facility Improvements Remodel	Future Public Safety Bonds	-	-	-	\$208,992	\$2,956,462	-	-	\$3,165,454
Total for Metro Facility Improvements Remodel		-	-	-	\$208,992	\$2,956,462	-	-	\$3,165,454
Police Headquarters Renovations	Future Public Safety Bonds	-	-	-	\$496,889	\$4,845,144	-	-	\$5,342,033
Total for Police Headquarters Renovations		-	-	-	\$496,889	\$4,845,144	-	-	\$5,342,033

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Police (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Police Aviation (Helicopter)	Future Public Safety Bonds	-	-	-	\$3,899,970	-	-	-	\$3,899,970
Total for Police Aviation (Helicopter)		-	-	-	\$3,899,970	-	-	-	\$3,899,970
Police Evidence Facility	Future Public Safety Bonds	-	-	-	\$640,217	\$1,206,764	\$9,669,508	-	\$11,516,489
Total for Police Evidence Facility		-	-	-	\$640,217	\$1,206,764	\$9,669,508	-	\$11,516,489
Police Records Management System Replacement	Future Public Safety Bonds	-	-	-	-	\$4,925,565	-	-	\$4,925,565
Total for Police Records Management System Replacement		-	-	-	-	\$4,925,565	-	-	\$4,925,565
Police Shooting Range Expansion	Future Public Safety Bonds	-	-	-	\$895,578	-	-	-	\$895,578
Total for Police Shooting Range Expansion		-	-	-	\$895,578	-	-	-	\$895,578
Public Safety Training Facility - Resurface Driving Track	Funding to Be Determined	-	-	-	\$2,856,836	-	-	-	\$2,856,836
Total for Public Safety Training Facility - Resurface Driving Track		-	-	-	\$2,856,836	-	-	-	\$2,856,836

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Police (Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Red Mountain Police Substation Expansion	Future Public Safety Bonds	-	-	-	\$1,633,457	\$10,727,257	\$4,818,590	-	\$17,179,304
Total for Red Mountain Police Substation Expansion		-	-	-	\$1,633,457	\$10,727,257	\$4,818,590	-	\$17,179,304
Superstition Investigations Area Renovation	Capital - General Fund	-	\$31,500	-	-	-	-	-	\$31,500
Total for Superstition Investigations Area Renovation		-	\$31,500	-	-	-	-	-	\$31,500
Total for Police		\$3,334,668	\$31,500	-	\$11,836,226	\$32,862,153	\$14,488,098	-	\$59,552,645

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Fire (Page 1 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Emergency Generator Replacement	Future Public Safety Bonds	-	-	-	\$547,765	\$560,967	-	-	\$1,108,732
Total for Emergency Generator Replacement		-	-	-	\$547,765	\$560,967	-	-	\$1,108,732
Fire Apparatus	2013 Public Safety Bond Capital - General Fund	\$8,017,716	\$1,043,247	-	-	-	-	-	\$9,060,963
	Future Public Safety Bonds	\$311,685	\$210,000	-	-	-	-	-	\$521,685
Total for Fire Apparatus		\$8,329,401	\$1,253,247	-	\$8,138,641	\$4,424,708	\$4,789,873	\$14,703,124	\$32,056,346
Fire Operations Center	Future Public Safety Bonds	-	-	-	-	\$3,666,262	\$13,233,295	-	\$16,899,557
Total for Fire Operations Center		-	-	-	-	\$3,666,262	\$13,233,295	-	\$16,899,557
Fire Station 205: Rebuild	Future Public Safety Bonds	-	-	-	\$2,635,605	\$5,602,830	-	-	\$8,238,435
Total for Fire Station 205: Rebuild		-	-	-	\$2,635,605	\$5,602,830	-	-	\$8,238,435
Fire Station 221: Eastmark	Future Public Safety Bonds	-	-	-	\$657,818	\$6,089,559	-	-	\$6,747,377
Total for Fire Station 221: Eastmark		-	-	-	\$657,818	\$6,089,559	-	-	\$6,747,377

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Fire (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Fire Station 222: Battalion Headquarters	Future Public Safety Bonds	-	-	-	-	-	\$2,575,166	\$7,698,034	\$10,273,200
Total for Fire Station 222: Battalion Headquarters		-	-	-	-	-	\$2,575,166	\$7,698,034	\$10,273,200
Fire Station 224: NE Mesa	Future Public Safety Bonds	-	-	-	-	-	\$686,536	\$6,349,815	\$7,036,351
Total for Fire Station 224: NE Mesa		-	-	-	-	-	\$686,536	\$6,349,815	\$7,036,351
Fire Stations 209, 210: Expansion	Future Public Safety Bonds	-	-	-	\$200,527	\$1,379,158	-	-	\$1,579,685
Total for Fire Stations 209, 210: Expansion		-	-	-	\$200,527	\$1,379,158	-	-	\$1,579,685
Fire Stations 213, 214: Expansion	Future Public Safety Bonds	-	-	-	\$573,190	\$4,740,856	-	-	\$5,314,046
Total for Fire Stations 213, 214: Expansion		-	-	-	\$573,190	\$4,740,856	-	-	\$5,314,046

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Fire (Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Fire Stations: Land Acquisition for New Stations	Future Public Safety Bonds	-	-	-	-	\$2,736,425	-	-	\$2,736,425
Total for Fire Stations: Land Acquisition for New Stations		-	-	-	-	\$2,736,425	-	-	\$2,736,425
Mesa Regional Dispatch and Emergency Operations Center	2008 Public Safety Bond	-	\$1,000,000	-	-	-	-	-	\$1,000,000
	2013 Public Safety Bond	\$1,300,926	\$7,296,374	-	-	-	-	-	\$8,597,300
Total for Mesa Regional Dispatch and Emergency Operations Center		\$1,300,926	\$8,296,374	-	-	-	-	-	\$9,597,300
Total for Fire		\$9,630,327	\$9,549,621	-	\$12,753,546	\$29,200,765	\$21,284,870	\$28,750,973	\$111,170,102

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Communications (Page 1 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Communications Building UPS Battery Replacement – Mesa Share	Funding to Be Determined	-	-	-	\$16,032	-	-	-	\$16,032
Total for Communications Building UPS Battery Replacement – Mesa Share		-	-	-	\$16,032	-	-	-	\$16,032
G-2 Fire Station Alerting System	Funding to Be Determined	-	-	-	\$748,167	-	-	-	\$748,167
Total for G-2 Fire Station Alerting System		-	-	-	\$748,167	-	-	-	\$748,167
Generator Replacement – Mesa Share	Funding to Be Determined	-	-	\$156,350	\$160,322	-	-	-	\$316,672
Total for Generator Replacement – Mesa Share		-	-	\$156,350	\$160,322	-	-	-	\$316,672
Public Safety Network Router Refresh – Mesa Share	Funding to Be Determined	-	-	\$684,029	\$701,407	-	-	-	\$1,385,436
Total for Mesa Share – Public Safety Network Router Refresh		-	-	\$684,029	\$701,407	-	-	-	\$1,385,436

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Communications (Page 2 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Public Safety Fiber – Phase II	Future Public Safety Bonds	-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436
Total for Public Safety Fiber - Phase II		-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436
Regional Communications Authority	Future Public Safety Bonds	-	-	-	\$801,608	-	-	-	\$801,608
Total for Regional Communications Authority		-	-	-	\$801,608	-	-	-	\$801,608
TOPAZ – Communications Building UPS Battery Replacement	TOPAZ Joint Venture Fund	-	-	-	\$32,064	-	-	-	\$32,064
Total for TOPAZ – Communications Building UPS Battery Replacement		-	-	-	\$32,064	-	-	-	\$32,064
TOPAZ – Public Safety Network Router Refresh	TOPAZ Joint Venture Fund	-	-	\$781,748	\$801,608	-	-	-	\$1,583,356
Total for TOPAZ – Public Safety Network Router Refresh		-	-	\$781,748	\$801,608	-	-	-	\$1,583,356
TOPAZ Radio Network Upgrade – Mesa Share	Capital - General Fund	-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487
Total for TOPAZ Radio Network Upgrade – Mesa Share		-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Communications (Page 3 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
TOPAZ – Radio Sites Generator Replacement	TOPAZ Joint Venture Fund	-	-	\$312,699	\$320,643	-	-	-	\$633,342
Total for TOPAZ – Radio Sites Generator Replacement		-	-	\$312,699	\$320,643	-	-	-	\$633,342
TOPAZ – Transmission Lines/Antennas	TOPAZ Joint Venture Fund	-	-	\$208,466	\$213,762	-	-	-	\$422,228
Total for TOPAZ – Transmission Lines/Antenna		-	-	\$208,466	\$213,762	-	-	-	\$422,228
TOPAZ – Voice Radio Network Upgrade/Replacement	TOPAZ Joint Venture Fund	\$3,633,828	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$5,458,383
Total for TOPAZ – Voice Radio Network Upgrade/Replacement		\$3,633,828	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$5,458,383
TOPAZ – Wireless Backhaul Microwaves	TOPAZ Joint Venture Fund	-	\$300,000	\$312,699	-	-	-	-	\$612,699
Total for TOPAZ – Wireless Backhaul Microwaves		-	\$300,000	\$312,699	-	-	-	-	\$612,699

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Communications (Page 4 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Transmission Lines/Antennas – Mesa Share	Funding to Be Determined	-	-	\$182,408	\$187,042	-	-	-	\$369,450
Total for Transmission Lines/Antennas – Mesa Share		-	-	\$182,408	\$187,042	-	-	-	\$369,450
VHF Radio System	TOPAZ Joint Venture Fund	\$900,000	\$900,000	\$312,699	-	-	-	-	\$2,112,699
Total for VHF Radio System		\$900,000	\$900,000	\$312,699	-	-	-	-	\$2,112,699
VHF Radio System – Mesa Share	Capital - General Fund	\$90,082	\$601,650	\$209,039	-	-	-	-	\$900,771
Total for VHF Radio System – Mesa Share		\$90,082	\$601,650	\$209,039	-	-	-	-	\$900,771
Wireless Backhaul Microwaves – Mesa Share	Capital - General Fund	-	\$262,500	\$273,612	-	-	-	-	\$536,112
Total for Wireless Backhaul Microwaves – Mesa Share		-	\$262,500	\$273,612	-	-	-	-	\$536,112
Total for Communications		\$6,659,388	\$2,877,578	\$4,281,609	\$5,119,258	\$5,268,634	\$6,413,953	-	\$30,620,420

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Environment and Sustainability

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Household Hazardous Waste Facility	1994 Solid Waste Bond Environmental Compliance Fee	-	-	\$2,814,291	-	-	-	-	\$2,814,291
Total for Household Hazardous Waste Facility		-	\$300,000	\$2,814,291	-	-	-	-	\$3,114,291
Total for Environment and Sustainability		-	\$300,000	\$2,814,291	-	-	-	-	\$3,114,291

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Falcon Field Airport (Page 1 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Acute Angle Taxiways	Falcon Field Airport	\$202,021	-	-	\$65,790	-	-	-	\$267,811
	Falcon Field Grants	\$1,140,342	-	-	\$628,936	-	-	-	\$1,769,278
Total for Acute Angle Taxiways		\$1,342,363	-	-	\$694,726	-	-	-	\$2,037,089
Airfield Lighting and Signage Upgrade	Falcon Field Airport	\$23,013	\$68,671	\$312,699	-	-	-	-	\$404,383
	Falcon Field Grants	\$151,987	\$389,133	\$1,771,961	-	-	-	-	\$2,313,081
Total for Airfield Lighting and Signage Upgrade		\$175,000	\$457,804	\$2,084,660	-	-	-	-	\$2,717,464
Airport Historic Zone Improvements	Falcon Field Airport	\$1,849,557	\$223,979	\$423,218	\$320,643	-	-	-	\$2,817,397
Total for Airport Historic Zone Improvements		\$1,849,557	\$223,979	\$423,218	\$320,643	-	-	-	\$2,817,397

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Program Summary – Capital Expenses

Falcon Field Airport (Page 2 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Airport's Runway Protection Zone	Falcon Field Airport	-	-	-	\$20,243	\$124,387	-	-	\$144,630
	Falcon Field Grants	-	-	-	\$193,519	\$1,189,097	-	-	\$1,382,616
Total for Airport's Runway Protection Zone		-	-	-	\$213,762	\$1,313,484	-	-	\$1,527,246
Apron Lighting	Falcon Field Airport	-	-	\$16,866	\$136,754	-	-	-	\$153,620
	Falcon Field Grants	-	-	\$95,570	\$774,941	-	-	-	\$870,511
Total for Apron Lighting		-	-	\$112,436	\$911,695	-	-	-	\$1,024,131
East Side Improvements	Falcon Field Airport	-	-	-	-	\$328,371	\$669,282	\$934,369	\$1,932,022
Total for East Side Improvements		-	-	-	-	\$328,371	\$669,282	\$934,369	\$1,932,022
Eastside Taxi Lane	Falcon Field Airport	-	-	-	-	-	\$31,690	\$305,834	\$337,524
	Falcon Field Grants	-	-	-	-	-	\$302,950	\$2,923,671	\$3,226,621
Total for Eastside Taxi Lane		-	-	-	-	-	\$334,640	\$3,229,505	\$3,564,145

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Falcon Field Airport (Page 3 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Falcon Field Master Plan	Falcon Field Grants	-	-	\$400,020	-	-	-	-	\$400,020
Total for Falcon Field Master Plan		-	-	\$400,020	-	-	-	-	\$400,020
Runway 22R Approach Easement	Falcon Field Airport	-	-	-	-	\$89,726	-	-	\$89,726
	Falcon Field Grants	-	-	-	-	\$508,443	-	-	\$508,443
Total for Runway 22R Approach Easement		-	-	-	-	\$598,169	-	-	\$598,169
Runway 4L/22R Strengthening	Falcon Field Airport	-	-	-	-	-	-	\$710,416	\$710,416
	Falcon Field Grants	-	-	-	-	-	-	\$4,025,693	\$4,025,693
Total for Runway 4L/22R Strengthening		-	-	-	-	-	-	\$4,736,109	\$4,736,109

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Falcon Field Airport (Page 4 of 4)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Safety Area Improvements	Falcon Field Airport	-	-	\$49,354	\$273,284	\$362,795	-	-	\$685,433
	Falcon Field Grants	-	-	\$471,811	\$2,612,503	\$3,468,200	-	-	\$6,552,514
Total for Safety Area Improvements		-	-	\$521,165	\$2,885,787	\$3,830,995	-	-	\$7,237,947
Taxiway A and C Reconfiguration	Falcon Field Airport	\$220,084	\$250,955	-	-	-	-	-	\$471,039
	Falcon Field Grants	\$2,006,917	\$2,399,045	-	-	-	-	-	\$4,405,962
Total for Taxiway A and C Reconfiguration		\$2,227,001	\$2,650,000	-	-	-	-	-	\$4,877,001
Taxiway C Run Up Area	Falcon Field Airport	-	-	-	-	-	\$67,584	\$315,027	\$382,611
	Falcon Field Grants	-	-	-	-	-	\$382,977	\$1,785,149	\$2,168,126
Total for Taxiway C Run Up Area		-	-	-	-	-	\$450,561	\$2,100,176	\$2,550,737
Update Storm Water Drainage Plan	Falcon Field Airport	-	-	-	-	\$49,256	-	-	\$49,256
	Falcon Field Grants	-	-	-	-	\$279,115	-	-	\$279,115
Total for Update Storm Water Drainage Plan		-	-	-	-	\$328,371	-	-	\$328,371
Total for Falcon Field Airport		\$5,614,052	\$3,331,783	\$3,541,499	\$5,026,613	\$6,399,390	\$1,454,483	\$11,000,159	\$40,301,864

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Intelligent Transportation System (Page 1 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Illuminated Street Name Signs	Future Street Bond	-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740
Total for Illuminated Street Name Signs		-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740
Upgrade Traffic Signal Cabinet & Controllers in east Mesa	Grants - Gen. Gov.	-	-	\$406,509	-	-	-	-	\$406,509
	Local Streets Sales Tax	-	\$49,515	\$281,211	-	-	-	-	\$330,726
Total for Upgrade Traffic Signal Cabinet & Controllers in east Mesa		-	\$49,515	\$687,720	-	-	-	-	\$737,235
MAG ITS Projects	Local Streets Sales Tax	\$406,625	\$317,820	\$434,495	\$445,534	\$456,272	-	-	\$2,060,746
Total for MAG ITS Projects		\$406,625	\$317,820	\$434,495	\$445,534	\$456,272	-	-	\$2,060,746
New Video Wall Processor	Local Streets Sales Tax	-	\$360,831	-	-	-	-	-	\$360,831
Total for New Video Wall Processor		-	\$360,831	-	-	-	-	-	\$360,831
Upgrade Traffic Signal Cabinet & Controllers in west Mesa	Grants - Gen. Gov.	-	-	\$406,509	-	-	-	-	\$406,509
	Local Streets Sales Tax	-	\$49,515	\$281,211	-	-	-	-	\$330,726
Total for Upgrade Traffic Signal Cabinet & Controllers in west Mesa		-	\$49,515	\$687,720	-	-	-	-	\$737,235

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Intelligent Transportation System (Page 2 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Replace/Upgrade Central Traffic Signal System	Local Streets Sales Tax	-	-	-	-	-	\$725,056	-	\$725,056
Total for Replace/Upgrade Central Traffic Signal System		-	-	-	-	-	\$725,056	-	\$725,056
Superstition Springs Adaptive System Upgrade	Local Streets Sales Tax	-	\$168,042	-	-	-	-	-	\$168,042
Total for Superstition Springs Adaptive System Upgrade		-	\$168,042	-	-	-	-	-	\$168,042
Traffic Signals – New and Upgrade	Local Streets Sales Tax	-	\$1,700,614	\$1,668,368	\$1,710,752	\$1,751,985	\$1,785,436	\$5,628,417	\$14,245,572
Total for Traffic Signals – New and Upgrade		-	\$1,700,614	\$1,668,368	\$1,710,752	\$1,751,985	\$1,785,436	\$5,628,417	\$14,245,572
Traffic Signals – Public Safety Opticom	Local Streets Sales Tax	-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029
Total for Traffic Signals – Public Safety Opticom		-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029
Total for Intelligent Transportation System		\$406,625	\$2,966,337	\$3,811,849	\$2,919,218	\$2,989,577	\$3,306,730	\$7,203,150	\$23,603,486

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Regional Transportation Plan (Page 1 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Baseline Road, 24th Street to the Consolidated Canal	2013 Street Bond	-	\$4,195,542	-	-	-	-	-	\$4,195,542
Total for Baseline Road, 24th Street to the Consolidated Canal		-	\$4,195,542	-	-	-	-	-	\$4,195,542
Broadway Road: Dobson Road to Country Club Drive	Future Electric Bond	-	-	-	-	-	\$72,082	\$675,527	\$747,609
	Future Gas Bond	-	-	-	-	-	\$292,345	\$3,442,295	\$3,734,640
	Future Street Bond	-	-	-	-	\$884,864	\$6,825,310	\$21,337,646	\$29,047,820
	Future Water Bond	-	-	-	-	-	\$1,146,879	\$11,298,901	\$12,445,780
Total for Broadway Road: Dobson Road to Country Club Drive		-	-	-	-	\$884,864	\$8,336,616	\$36,754,369	\$45,975,849
Country Club and University Intersection Improvements	Future Gas Bond	-	-	-	-	-	\$35,895	\$367,294	\$403,189
	Future Street Bond	-	-	-	-	\$147,325	\$2,476,565	\$24,155,166	\$26,779,056
	Future Water Bond	-	-	-	-	-	\$100,479	\$1,038,397	\$1,138,876
Total for Country Club and University Intersection Improvements		-	-	-	-	\$147,325	\$2,612,939	\$25,560,857	\$28,321,121

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Regional Transportation Plan (Page 2 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Elliot Road Tech Corridor	2013 Street Bond	-	\$346,475	\$2,850,471	-	-	-	-	\$3,196,946
	Grants – Gen. Gov. Transportation Fund	-	\$325,130	\$2,674,870	-	-	-	-	\$3,000,000
Total for Elliot Road Tech Corridor		-	\$1,863,750	\$15,333,196	-	-	-	-	\$17,196,946
Greenfield Road; Southern Avenue to University Drive	Future Street Bond	-	-	-	-	-	\$497,285	\$8,652,457	\$9,149,742
	Future Water Bond	-	-	-	-	-	\$1,215,813	\$1,038,398	\$2,254,211
Total for Greenfield Road; Southern Avenue to University Drive		-	-	-	-	-	\$1,713,098	\$9,690,855	\$11,403,953
Lindsay Road and Brown Road Intersection	Future Street Bond	-	-	-	-	-	\$671,587	\$7,250,458	\$7,922,045
	Future Water Bond	-	-	-	-	-	\$83,734	\$865,331	\$949,065
Total for Lindsay Road and Brown Road Intersection		-	-	-	-	-	\$755,321	\$8,115,789	\$8,871,110

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Regional Transportation Plan (Page 3 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Mesa Drive Phase II	2010 Gas Bond	\$55,992	-	\$481,036	-	-	-	-	\$537,028
	2010 Water Bond	\$88,891	-	\$1,795,413	-	-	-	-	\$1,884,304
	2013 Street Bond	\$3,111,673	-	\$10,888,327	-	-	-	-	\$14,000,000
Total for Mesa Drive Phase II		\$3,256,557	-	\$13,164,776	-	-	-	-	\$16,421,333
Pecos Road: Ellsworth Road to Meridian Road	Future Gas Bond	-	-	-	-	-	\$260,938	\$3,013,396	\$3,274,334
	Future Street Bond	-	-	-	-	-	\$1,195,618	\$26,208,786	\$27,404,404
Total for Pecos Road: Ellsworth Road to Meridian Road		-	-	-	-	-	\$1,456,556	\$29,222,182	\$30,678,738

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Program Summary – Capital Expenses

Regional Transportation Plan (Page 4 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Power Road: East Maricopa Floodway (EMF) to Loop 202 San Tan	Future Street Bond	-	-	-	-	-	\$964,742	\$12,943,911	\$13,908,653
Total for Power Road: East Maricopa Floodway(EMF) to Loop 202 San Tan		-	-	-	-	-	\$964,742	\$12,943,911	\$13,908,653
Southern Avenue and Country Club Drive Intersection	Future Electric Bond	-	-	-	-	-	\$28,832	\$365,118	\$393,950
	Future Gas Bond	-	-	-	-	-	\$82,453	\$2,014,772	\$2,097,225
	Future Street Bond	-	-	-	-	-	\$2,025,070	\$10,290,686	\$12,315,756
	Future Wastewater Bond	-	-	-	-	-	\$61,351	\$673,084	\$734,435
	Future Water Bond	-	-	-	-	-	-	\$2,758,737	\$2,758,737
	Grants - Gen. Gov.	-	-	-	-	-	-	\$2,424,940	\$2,424,940
Total for Southern Avenue and Country Club Drive Intersection		-	-	-	-	-	\$2,197,706	\$18,527,337	\$20,725,043

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Regional Transportation Plan (Page 5 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Southern Avenue and Stapley Drive Intersection	Future Gas Bond	-	-	-	-	-	\$2,353,692	-	\$2,353,692
	Future Street Bond	-	-	-	-	\$1,149,299	\$4,821	\$20,282,872	\$21,436,992
	Future Wastewater Bond	-	-	-	-	-	-	\$62,014	\$62,014
	Future Water Bond	-	-	-	-	-	-	\$252,854	\$252,854
	Grants - Gen. Gov.	-	-	-	-	-	-	\$7,398,448	\$7,398,448
Total for Southern Avenue and Stapley Drive Intersection		-	-	-	-	\$1,149,299	\$2,358,513	\$27,996,188	\$31,504,000
Southern Avenue, Gilbert Road to Consolidated Canal	2013 Street Bond	-	\$1,047,457	\$5,930,299	-	-	-	-	\$6,977,756
	2014 Wastewater Bond	-	\$23,846	\$241,599	-	-	-	-	\$265,445
	2014 Water Bond	-	\$148,400	\$1,562,286	-	-	-	-	\$1,710,686
Total for Southern Avenue, Gilbert Road to Consolidated Canal		-	\$1,219,703	\$7,734,184	-	-	-	-	\$8,953,887
Southern Avenue, Greenfield to Higley	2013 Street Bond	-	\$5,545,085	-	-	-	-	-	\$5,545,085
Total for Southern Avenue, Greenfield to Higley		-	\$5,545,085	-	-	-	-	-	\$5,545,085

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Regional Transportation Plan (Page 6 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Stapley Drive and University Drive Intersection	Future Gas Bond	-	-	-	-	-	\$20,376	\$504,045	\$524,421
	Future Street Bond	-	-	-	-	\$2,263,770	\$14,113,497	\$8,622,131	\$24,999,398
	Future Water Bond	-	-	-	-	\$93,903	\$1,009,995	-	\$1,103,898
Total for Stapley Drive and University Drive Intersection		-	-	-	-	\$2,357,673	\$15,143,868	\$9,126,176	\$26,627,717
Val Vista Drive: Baseline Road to US 60	2013 Street Bond	-	\$866,803	-	-	-	-	-	\$866,803
Total for Val Vista Drive: Baseline Road to US 60		-	\$866,803	-	-	-	-	-	\$866,803
Val Vista Drive, Pueblo to US 60	Future Gas Bond	-	-	-	\$125,853	\$2,151,126	-	-	\$2,276,979
	Future Water Bond	-	-	-	\$184,532	\$1,908,687	-	-	\$2,093,219
	Transportation	-	-	-	\$1,945,834	\$6,161,994	-	-	\$8,107,828
Total for Val Vista Drive, Pueblo to US 60		-	-	-	\$2,256,219	\$10,221,807	-	-	\$12,478,026
Total for Regional Transportation Plan		\$27,311,605	\$9,748,127	\$14,736,419	\$1,989,016	\$11,393,037	\$22,458,761	\$177,937,664	\$235,375,967

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Shared Use Paths (Page 1 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Bike and Pedestrian Pilot projects	Local Streets Sales Tax	\$5,175	\$372,600	\$388,371	\$398,238	-	-	-	\$1,164,384
Total for Bike and Pedestrian Pilot projects		\$5,175	\$372,600	\$388,371	\$398,238	-	-	-	\$1,164,384
Bike Share Phase 2	Local Streets Sales Tax	-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895
Total for Bike Share Phase 2		-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895
Dobson Complete Streets - Main Street to Loop 202 Red Mountain	Funding to Be Determined	-	-	-	\$191,905	\$196,531	\$1,174,757	\$1,202,013	\$2,765,206
Total for Dobson Complete Streets - Main Street to Loop 202 Red Mountain		-	-	-	\$191,905	\$196,531	\$1,174,757	\$1,202,013	\$2,765,206
East Canal Shared-Use Path; McDowell to Baseline	Future Street Bond	-	-	-	\$1,521,560	\$3,016,908	\$7,190,329	\$4,211,307	\$15,940,104
Total for East Canal Shared-Use Path; McDowell to Baseline		-	-	-	\$1,521,560	\$3,016,908	\$7,190,329	\$4,211,307	\$15,940,104
Loop 202 Red Mountain Shared-Use Path; Val Vista Drive to Power Road	Future Street Bond	-	-	-	-	-	\$233,077	\$6,391,347	\$6,624,424
Total for Loop 202 Red Mountain Shared-Use Path; Val Vista Drive to Power Road		-	-	-	-	-	\$233,077	\$6,391,347	\$6,624,424

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Shared Use Paths (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Lehi Crossing Trail	Future Street Bond	-	-	-	\$2,003,676	\$1,183,939	\$14,238,212	-	\$17,425,827
Total for Lehi Crossing Trail		-	-	-	\$2,003,676	\$1,183,939	\$14,238,212	-	\$17,425,827
Lighting on Consolidated Canal, Adobe to Lindsay	Local Streets Sales Tax	\$60,548	\$582,705	-	-	-	-	-	\$643,253
Total for Lighting on Consolidated Canal, Adobe to Lindsay		\$60,548	\$582,705	-	-	-	-	-	\$643,253
Main Street Complete Streets - Gilbert to Sossaman	Funding to Be Determined	-	-	-	-	\$303,990	\$1,596,053	\$3,654,851	\$5,554,894
Total for Main Street Complete Streets - Gilbert to Sossaman		-	-	-	-	\$303,990	\$1,596,053	\$3,654,851	\$5,554,894
Southeast Mesa Bike and Pedestrian Path (Segments 2-5)	Future Street Bond	-	-	-	\$187,417	\$489,996	\$1,846,144	\$4,286,571	\$6,810,128
	Grants - Gen. Gov.	-	-	-	-	\$1,773,203	\$460,270	-	\$2,233,473
Total for Southeast Mesa Bike and Pedestrian Path (Segments 2-5)		-	-	-	\$187,417	\$2,263,199	\$2,306,414	\$4,286,571	\$9,043,601

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Shared Use Paths (Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Shared Use Path - US 60 Right-of-way	Funding to Be Determined	-	-	-	-	-	-	-	-
Total for Shared Use Path - US 60 Right-of-way		-	-	-	-	-	-	-	\$12,622,087
South Canal Shared-Use Path: Consolidated Canal to McDowell	Grants - Gen. Gov.	-	-	\$2,087,801	-	-	-	-	\$2,087,801
	Local Streets Sales Tax	-	\$209,285	\$312,178	-	-	-	-	\$521,463
Total for South Canal Shared-Use Path: Consolidated Canal to McDowell		-	\$209,285	\$2,399,979	-	-	-	-	\$2,609,264
West Mesa Connector Shared-Use Path	2012 Park Bond	\$3,075,982	\$341,881	-	-	-	-	-	\$3,417,863
Total for West Mesa Connector Shared-Use Path		\$3,075,982	\$341,881	-	-	-	-	-	\$3,417,863
Total for Shared Use Paths		\$3,141,705	\$1,763,924	\$3,062,827	\$4,307,868	\$6,969,855	\$26,761,447	\$19,746,089	\$78,375,802

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Program Summary – Capital Expenses

Storm Sewer (Page 1 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
2 nd Avenue and Extension Drainage	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Local Streets	-		-	-	-	-	-	
	Sales Tax	-	\$506,761	-	-	-	-	-	\$506,761
Total for 2nd Avenue and Extension Drainage		-	\$756,761	-	-	-	-	-	\$756,761
63rd and Broadway Drainage	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Local Streets	-		-	-	-	-	-	
	Sales Tax	-	\$344,581	-	-	-	-	-	\$344,581
Total for 63rd and Broadway Drainage		-	\$594,581	-	-	-	-	-	\$594,581
Lehi Area Drainage Master Plan	Environmental Compliance Fee	\$141	\$262,500	\$2,347,588	\$1,130,387	-	-	-	\$3,740,616
Total for Lehi Area Drainage Master Plan		\$141	\$262,500	\$2,347,588	\$1,130,387	-	-	-	\$3,740,616
Sloan Park Drainage Structure	Environmental Compliance Fee	-	\$204,750	-	-	-	-	-	\$204,750
Total for Sloan Park Drainage Structure		-	\$204,750	-	-	-	-	-	\$204,750

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Storm Sewer (Page 2 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Solomon and Southern Drainage	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Local Streets	-	\$347,988	-	-	-	-	-	\$347,988
	Sales Tax	-	\$347,988	-	-	-	-	-	\$347,988
Total for Solomon and Southern Drainage		-	\$597,988	-	-	-	-	-	\$597,988
Storm Drain Pump Stations	Environmental Compliance Fee	\$2,053,600	\$1,842,750	-	-	-	-	-	\$3,896,350
Total for Storm Drain Pump Stations		\$2,053,600	\$1,842,750	-	-	-	-	-	\$3,896,350
Summer and Bates Drainage	Grants - Gen. Gov.	-	-	\$260,583	-	-	-	-	\$260,583
	Local Streets	-	-	\$858,197	-	-	-	-	\$858,197
	Sales Tax	-	-	\$858,197	-	-	-	-	\$858,197
Total for Summer and Bates Drainage		-	-	\$1,118,780	-	-	-	-	\$1,118,780
Total for Storm Sewer		\$2,053,741	\$4,259,330	\$3,466,368	\$1,130,387	-	-	-	\$10,909,826

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Program Summary – Capital Expenses

Streets (Page 1 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
1st Avenue Improvements	2010 Electric Bond	-	\$1,800,000	-	-	-	-	-	\$1,800,000
	2014 Electric Bond	\$106,831	\$2,735,661	-	-	-	-	-	\$2,842,492
	2014 Gas Bond 2014	\$2	\$1,517,974	-	-	-	-	-	\$1,517,976
	Wastewater Bond	-	\$195,080	-	-	-	-	-	\$195,080
	2014 Water Bond	-	\$2,665,565	-	-	-	-	-	\$2,665,565
	Local Streets Sales Tax	-	\$1,000,000	-	-	-	-	-	\$1,000,000
	Total for 1st Avenue Improvements		\$106,833	\$9,914,280	-	-	-	-	-
2013 Streets City Share	2013 Street Bond	\$545,487	\$1,535,625	\$1,600,628	-	-	-	-	\$3,681,740
	Future Street Bond	-	-	-	\$547,097	\$1,150,448	\$1,172,414	\$2,430,900	\$5,300,859
Total for 2013 Streets City Share		\$545,487	\$1,535,625	\$1,600,628	\$547,097	\$1,150,448	\$1,172,414	\$2,430,900	\$8,982,599
Arterial Reconstruction	2013 Street Bond	\$13,371,864	\$7,701,875	-	-	-	-	-	\$21,073,739
	Future Street Bond	-	-	-	\$4,376,777	\$8,430,285	\$11,426,767	\$23,692,407	\$47,926,236
	Future Water Bond	-	-	-	-	-	\$970,024	-	\$970,024
Total for Arterial Reconstruction		\$13,371,864	\$7,701,875	-	\$4,376,777	\$8,430,285	\$12,396,791	\$23,692,407	\$69,969,999

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Program Summary – Capital Expenses

Streets (Page 2 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Broadway Rd: Tempe City Limits to Gilbert Rd	2013 Street Bond	-	\$383,250	-	-	-	-	-	\$383,250
	Local Streets Sales Tax	-	\$400,000	\$938,097	-	-	-	-	\$1,338,097
Total for Broadway Rd: Tempe City Limits to Gilbert Rd		-	\$783,250	\$938,097	-	-	-	-	\$1,721,347
Building Stronger Neighborhoods	Local Streets Sales Tax	\$20,350	\$517,650	\$452,007	\$463,489	-	-	-	\$1,453,496
Total for Building Stronger Neighborhoods		\$20,350	\$517,650	\$452,007	\$463,489	-	-	-	\$1,453,496
Dobson Road, US 60 to Broadway	Funding to Be Determined	-	-	\$16,181	\$478,991	\$2,869,586	\$2,924,377	\$2,484,033	\$8,773,168
Total for Dobson Road, US 60 to Broadway		-	-	\$16,181	\$478,991	\$2,869,586	\$2,924,377	\$2,484,033	\$8,773,168
East Mesa Service Center Wash Rack	Environmental Compliance Fee	\$301,050	\$519,750	-	-	-	-	-	\$820,800
Total for East Mesa Service Center Wash Rack		\$301,050	\$519,750	-	-	-	-	-	\$820,800
Eastside Improvements at Phoenix-Mesa Gateway Airport	2013 Street Bond	\$144	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,144
Total for Eastside Improvements at Phoenix-Mesa Gateway Airport		\$144	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,144

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Streets (Page 3 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Intersection Road Safety Assessment	Local Streets Sales Tax	-	\$168,000	-	-	-	-	-	\$168,000
Total for Intersection Road Safety Assessment		-	\$168,000	-	-	-	-	-	\$168,000
Main Street Tree Revitalization Project	Local Streets Sales Tax	-	\$89,250	\$164,167	\$168,338	\$143,662	-	-	\$565,417
Total for Main Street Tree Revitalization Project		-	\$89,250	\$164,167	\$168,338	\$143,662	-	-	\$565,417
Mesa Drive: Main Street to Brown	Future Street Bond	-	-	-	-	-	\$341,109	\$17,785,561	\$18,126,670
Total for Mesa Drive: Main Street to Brown		-	-	-	-	-	\$341,109	\$17,785,561	\$18,126,670
Multi-Use Path Right-of-way Improvements	Local Streets Sales Tax	-	\$455,595	\$539,562	\$320,963	-	-	-	\$1,316,120
Total for Multi-Use Path Right-of-way Improvements		-	\$455,595	\$539,562	\$320,963	-	-	-	\$1,316,120
Pedestrian Connection west of Dobson Road	Future Street Bond	-	-	-	\$235,138	-	-	-	\$235,138
Total for Pedestrian Connection west of Dobson Road		-	-	-	\$235,138	-	-	-	\$235,138

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Streets (Page 4 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Railroad Quiet Zone	Local Streets								
	Sales Tax	\$403,168	\$310,943	-	-	-	-	-	\$714,111
Total for Railroad Quiet Zone		\$403,168	\$310,943	-	-	-	-	-	\$714,111
Rail Road Right-of-way Improvements	Local Streets								
	Sales Tax	-	\$113,925	\$65,667	-	-	-	-	\$179,592
Total for Rail Road Right-of-way Improvements		-	\$113,925	\$65,667	-	-	-	-	\$179,592
Right-of-way Landscaping Improvements	Future Street Bond	-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409
Total for Right-of-way Landscaping Improvements		-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409
Roosevelt Road Improvements from Broadway to 8 th Avenue	Local Streets								
	Sales Tax	\$128,340	\$857,115	-	-	-	-	-	\$985,455
Total for Roosevelt Road Improvements from Broadway to 8th Avenue		\$128,340	\$857,115	-	-	-	-	-	\$985,455
Rusted Streetlight Pole Replacement	2013 Street Bond	\$1,378,336	\$700,000	\$133,418	-	-	-	-	\$2,211,754
	Future Street Bond	-	-	-	\$2,137,620	\$2,189,140	\$2,230,940	\$7,032,820	\$13,590,520
Total for Rusted Streetlight Pole Replacement		\$1,378,336	\$700,000	\$133,418	\$2,137,620	\$2,189,140	\$2,230,940	\$7,032,820	\$18,275,394

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Streets (Page 5 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Stapley and Broadway Intersection Improvements	Future Street Bond	-	-	-	-	-	\$449,108	\$7,024,677	\$7,473,785
Total for Stapley and Broadway Intersection Improvements		-	-	-	-	-	\$449,108	\$7,024,677	\$7,473,785
Street Light Management System	Future Street Bond	-	-	-	-	-	\$221,131	\$7,266,471	\$7,487,602
Total for Street Light Management System		-	-	-	-	-	\$221,131	\$7,266,471	\$7,487,602
Streetlight Spot Improvement	2013 Street Bond	\$832,968	\$700,000	\$260,583	-	-	-	-	\$1,793,551
	Future Street Bond	-	-	-	\$748,167	\$766,199	\$780,829	\$2,461,487	\$4,756,682
Total for Streetlight Spot Improvement		\$832,968	\$700,000	\$260,583	\$748,167	\$766,199	\$780,829	\$2,461,487	\$6,550,233

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Streets (Page 6 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Streets – Economic Development	2013 Street Bond	\$2,000,000	\$3,000,000	-	-	-	-	-	\$5,000,000
	2014 Wastewater Bond	\$385,200	\$388,800	\$405,258	\$415,554	-	-	-	\$1,594,812
	2014 Water Bond	\$707,001	\$713,733	\$743,945	\$762,847	-	-	-	\$2,927,526
	Future Street Bond	-	-	-	\$2,137,620	\$3,283,710	\$2,230,940	\$9,377,750	\$17,030,020
Total for Streets – Economic Development		\$3,092,201	\$4,102,533	\$1,149,203	\$3,316,021	\$3,283,710	\$2,230,940	\$9,377,750	\$26,552,358
Total for Streets		\$22,336,615	\$28,469,791	\$5,319,513	\$16,433,887	\$21,161,401	\$23,193,827	\$80,962,670	\$250,880,125

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Program Summary – Capital Expenses

Transit

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Gilbert Light Rail Extension Concurrent Improvements	2014 Electric Bond	\$40,500	\$1,154,951	-	-	-	-	-	\$1,195,451
Total for Gilbert Light Rail Extension Concurrent Improvements		\$40,500	\$1,154,951	-	-	-	-	-	\$1,195,451
Gilbert Road Light Rail Extension	Transit Fund	\$1,474,045	\$11,969,822	\$12,136,983	-	-	-	-	\$25,580,850
Total for Gilbert Road LRT Extension		\$1,474,045	\$11,969,822	\$12,136,983	-	-	-	-	\$25,580,850
Total for Transit		\$1,514,545	\$13,124,773	\$12,136,983	-	-	-	-	\$26,776,301

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Electric (Page 1 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Electric Distribution – Overhead	2014 Electric Bond	\$781,471	\$803,589	\$752,310	-	-	-	-	\$2,337,370
	Future Electric Bond	-	-	-	\$771,422	\$610,872	\$622,536	\$1,962,484	\$3,967,314
Total for Electric Distribution – Overhead		\$781,471	\$803,589	\$752,310	\$771,422	\$610,872	\$622,536	\$1,962,484	\$6,304,684
Electric Distribution - Underground	2014 Electric Bond	\$2,235,653	\$2,271,649	\$2,367,808	-	-	-	-	\$6,875,110
	Future Electric Bond	-	-	-	\$2,457,114	\$2,516,335	\$2,564,383	\$8,019,183	\$15,557,015
Total for Electric Distribution – Underground		\$2,235,653	\$2,271,649	\$2,367,808	\$2,457,114	\$2,516,335	\$2,564,383	\$8,019,183	\$22,432,125
Electric Generation	2014 Electric Bond	\$265,265	\$272,773	\$284,320	-	-	-	-	\$822,358
	Future Electric Bond	-	-	-	\$291,543	\$298,570	\$304,271	\$959,182	\$1,853,566
Total for Electric Generation		\$265,265	\$272,773	\$284,320	\$291,543	\$298,570	\$304,271	\$959,182	\$2,675,566
Electric Master Plan	Electric	-	\$338,238	-	-	-	-	-	\$338,238
Total for Electric Master Plan		-	\$338,238	-	-	-	-	-	\$338,238

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Electric (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Electric Metering	Utility Replacement Extension and Renewal	\$568,013	\$419,605	\$436,125	\$454,404	\$464,389	\$499,117	\$1,510,199	\$4,351,852
Total for Electric Metering		\$568,013	\$419,605	\$436,125	\$454,404	\$464,389	\$499,117	\$1,510,199	\$4,351,852
Electric New Services	2014 Electric Bond	\$1,061,060	\$1,091,090	\$1,137,276	-	-	-	-	\$3,289,426
	Future Electric Bond	-	-	-	\$1,166,168	\$1,194,275	\$1,217,078	\$3,836,720	\$7,414,241
Total for Electric New Services		\$1,061,060	\$1,091,090	\$1,137,276	\$1,166,168	\$1,194,275	\$1,217,078	\$3,836,720	\$10,703,667
Electric Smart Grid	2014 Electric Bond	\$169,770	\$174,574	\$181,964	-	-	-	-	\$526,308
	Future Electric Bond	-	-	-	\$186,587	\$29,856	\$30,427	-	\$246,870
Total for Electric Smart Grid		\$169,770	\$174,574	\$181,964	\$186,587	\$29,856	\$30,427	-	\$773,178
Electric Substation Improvements	2014 Electric Bond	\$1,442,419	\$1,276,565	\$1,165,707	-	-	-	-	\$3,884,691
	Future Electric Bond	-	-	-	\$29,154	-	-	-	\$29,154
Total for Electric Substation Improvements		\$1,442,419	\$1,276,565	\$1,165,707	\$29,154	-	-	-	\$3,913,845

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Program Summary – Capital Expenses

Electric (Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Electric Systems Retirements	Electric	\$17,153	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$397,750	\$1,016,798
Total for Electric Systems Retirements		\$17,153	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$397,750	\$1,016,798
Electric Transmission	2014 Electric Bond	\$206,676	\$109,109	\$113,727	-	-	-	-	\$429,512
Total for Electric Transmission		\$206,676	\$109,109	\$113,727	-	-	-	-	\$429,512
Total for Electric		\$16,977,318	\$6,870,305	\$6,557,138	\$5,477,288	\$5,238,107	\$5,363,987	\$16,685,518	\$63,169,661

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 1 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Center Street Gas Line Replacement from University to Brown									
	2014 Gas Bond	\$21,531	\$571,385	-	-	-	-	-	\$592,916
Total for Center Street Gas Line Replacement from University to Brown		\$21,531	\$571,385	-	-	-	-	-	\$592,916
Country Club Drive and Brown Road Intersection Improvements									
	Future Gas Bond	-	-	-	-	-	\$13,853	\$144,181	\$158,034
Total for Country Club Drive and Brown Road Intersection Improvements		-	-	-	-	-	\$13,853	\$144,181	\$158,034
Gas Line Retirements									
	Natural Gas	\$91,263	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$397,750	\$1,090,908
Total for Gas Line Retirements		\$91,263	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$397,750	\$1,090,908
Gas Main Replacements – Magma Service Area									
	2014 Gas Bond	\$439,891	\$490,403	\$545,951	-	-	-	-	\$1,476,245
	Future Gas Bond	-	-	-	\$596,624	\$650,724	\$707,510	\$2,550,056	\$4,504,914
Total for Gas Main Replacements – Magma Service Area		\$439,891	\$490,403	\$545,951	\$596,624	\$650,724	\$707,510	\$2,550,056	\$5,981,159

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 2 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Gas System: Aging Infrastructure Replacement									
	2014 Gas Bond	\$2,393,929	\$2,674,971	\$2,977,967	-	-	-	-	\$8,046,867
	Future Gas Bond	-	-	-	\$3,256,127	\$3,551,395	\$3,746,694	\$11,974,516	\$22,528,732
Total for Gas System: Aging Infrastructure Replacement		\$2,393,929	\$2,674,971	\$2,977,967	\$3,256,127	\$3,551,395	\$3,746,694	\$11,974,516	\$30,575,599
McKellips Road Natural Gas Line; Country Club to Loop 202									
	Future Gas Bond	-	-	-	-	-	\$29,493	\$356,094	\$385,587
Total for McKellips Road Natural Gas Line; Country Club to Loop 202		-	-	-	-	-	\$29,493	\$356,094	\$385,587
Mesa Drive: Main to University Drive									
	2014 Gas Bond	\$402,962	\$33,121	\$439,465	-	-	-	-	\$875,548
	2014 Wastewater Bond	-	\$23,798	\$271,889	-	-	-	-	\$295,687
Total for Mesa Drive: Main to University Drive		\$402,962	\$56,919	\$711,354	-	-	-	-	\$1,171,235

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 3 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Replace Aging Utility Infrastructure	2014 Gas Bond	-	-	\$153,131	\$1,768,390	-	-	-	\$1,921,521
Total for Replace Aging Utility Infrastructure		-	-	\$153,131	\$1,768,390	-	-	-	\$1,921,521
Supervisory Control and Data Acquisition (SCADA) System for the Natural Gas Distribution System	2014 Gas Bond	\$296,258	\$69,225	\$97,623	\$10,111	-	-	-	\$473,217
	Future Gas Bond	-	-	-	\$77,780	-	-	-	\$77,780
Total for Supervisory Control and Data Acquisition (SCADA) System for the Natural Gas Distribution System		\$296,258	\$69,225	\$97,623	\$87,891	-	-	-	\$550,997
Stapley; University to McKellips - Gas	Future Gas Bond	-	-	-	-	-	\$98,552	\$2,333,635	\$2,432,187
Total for Stapley; University to McKellips - Gas		-	-	-	-	-	\$98,552	\$2,333,635	\$2,432,187
University Gas Line Replacement; Alma School to Country Club	2014 Gas Bond	-	-	-	-	\$36,279	-	-	\$36,279
	Future Gas Bond	-	-	-	-	-	\$908,905	-	\$908,905
Total for University Gas Line Replacement; Alma School to Country Club		-	-	-	-	\$36,279	\$908,905	-	\$945,184

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 4 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
8 th Street Utility Line Replacement	Future Gas Bond	-	-	-	-	\$5,787	\$76,191	-	\$81,978
Total for 8th Street Utility Line Replacement		-	-	-	-	\$5,787	\$76,191	-	\$81,978
Utility line Replacement QS12B & D	Future Gas Bond	-	-	-	-	\$294,638	\$5,283,775	-	\$5,578,413
Total for Utility Line Replacement QS12B & D		-	-	-	-	\$294,638	\$5,283,775	-	\$5,578,413
Utility line Replacement QS13A & C	2014 Gas Bond	-	\$3,675,542	-	-	-	-	-	\$3,675,542
Total for Utility Line Replacement QS13A & C		-	\$3,675,542	-	-	-	-	-	\$3,675,542
Utility Line Replacement QS13C, QS21A, & QS20D	2014 Gas Bond	\$65,533	\$106,559	\$1,273,355	-	-	-	-	\$1,445,447
Total for Utility Line Replacement QS13C, QS21A, & QS20D		\$65,533	\$106,559	\$1,273,355	-	-	-	-	\$1,445,447
Utility line Replacement QS14A & C	Future Gas Bond	-	-	-	\$340,363	\$5,269,545	-	-	\$5,609,908
Total for Utility Line Replacement QS14A & C		-	-	-	\$340,363	\$5,269,545	-	-	\$5,609,908

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 5 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Utility line Replacement QS20A & QS20B	Future Gas Bond	-	-	-	\$77,079	\$1,293,889	-	-	\$1,370,968
Total for Utility Line Replacement QS20A & QS20B		-	-	-	\$77,079	\$1,293,889	-	-	\$1,370,968
Utility line Replacement QS21D, Clark, and Pepper	2014 Gas Bond	\$811,219	\$50,891	\$884,705	-	-	-	-	\$1,746,815
Total for Utility Line Replacement QS21D, Clark, and Pepper		\$811,219	\$50,891	\$884,705	-	-	-	-	\$1,746,815
Utility line Replacement QS29A, QS29B, & QS29D	2014 Gas Bond	-	\$25,936	\$461,940	-	-	-	-	\$487,876
Total for Utility Line Replacement QS29A, QS29B, & QS29D		-	\$25,936	\$461,940	-	-	-	-	\$487,876
Utility line Replacement QS36B	Future Gas Bond	-	-	-	-	-	\$38,972	\$670,889	\$709,861
Total for Utility Line Replacement QS36B		-	-	-	-	-	\$38,972	\$670,889	\$709,861

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Aging Infrastructure (Page 6 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Utility Main Replacements	2014 Gas Bond	-	\$335,607	-	-	-	-	-	\$335,607
Total for Utility Main Replacements		-	\$335,607	-	-	-	-	-	\$335,607
Utility System: Aging Main Rehabilitation and Repairs	2014 Gas Bond	-	\$651,613	-	-	-	-	-	\$651,613
Total for Utility System: Aging Main Rehabilitation and Repairs		-	\$651,613	-	-	-	-	-	\$651,613
Warner Road: Power to Sossaman	Future Gas Bond	-	-	-	-	-	\$188,276	\$2,177,898	\$2,366,174
	Future Water Bond	-	-	-	-	-	\$101,436	\$1,048,286	\$1,149,722
Total for Warner Road: Power to Sossaman		-	-	-	-	-	\$289,712	\$3,226,184	\$3,515,896
Total for Natural Gas Aging Infrastructure		\$8,996,147	\$8,822,164	\$7,223,927	\$6,247,370	\$11,226,067	\$11,319,832	\$21,653,305	\$75,488,812

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Natural Gas Growth (Page 1 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
East Valley Institute of Technology Compressed Natural Gas Fueling (CNG) Station	2010 Gas Bond	-	\$2,236,260	-	-	-	-	-	\$2,236,260
Total for East Valley Institute of Technology Compressed Natural Gas (CNG) Fueling Station		-	\$2,236,260	-	-	-	-	-	\$2,236,260
Gas Meters: New and Replacement	2014 Gas Bond	\$371,645	\$398,386	\$412,056	-	-	-	-	\$1,182,087
	Utility Replacement Extension and Renewal	\$371,645	\$398,386	\$412,056	\$905,356	\$923,289	\$994,462	\$3,046,979	\$7,052,173
Total for Gas Meters: New and Replacement		\$743,290	\$796,772	\$824,112	\$905,356	\$923,289	\$994,462	\$3,046,979	\$8,234,260
Gas System: New Mains	2010 Gas Bond	\$1,761,384	\$3,491,798	\$3,821,586	-	-	-	-	\$9,074,768
	Future Gas Bond	-	-	-	\$4,114,605	\$4,424,463	\$4,734,390	\$16,481,764	\$29,755,222
Total for Gas System: New Mains		\$1,761,384	\$3,491,798	\$3,821,586	\$4,114,605	\$4,424,463	\$4,734,390	\$16,481,764	\$38,829,990
Gas System: New Services	2010 Gas Bond	\$517,340	\$2,369,435	\$2,498,898	-	-	-	-	\$5,385,673
	Future Gas Bond	-	-	-	\$2,792,052	\$3,002,313	\$3,212,620	\$11,184,048	\$20,191,033
Total for Gas System: New Services		\$517,340	\$2,369,435	\$2,498,898	\$2,792,052	\$3,002,313	\$3,212,620	\$11,184,048	\$25,576,706

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Natural Gas Growth (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
High Pressure Gas Main Installations	2014 Gas Bond	\$657,853	\$722,723	\$790,980	-	-	-	-	\$2,171,556
	Future Gas Bond	-	-	-	\$851,628	\$915,762	\$979,911	\$3,411,345	\$6,158,646
Total for High Pressure Gas Main Installations		\$657,853	\$722,723	\$790,980	\$851,628	\$915,762	\$979,911	\$3,411,345	\$8,330,202
Magma Utility Service Center	2014 Gas Bond	-	-	\$530,556	-	-	-	-	\$530,556
Total for Magma Utility Service Center		-	-	\$530,556	-	-	-	-	\$530,556
McDowell and Greenfield Regulator Station	2014 Gas Bond	\$12,621	\$331,649	-	-	-	-	-	\$344,270
Total for McDowell and Greenfield Regulator Station		\$12,621	\$331,649	-	-	-	-	-	\$344,270
Meridian and Queen Creek Gas Regulator Station	2014 Gas Bond	\$10,781	\$272,319	-	-	-	-	-	\$283,100
Total for Meridian and Queen Creek Gas Regulator Station		\$10,781	\$272,319	-	-	-	-	-	\$283,100
Hawes Regulator Station; McKellips Road to Hermosa Vista	2014 Gas Bond	\$76,258	\$911,029	-	-	-	-	-	\$987,287
Total for Regulator Station, Hawes: McKellips Road to Hermosa Vista		\$76,258	\$911,029	-	-	-	-	-	\$987,287

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Natural Gas Growth (Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Higley Regulator Station; McDowell to Thomas	2014 Gas Bond	\$123,893	\$1,520,207	-	-	-	-	-	\$1,644,100
Total for Regulator Station, Higley; McDowell to Thomas		\$123,893	\$1,520,207	-	-	-	-	-	\$1,644,100
Total for Natural Gas Growth		\$10,665,580	\$12,652,192	\$8,466,132	\$8,663,641	\$9,265,827	\$9,921,383	\$34,124,136	\$94,685,718

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Natural Gas System Reinforcement

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Power Road and Brown Road Cross-Tie	2014 Gas Bond	\$49,946	\$441,955	-	-	-	-	-	\$491,901
Total for Power Road and Brown Road Cross-Tie		\$49,946	\$441,955	-	-	-	-	-	\$491,901
Regulator Station Security	2014 Gas Bond	\$56,353	\$59,970	\$63,584	-	-	-	-	\$179,907
	Future Gas Bond	-	-	-	\$66,368	\$69,135	\$71,668	\$233,857	\$441,028
Total for Regulator Station Security		\$56,353	\$59,970	\$63,584	\$66,368	\$69,135	\$71,668	\$233,857	\$620,935
Total for Natural Gas System Reinforcement		\$106,299	\$501,925	\$63,584	\$66,368	\$69,135	\$71,668	\$233,857	\$1,112,836

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Wastewater Contractual Obligations

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
91st Avenue Wastewater Treatment Plant	2014 Wastewater Bond	-	\$5,033,305	\$3,385,505	\$3,798,801	-	-	-	\$12,217,611
	Future Wastewater Bond	-	-	-	-	\$6,444,511	\$6,023,538	\$18,988,614	\$31,456,663
Total for 91st Avenue Wastewater Treatment Plant		-	\$5,033,305	\$3,385,505	\$3,798,801	\$6,444,511	\$6,023,538	\$18,988,614	\$43,674,274
Total for Wastewater Contractual Obligations		-	\$5,033,305	\$3,385,505	\$3,798,801	\$6,444,511	\$6,023,538	\$18,988,614	\$43,674,274

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Wastewater Customer Demand - Citywide

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
EXTENSIONS TO UNSEWERED AREAS (Septic to Sewer)	2014 Wastewater Bond	-	\$3,335,416	\$598,187	-	-	-	-	\$3,933,603
	Future Wastewater Bond	-	-	-	\$613,384	\$628,167	\$2,373,371	\$5,227,419	\$8,842,341
Total for EXTENSIONS TO UNSEWERED AREAS (Septic to Sewer)		-	\$3,335,416	\$598,187	\$613,384	\$628,167	\$2,373,371	\$5,227,419	\$12,775,944
NEW LIFT STATIONS	Future Wastewater Bond	-	-	-	-	-	\$1,330,070	\$19,616,525	\$20,946,595
Total for NEW LIFT STATIONS		-	-	-	-	-	\$1,330,070	\$19,616,525	\$20,946,595
NEW SEWER LINES - OTHER AREAS	Future Wastewater Bond	-	-	-	-	-	\$3,030,266	\$5,076,708	\$8,106,974
Total for NEW SEWER LINES - OTHER AREAS		-	-	-	-	-	\$3,030,266	\$5,076,708	\$8,106,974
Odor Control Master Plan	Wastewater	-	-	\$225,143	\$577,157	-	-	\$616,329	\$1,418,629
Total for Odor Control Master Plan		-	-	\$225,143	\$577,157	-	-	\$616,329	\$1,418,629
Total for Wastewater Customer Demand - Citywide		\$692,230	\$3,335,416	\$823,330	\$1,190,541	\$628,167	\$6,733,707	\$30,536,981	\$43,940,372

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Wastewater Customer Demand - Southeast Mesa

(Page 1 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Greenfield Water Reclamation Plant Expansion	Greenfield WRP Joint Venture	\$6,697,656	\$6,942,590	\$55,539,056	\$89,010,956	\$45,581,677	\$3,076,275	-	\$206,848,210
Total for Greenfield Water Reclamation Plant Expansion		\$6,697,656	\$6,942,590	\$55,539,056	\$89,010,956	\$45,581,677	\$3,076,275	-	\$206,848,210
Greenfield Water Reclamation Plant Expansion – Mesa Share	2014 Wastewater Bond	-	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,493,644
Total for Greenfield Water Reclamation Plant Expansion - Mesa Share		-	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,493,644
NEW SEWER LINES Phoenix- Mesa Gateway Development Plan	2014 Wastewater Bond	-	\$1,657,746	\$1,109,082	\$361,087	-	-	-	\$3,127,915
Total for NEW SEWER LINES Phoenix-Mesa Gateway Development Plan		-	\$1,657,746	\$1,109,082	\$361,087	-	-	-	\$3,127,915
NEW SEWER LINES – Southeast Mesa	2014 Wastewater Bond	-	\$629,091	\$7,377,518	\$3,875,815	\$5,100,106	-	-	\$16,982,530
Total for NEW SEWER LINES – Southeast Mesa		-	\$629,091	\$7,377,518	\$3,875,815	\$5,100,106	-	-	\$16,982,530

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Wastewater Customer Demand - Southeast Mesa

(Page 2 of 2)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
WASTEWATER OVERSIZE & EXTENSIONS (City Share for Oversizing)	2014 Wastewater Bond	-	\$162,000	\$168,858	\$173,148	-	-	-	\$504,006
	Future Wastewater Bond	-	-	-	-	\$177,321	\$180,707	\$569,659	\$927,687
Total for WASTEWATER OVERSIZE & EXTENSIONS (City Share for Oversizing)		-	\$162,000	\$168,858	\$173,148	\$177,321	\$180,707	\$569,659	\$1,431,693
Williams Field Road Sewer: Ellsworth to Mountain	2014 Wastewater Bond	\$2,395,194	\$226,260	\$2,523,453	-	-	-	-	\$5,144,907
Total for Williams Field Road Sewer: Ellsworth to Mountain		\$2,395,194	\$226,260	\$2,523,453	-	-	-	-	\$5,144,907
Total for Wastewater Customer Demand in SE Mesa		\$13,865,666	\$13,935,978	\$101,263,260	\$148,785,820	\$79,210,907	\$5,170,425	\$569,659	\$362,801,715

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Wastewater Lifecycle (Page 1 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
6th Street Sulfide Control Station Rehabilitation	2014 Wastewater Bond	\$641,761	\$667,181	-	-	-	-	-	\$1,308,942
Total for 6th Street Sulfide Control Station Rehabilitation		\$641,761	\$667,181	-	-	-	-	-	\$1,308,942
DIVERSION STRUCTURE REHABILITATION	2014 Wastewater Bond	-	\$127,440	\$132,835	-	-	-	-	\$260,275
	Future Wastewater Bond	-	-	-	\$136,209	\$139,493	\$142,156	\$448,133	\$865,991
Total for DIVERSION STRUCTURE REHABILITATION		-	\$127,440	\$132,835	\$136,209	\$139,493	\$142,156	\$448,133	\$1,126,266
Eagle Crest Lift Station Access Easement	2010 Wastewater Bond	-	\$79,703	-	-	-	-	-	\$79,703
Total for Eagle Crest Lift Station Access Easement		-	\$79,703	-	-	-	-	-	\$79,703
Eagle Crest Lift Station Rehabilitation	2014 Wastewater Bond	\$18	\$635,426	-	-	-	-	-	\$635,444
Total for Eagle Crest Lift Station Rehabilitation		\$18	\$635,426	-	-	-	-	-	\$635,444

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Wastewater Lifecycle (Page 2 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Greenfield Water Reclamation Plant Primary Odor Control	Greenfield WRP Joint Venture	\$2,284,830	\$84,127	-	-	-	-	-	\$2,368,957
Total for Greenfield Water Reclamation Plant Primary Odor Control		\$2,284,830	\$84,127	-	-	-	-	-	\$2,368,957
Greenfield Water Reclamation Plant Headworks – Solids Duct Upgrade	Greenfield WRP Joint Venture	-	\$1,145,571	\$120,999	-	-	-	-	\$1,266,570
Total for Greenfield Water Reclamation Plant Headworks – Solids Duct Upgrade		-	\$1,145,571	\$120,999	-	-	-	-	\$1,266,570
Greenfield Water Reclamation Plant Headworks – Solids Duct Upgrade – CP0263 Mesa Share	2010 Wastewater Bond	-	\$481,140	\$50,820	-	-	-	-	\$531,960
Total for Greenfield Water Reclamation Plant Headworks – Solids Duct Upgrade - CP0263 Mesa Share		-	\$481,140	\$50,820	-	-	-	-	\$531,960
GREENFIELD WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS	Greenfield WRP Joint Venture	-	-	-	\$3,289,798	-	-	\$5,818,146	\$9,107,944
Total for GREENFIELD WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS		-	-	-	\$3,289,798	-	-	\$5,818,146	\$9,107,944

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Wastewater Lifecycle (Page 3 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
GREENFIELD WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS – CP0625 Mesa Share	Future Wastewater Bond	-	-	-	\$1,381,715	-	-	\$2,443,621	\$3,825,336
Total for GREENFIELD WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS - CP0625 Mesa Share		-	-	-	\$1,381,715	-	-	\$2,443,621	\$3,825,336
GREENFIELD WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS – CP0626 Mesa Share	2014 Wastewater Bond	-	\$1,769,684	\$943,954	\$291,198	-	-	-	\$3,004,836
	Future Wastewater Bond	-	-	-	\$228,318	\$461,207	\$310,765	\$685,232	\$1,685,522
Total for GREENFIELD WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS – CP0626 Mesa Share		-	\$1,769,684	\$943,954	\$519,516	\$461,207	\$310,765	\$685,232	\$4,690,358
GREENFIELD WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT	Greenfield WRP Joint Venture	-	\$4,213,532	\$2,247,508	\$1,236,946	\$1,098,110	\$739,914	\$1,631,503	\$11,167,513
Total for GREENFIELD WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT		-	\$4,213,532	\$2,247,508	\$1,236,946	\$1,098,110	\$739,914	\$1,631,503	\$11,167,513

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Program Summary – Capital Expenses

Wastewater Lifecycle (Page 4 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
GREENFIELD WATER RECLAMATION PLANT Primary Odor Control – C10335 Mesa Share	2010 Wastewater Bond	-	\$35,333	-	-	-	-	-	\$35,333
Total for GREENFIELD WATER RECLAMATION PLANT Primary Odor Control – C10335 Mesa Share		-	\$35,333	-	-	-	-	-	\$35,333
GREENFIELD WATER RECLAMATION PLANT SLUDGE LINE REPLACEMENT	Greenfield WRP Joint Venture	-	\$1,283,040	-	-	-	-	-	\$1,283,040
Total for GREENFIELD WATER RECLAMATION PLANT SLUDGE LINE REPLACEMENT		-	\$1,283,040	-	-	-	-	-	\$1,283,040
GREENFIELD WATER RECLAMATION PLANT SLUDGE LINE REPLACEMENT – CP0590 Mesa Share	2014 Wastewater Bond	-	\$538,877	-	-	-	-	-	\$538,877
Total for GREENFIELD WATER RECLAMATION PLANT SLUDGE LINE REPLACEMENT – CP0590 Mesa Share		-	\$538,877	-	-	-	-	-	\$538,877
LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT	2014 Wastewater Bond	-	\$58,320	\$60,789	-	-	-	-	\$119,109
	Future Wastewater Bond	-	-	-	\$62,333	\$63,836	\$251,785	\$3,071,161	\$3,449,115
Total for LIFT STATION REHABILITATION AND EQUIPMENT REPLACEMENT		-	\$58,320	\$60,789	\$62,333	\$63,836	\$251,785	\$3,071,161	\$3,568,224

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Wastewater Lifecycle (Page 5 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
MANHOLE REHABILITATION	Utility Replacement Extension and Renewal	-	\$1,553,990	\$1,619,771	\$1,660,921	\$1,700,951	\$1,733,430	\$5,464,466	\$13,733,529
Total for MANHOLE REHABILITATION		-	\$1,553,990	\$1,619,771	\$1,660,921	\$1,700,951	\$1,733,430	\$5,464,466	\$13,733,529
METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT	2014 Wastewater Bond Future Wastewater Bond	-	\$29,160	\$30,394	-	-	-	-	\$59,554
Total for METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT		-	\$29,160	\$30,394	\$31,167	\$31,917	\$32,527	\$102,539	\$198,150
Northwest Water Reclamation Plant Aeration System Improvements	2010 Wastewater Bond	\$3,043,878	\$1,593,069	-	-	-	-	-	\$4,636,947
Total for Northwest Water Reclamation Plant Aeration System Improvements		\$3,043,878	\$1,593,069	-	-	-	-	-	\$4,636,947

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Wastewater Lifecycle (Page 6 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
NORTHWEST WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS	2014 Wastewater Bond	-	-	\$985,002	\$2,337,488	-	-	-	\$3,322,490
	Future Wastewater Bond	-	-	-	-	-	\$229,135	\$2,819,021	\$3,048,156
Total for NORTHWEST WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS		-	-	\$985,002	\$2,337,488	-	\$229,135	\$2,819,021	\$6,370,646
NORTHWEST WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT	2014 Wastewater Bond	-	\$116,640	\$729,464	-	-	-	-	\$846,104
	Future Wastewater Bond	-	-	-	\$747,996	\$766,024	\$780,651	\$2,666,001	\$4,960,672
Total for NORTHWEST WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT		-	\$116,640	\$729,464	\$747,996	\$766,024	\$780,651	\$2,666,001	\$5,806,776
Odor Control Station Equipment Replacement	2014 Wastewater Bond	\$28,890	\$513,216	-	-	-	-	-	\$542,106
Total for Odor Control Station Equipment Replacement		\$28,890	\$513,216	-	-	-	-	-	\$542,106

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Wastewater Lifecycle (Page 7 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
ODOR CONTROL STATION REHABILITATION/EQUIPMENT REPLACEMENT	2014 Wastewater Bond	-	\$29,160	\$30,394	-	-	-	-	\$59,554
	Future Wastewater Bond	-	-	-	\$31,167	\$31,917	\$183,116	\$4,373,568	\$4,619,768
Total for ODOR CONTROL STATION REHABILITATION/EQUIPMENT REPLACEMENT		-	\$29,160	\$30,394	\$31,167	\$31,917	\$183,116	\$4,373,568	\$4,679,322
Star Valley Lift Station Rehabilitation	2014 Wastewater Bond	-	-	\$90,058	\$1,246,660	-	-	-	\$1,336,718
Total for Star Valley Lift Station Rehabilitation		-	-	\$90,058	\$1,246,660	-	-	-	\$1,336,718
SEWER LINE CONDITION ASSESSMENT AND REHABILITATION	2014 Wastewater Bond	-	\$433,620	\$451,975	-	-	-	-	\$885,595
	Future Wastewater Bond	-	-	-	\$463,457	\$474,628	\$483,690	\$1,524,785	\$2,946,560
Total for SEWER LINE CONDITION ASSESSMENT AND REHABILITATION		-	\$433,620	\$451,975	\$463,457	\$474,628	\$483,690	\$1,524,785	\$3,832,155

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Program Summary – Capital Expenses

Wastewater Lifecycle (Page 8 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Sewer Line Rehabilitation	2014 Wastewater Bond	\$2,262,666	\$2,382,074	-	-	-	-	-	\$4,644,740
Total for Sewer Line Rehabilitation		\$2,262,666	\$2,382,074	-	-	-	-	-	\$4,644,740
SEWER LINE REHAB / REPAIR / REPLACE	2014 Wastewater Bond	-	\$2,152,428	\$873,049	\$5,796,363	-	-	-	\$8,821,840
	Future Wastewater Bond	-	-	-	\$1,228,340	\$11,815,626	\$10,977,613	\$7,969,559	\$31,991,138
Total for SEWER LINE REHAB /REPAIR /REPLACE		-	\$2,152,428	\$873,049	\$7,024,703	\$11,815,626	\$10,977,613	\$7,969,559	\$40,812,978
SOUTHEAST WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS	Future Wastewater Bond	-	-	-	\$3,289,798	-	-	\$3,999,975	\$7,289,773
Total for SOUTHEAST WATER RECLAMATION PLANT MAJOR PLANT IMPROVEMENTS		-	-	-	\$3,289,798	-	-	\$3,999,975	\$7,289,773

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Program Summary – Capital Expenses

Wastewater Lifecycle (Page 9 of 9)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
SOUTHEAST WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT	2014 Wastewater Bond	-	\$116,640	\$121,578	-	-	-	-	\$238,218
	Future Wastewater Bond	-	-	-	\$124,666	\$127,671	\$130,109	\$615,231	\$997,677
Total for SOUTHEAST WATER RECLAMATION PLANT MISC PLANT IMPROVEMENTS & EQUIPMENT REPLACEMENT		-	\$116,640	\$121,578	\$124,666	\$127,671	\$130,109	\$615,231	\$1,235,895
Vanguard Lift Station and Sulfide Control Station Rehab	2010 Wastewater Bond	-	\$432,384	-	-	-	-	-	\$432,384
Total for Vanguard Lift Station and Sulfide Control Station Rehab		-	\$432,384	-	-	-	-	-	\$432,384
Total for Wastewater Lifecycle		\$10,502,651	\$20,471,755	\$8,488,590	\$23,584,540	\$16,711,380	\$15,994,891	\$43,632,941	\$139,386,748

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Water Contractual Obligations

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Val Vista Pipelines to City Zone Reservoirs	2014 Water Bond	\$18,725,578	\$11,537,991	-	-	-	-	-	\$30,263,569
Total for Val Vista Pipelines to City Zone Reservoirs		\$18,725,578	\$11,537,991	-	-	-	-	-	\$30,263,569
Val Vista Water Treatment Plant (Mesa Share)	2014 Water Bond	\$697,058	\$3,618,739	\$1,358,033	\$3,049,819	-	-	-	\$8,723,649
	Future Water Bond	-	-	-	-	\$8,706,897	\$5,577,350	\$10,456,870	\$24,741,117
Total for Val Vista Water Treatment Plant (Mesa Share)		\$697,058	\$3,618,739	\$1,358,033	\$3,049,819	\$8,706,897	\$5,577,350	\$10,456,870	\$33,464,766
Water Rights for White Mountain Apache Water Settlement	2014 Water Bond	-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009
Total for Water Rights for White Mountain Apache Water Settlement		-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009
Total for Water Contractual Obligations		\$54,790,241	\$18,856,730	\$5,058,042	\$3,049,819	\$8,706,897	\$5,577,350	\$10,456,870	\$106,495,949

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Water Customer Demand Citywide

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Transfer Station 3 Improvements	2014 Water Bond	\$513,104	\$7,544,676	-	-	-	-	-	\$8,057,780
Total for Transfer Station 3 Improvements		\$513,104	\$7,544,676	-	-	-	-	-	\$8,057,780
TRANSMISSION MAIN - OTHER AREAS	Future Water Bond	-	-	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$27,173,803
Total for TRANSMISSION MAIN - OTHER AREAS		-	-	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$27,173,803
Total for Water Customer Demand Citywide		\$513,303	\$7,544,676	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$35,231,782

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Water Customer Demand - Southeast Mesa

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Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Desert Well 19	2014 Water Bond	\$2,416,173	\$1,217,526	-	-	-	-	-	\$3,633,699
Total for Desert Well 19		\$2,416,173	\$1,217,526	-	-	-	-	-	\$3,633,699
Desert Well 20 Drill and Equip	2014 Water Bond	\$598,588	\$1,217,526	-	-	-	-	-	\$1,816,114
Total for Desert Well 20 Drill and Equip		\$598,588	\$1,217,526	-	-	-	-	-	\$1,816,114
Elliot Road Waterline: Hawes Road to Sossaman Road	2014 Water Bond	\$238,207	\$16,297,411	-	-	-	-	-	\$16,535,618
Total for Elliot Road Waterline: Hawes Road to Sossaman Road		\$238,207	\$16,297,411	-	-	-	-	-	\$16,535,618
New Groundwater Wells	2014 Water Bond	-	\$1,284,525	\$1,338,306	-	-	-	-	\$2,622,831
	Future Water Bond	-	-	-	\$3,499,081	\$2,678,352	\$1,813,018	\$27,819,432	\$35,809,883
Total for New Groundwater Wells		-	\$1,284,525	\$1,338,306	\$3,499,081	\$2,678,352	\$1,813,018	\$27,819,432	\$38,432,714
NEW PUMP STATION	2014 Water Bond	-	\$1,063,286	\$3,025,089	-	-	-	-	\$4,088,375
	Future Water Bond	-	-	-	\$51,623	\$533,964	\$854,940	\$5,966,778	\$7,407,305
Total for NEW PUMP STATION		-	\$1,063,286	\$3,025,089	\$51,623	\$533,964	\$854,940	\$5,966,778	\$11,495,680

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Water Customer Demand - Southeast Mesa (Page 2 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Signal Butte Water Treatment Plant	2014 Water Bond	\$6,832,514	\$59,947,680	\$52,095,716	-	-	-	-	\$118,875,910
Total for Signal Butte Water Treatment Plant		\$6,832,514	\$59,947,680	\$52,095,716	-	-	-	-	\$118,875,910
TRANSMISSION MAINS - SE MESA	2014 Water Bond	-	\$2,332,944	\$791,839	\$6,615,329	-	-	-	\$9,740,112
	Future Water Bond	-	-	-	-	-	\$1,076,110	\$17,060,345	\$18,136,455
Total for TRANSMISSION MAINS - SE MESA		-	\$2,332,944	\$791,839	\$6,615,329	-	\$1,076,110	\$17,060,345	\$27,876,567
Warner Lift Station Modifications	2010 Gas Bond	-	\$309,777	-	-	-	-	-	\$309,777
	2010 Water Bond	\$625	\$169,455	-	-	-	-	-	\$170,080
Total for Warner Lift Station Modifications		\$625	\$479,232	-	-	-	-	-	\$479,857
Water and Wastewater Improvements for ASU Polytechnic	2010 Wastewater Bond	\$2,018,145	-	\$205,227	\$2,272,757	-	-	-	\$4,496,129
	2010 Water Bond	\$824,426	\$810,816	-	-	-	-	-	\$1,635,242
Total for Water and Wastewater Improvements for ASU Polytechnic		\$2,842,571	\$810,816	\$205,227	\$2,272,757	-	-	-	\$6,131,371

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2017 – 2021 Capital Improvement Program

Program Summary – Capital Expenses

Water Customer Demand - Southeast Mesa

(Page 3 of 3)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
WATER EXTENSIONS AND OVERSIZED MAINS	2014 Water Bond	-	\$214,120	\$223,184	\$228,854	-	-	-	\$666,158
	Future Water Bond	-	-	-	-	\$234,369	\$238,844	\$752,933	\$1,226,146
Total for WATER EXTENSIONS AND OVERSIZED MAINS		-	\$214,120	\$223,184	\$228,854	\$234,369	\$238,844	\$752,933	\$1,892,304
Waterline from CAP to Signal Butte Water Treatment Plant	2014 Water Bond	\$2,019,317	\$9,996,029	-	-	-	-	-	\$12,015,346
Total for Waterline from CAP to Signal Butte Water Treatment Plant		\$2,019,317	\$9,996,029	-	-	-	-	-	\$12,015,346
WELL COLLECTION LINES	Future Water Bond	-	-	-	-	-	\$369,887	\$12,779,522	\$13,149,409
Total for WELL COLLECTION LINES		-	-	-	-	-	\$369,887	\$12,779,522	\$13,149,409
Well Site Acquisition	2014 Water Bond	\$262,492	\$265,000	-	-	-	-	-	\$527,492
	Future Water Bond	-	-	-	\$283,235	\$290,062	\$295,600	\$302,458	\$1,171,355
Total for Well Site Acquisition		\$262,492	\$265,000	-	\$283,235	\$290,062	\$295,600	\$302,458	\$1,698,847
Total for Water Customer Demand SE Mesa		\$21,643,082	\$95,126,095	\$57,679,361	\$12,950,879	\$3,736,747	\$4,648,399	\$64,681,468	\$260,466,031

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Program Summary – Capital Expenses

Water Lifecycle (Page 1 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Brown Rd WTP Miscellaneous Improvements & Equip Replacement	2014 Water Bond	\$5,270,828	\$2,337,986	\$2,292,639	-	-	-	-	\$9,901,453
Total For Brown Rd WTP Miscellaneous Improvements & Equip Replacement		\$5,270,828	\$2,337,986	\$2,292,639	-	-	-	-	\$9,901,453
BROWN RD. WTP MISC. IMPROVEMENTS	Future Water Bond	-	-	-	\$27,190	\$2,393,873	\$984,347	\$3,103,056	\$6,508,466
Total For BROWN RD. WTP MISC. IMPROVEMENTS		-	-	-	\$27,190	\$2,393,873	\$984,347	\$3,103,056	\$6,508,466
BROWN ROAD MAJOR PLANT IMPROVEMENTS	Future Water Bond	-	-	-	\$302,116	\$3,434,323	\$3,499,897	\$8,847,469	\$16,083,805
Total for BROWN ROAD MAJOR PLANT IMPROVEMENTS		-	-	-	\$302,116	\$3,434,323	\$3,499,897	\$8,847,469	\$16,083,805
City Well 7 Re-drill	2014 Water Bond	\$1,024,466	\$1,223,696	-	-	-	-	-	\$2,248,162
Total for City Well 7 Re-drill		\$1,024,466	\$1,223,696	-	-	-	-	-	\$2,248,162
City Well 8 Re-drill	2014 Water Bond	\$1,175,081	\$1,223,696	-	-	-	-	-	\$2,398,777
Total for City Well 8 Re-drill		\$1,175,081	\$1,223,696	-	-	-	-	-	\$2,398,777

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2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Water Lifecycle (Page 2 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Falcon Field Airport Improvements	2014 Water Bond	\$265,125	\$396,122	-	-	-	-	-	\$661,247
Total for Falcon Field Airport Improvements		\$265,125	\$396,122	-	-	-	-	-	\$661,247
Fire Hydrant Meters	2014 Water Bond	\$10,500	\$10,800	\$11,257	-	-	-	-	\$32,557
	Future Water Bond	-	-	-	-	-	\$12,047	\$37,978	\$50,025
Total for Fire Hydrant Meters		\$10,500	\$10,800	\$11,257	-	-	\$12,047	\$37,978	\$82,582
Pressure Reducing Valve Station Replacements - Citywide	2014 Water Bond	\$358,639	\$632,149	-	-	-	-	-	\$990,788
Total for Pressure Reducing Valve Station Replacements - Citywide		\$358,639	\$632,149	-	-	-	-	-	\$990,788
PUMP STATION REHABILITATION	2014 Water Bond	-	\$1,039,031	\$278,980	\$283,369	-	-	-	\$1,601,380
	Future Water Bond	-	-	-	\$22,669	\$313,413	\$319,398	\$1,131,108	\$1,786,588
Total for PUMP STATION REHABILITATION		-	\$1,039,031	\$278,980	\$306,038	\$313,413	\$319,398	\$1,131,108	\$3,387,968

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Program Summary – Capital Expenses

Water Lifecycle (Page 3 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Radio Communication Upgrade at Remote Water Facilities	2014 Gas Bond	-	\$550,946	-	-	-	-	-	\$550,946
	2014 Water Bond	\$78,750	\$207,482	\$216,265	\$52,293	-	-	-	\$554,790
Total for Radio Communication Upgrade at Remote Water Facilities		\$78,750	\$758,428	\$216,265	\$52,293	-	-	-	\$1,105,736
REDRILL GROUNDWATER WELLS	2014 Water Bond	-	-	\$92,809	\$110,687	-	-	-	\$203,496
	Future Water Bond	-	-	-	\$3,182,695	\$5,710,778	\$1,554,440	\$14,350,953	\$24,798,866
Total for REDRILL GROUNDWATER WELLS		-	-	\$92,809	\$3,293,382	\$5,710,778	\$1,554,440	\$14,350,953	\$25,002,362
REPLACE FIRE HYDRANTS	2014 Water Bond	-	\$437,400	\$455,915	\$498,664	-	-	-	\$1,391,979
	Future Water Bond	-	-	-	-	\$510,682	\$520,434	\$1,500,230	\$2,531,346
Total for REPLACE FIRE HYDRANTS		-	\$437,400	\$455,915	\$498,664	\$510,682	\$520,434	\$1,500,230	\$3,923,325
REPLACE WATER VALVES	2014 Water Bond	-	\$408,240	\$425,521	\$436,332	-	-	-	\$1,270,093
	Future Water Bond	-	-	-	-	\$446,848	\$455,380	\$1,435,539	\$2,337,767
Total for REPLACE WATER VALVES		-	\$408,240	\$425,521	\$436,332	\$446,848	\$455,380	\$1,435,539	\$3,607,860

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Program Summary – Capital Expenses

Water Lifecycle (Page 4 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
RESERVOIRS REHABILITATION	Future Water Bond	-	-	-	\$22,445	\$22,986	\$255,884	\$3,176,471	\$3,477,786
Total for RESERVOIRS REHABILITATION		-	-	-	\$22,445	\$22,986	\$255,884	\$3,176,471	\$3,477,786
VAL VISTA WATER TREATMENT PLANT MAJOR PLANT IMPROVEMENTS (MESA'S ASSETS)	Future Water Bond	-	-	-	\$226,588	\$2,343,693	-	-	\$2,570,281
Total for VAL VISTA WATER TREATMENT PLANT MAJOR PLANT IMPROVEMENTS (MESA'S ASSETS)		-	-	-	\$226,588	\$2,343,693	-	-	\$2,570,281
Water Aging Main Rehab and Repair	2014 Water Bond	\$30,214	\$10,010,451	\$5,959,668	\$5,753,405	-	-	-	\$21,753,738
	Future Water Bond	-	-	-	\$534,405	\$6,439,356	\$6,696,284	\$27,924,905	\$41,594,950
Total for Water Aging Main Rehab and Repair		\$30,214	\$10,010,451	\$5,959,668	\$6,287,810	\$6,439,356	\$6,696,284	\$27,924,905	\$63,348,688
WATERLINE INSPECTION AND REPAIRS	2014 Water Bond	-	\$1,188,260	\$1,238,559	\$697,890	-	-	-	\$3,124,709
	Future Water Bond	-	-	-	-	\$1,300,634	\$728,357	\$2,296,074	\$4,325,065
Total for WATERLINE INSPECTION AND REPAIRS		-	\$1,188,260	\$1,238,559	\$697,890	\$1,300,634	\$728,357	\$2,296,074	\$7,449,774

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

2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Water Lifecycle (Page 5 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Center Street Water Line Replacement	2014 Gas Bond	-	\$188,139	-	-	-	-	-	\$188,139
	2014 Wastewater Bond	\$13,231	\$142,447	-	-	-	-	-	\$155,678
	2014 Water Bond	\$61,418	\$62,540	-	-	-	-	-	\$123,958
Total for Center Street Water Line Replacement		\$74,649	\$393,126	-	-	-	-	-	\$467,775
Horne Water Line Replacement; Marilyn Avenue to Southern Avenue	2014 Gas Bond	-	\$475,646	-	-	-	-	-	\$475,646
	2014 Water Bond	\$575	\$910,010	-	-	-	-	-	\$910,585
Total for Horne Water Line Replacement; Marilyn Avenue to Southern Avenue		\$575	\$1,385,656	-	-	-	-	-	\$1,386,231
WATER METERS	Utility Replacement Extension and Renewal	-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775
Total for WATER METERS		-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775

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

2017 – 2021 Capital Improvement Program
Program Summary – Capital Expenses

Water Lifecycle (Page 6 of 6)

Project Title	Fund	Estimate Expenditures thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years (3)	Total
Water Meter Vault Rehabilitation	2014 Water Bond	-	\$1,010,880	\$1,053,672	\$1,080,439	-	-	-	\$3,144,991
	Future Water Bond	-	-	-	-	\$1,106,480	\$1,127,607	\$3,554,669	\$5,788,756
Total for Water Meter Vault Rehabilitation		-	\$1,010,880	\$1,053,672	\$1,080,439	\$1,106,480	\$1,127,607	\$3,554,669	\$8,933,747
WATER SERVICES EXTENSION AND REPLACEMENT	2014 Water Bond	-	\$233,280	\$243,154	\$249,332	-	-	-	\$725,766
	Future Water Bond	-	-	-	-	\$255,341	\$260,217	\$820,309	\$1,335,867
Total for WATER SERVICES EXTENSION AND REPLACEMENT		-	\$233,280	\$243,154	\$249,332	\$255,341	\$260,217	\$820,309	\$2,061,633
Water System Compliance Lab Replacement	Future Wastewater Bond	-	-	-	-	-	\$366,255	\$51,386	\$417,641
	Future Water Bond	-	-	-	-	-	\$183,154	\$203,731	\$386,885
Total for Water System Compliance Lab Replacement		-	-	-	-	-	\$549,409	\$255,117	\$804,526
Total for Water Lifecycle		\$9,139,534	\$23,439,201	\$13,071,033	\$14,324,879	\$25,165,009	\$17,889,541	\$71,446,257	\$174,475,454

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

Major Program Summary - Start-up and Operational Expenses



Fiscal Years
2017-2021
City of Mesa, Arizona

Start-up and Operational Expenses Summary

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2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Aquatics

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Mesa Aquatic Complex	General Fund	Ongoing	\$43,150	\$44,977	\$46,119	\$47,231	\$48,133
Total for Aquatics			\$43,150	\$44,977	\$46,119	\$47,231	\$48,133

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Cemetery

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Cemetery North Expansion	Cemetery	Ongoing	-	\$11,466	\$11,756	\$12,041	\$12,269
Total for Cemetery			-	\$11,466	\$11,756	\$12,041	\$12,269

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Fire

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Fire Station 221	General Fund	Ongoing	-	-	-	\$1,659,877	\$2,025,799
Total for Fire			-	-	-	\$1,659,877	\$2,025,799

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Intelligent Transportation System

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
ITS - East Valley Arterial Congestion Monitoring	Local Street Sales Tax	Ongoing	\$25,580	\$26,663	\$27,340	\$27,999	\$ 28,534
ITS - Integrate Mesa 911 Call	Local Street Sales Tax	Ongoing	\$25,580	\$26,663	\$27,340	\$27,999	\$28,534
MAG ITS Projects	Local Street Sales Tax	Ongoing	\$8,752	\$13,684	\$18,708	\$23,949	\$29,288
ITS Radio Communications Upgrades	Local Street Sales Tax	Ongoing	\$25,580	\$26,663	\$27,340	\$27,999	\$28,534
ITS - Radio Communications Upgrade	Local Street Sales Tax	Ongoing	\$25,580	\$26,663	\$27,340	\$27,999	\$28,534
Total for Intelligent Transportation System			\$111,072	\$120,336	\$128,068	\$135,945	\$143,424

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.

2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Parks & Recreation (Page 1 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Desert Arroyo Park	General Fund	Ongoing	\$53,410	\$55,671	\$57,085	\$58,461	\$59,577
Eagles Park	Environmental Compliance Fund	One Time	-	\$104,233	-	-	-
	Environmental Compliance Fund	Ongoing	-	\$247,217	\$253,497	\$259,607	\$264,564
	General Fund	Ongoing	-	\$464,492	\$476,445	\$487,928	\$497,244
Existing Park Improvements	Environmental Compliance Fund	Ongoing	-	-	\$42,752	\$43,783	\$44,619
	General Fund	Ongoing	-	-	\$566,469	\$580,122	\$591,199
Fiesta Sports Park	General Fund	Ongoing	\$432,940	\$451,629	\$463,103	\$474,264	\$483,320
Greenfield Park Urban Fishing Lake	Environmental Compliance Fund	One Time	-	\$41,693	-	-	-
	Environmental Compliance Fund	Ongoing	-	\$94,851	\$97,261	\$99,605	\$101,507
	General Fund	Ongoing	-	\$118,470	\$121,441	\$124,368	\$126,743

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Parks & Recreation (Page 2 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Mariposa Park	General Fund - Capital	One Time	\$104,051	-	-	-	-
	General Fund	Ongoing	\$53,117	\$55,365	\$56,772	\$58,140	\$59,250
Pioneer Park Renovations	General Fund	Ongoing	\$355,974	\$371,055	\$380,481	\$389,652	\$397,092
Signal Butte & Elliot Park Development	Environmental Compliance Fund	One Time	-	-	\$128,257	-	-
	Environmental Compliance Fund	Ongoing	-	-	\$60,899	\$62,366	\$63,557
	General Fund	Ongoing	-	-	\$63,023	\$64,697	\$65,932
Total for Parks & Recreation			\$999,492	\$2,004,676	\$2,767,485	\$2,702,993	\$2,754,604

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.

2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Regional Transportation Plan

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Baseline; 24 th Street to Consolidated Canal	Local Street Sales Tax	Ongoing	-	\$19,809	\$20,313	\$20,802	\$21,200
Mesa Drive Phase II	Local Street Sales Tax	Ongoing	-	-	\$46,446	\$47,566	\$48,474
Southern Avenue Improvements - Gilbert to Consolidated Canal	Local Street Sales Tax	Ongoing	-	-	\$20,313	\$20,802	\$21,200
Southern Avenue Improvements - Greenfield to Higley	Local Street Sales Tax	Ongoing	-	-	\$48,096	\$49,256	\$50,196
Val Vista Drive: Baseline Road to US60	Local Street Sales Tax	Ongoing	-	\$19,809	\$20,313	\$20,802	\$21,200
Val Vista Drive Improvements - Pueblo to US 60	Local Street Sales Tax	Ongoing	-	-	-	-	\$21,200

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Storm Sewer (Page 1 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
10 th Avenue and Serrine Drainage	Environmental Compliance Fund	Ongoing	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231
2 nd Avenue and Extension Drainage	Environmental Compliance Fund	Ongoing	-	2,085	2,138	2,189	2,231
2 nd Avenue and Solomon Drainage	Environmental Compliance Fund	Ongoing	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231
63 rd and Broadway Drainage	Environmental Compliance Fund	Ongoing	-	\$2,085	\$2,138	\$2,189	\$2,231
Emerald Area Drainage	Environmental Compliance Fund	Ongoing	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231
Horne Storm Drain System	Environmental Compliance Fund	Ongoing	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231
Royal Palms Drainage	Environmental Compliance Fund	Ongoing	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Storm Sewer (Page 2 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Solomon and Southern Drainage	Environmental Compliance Fund	Ongoing	-	\$2,085	\$2,138	\$2,189	\$2,231
Summer and Bates Drainage	Environmental Compliance Fund	Ongoing	-	-	\$5,344	\$5,473	\$5,577
Total for Storm Sewer			\$10,000	\$16,680	\$22,448	\$22,985	\$23,425

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Streets (Page 1 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
10th Street Traffic Calming	Local Street Sales Tax	Ongoing	-	\$2,974	\$3,049	\$3,123	\$3,182
2013 Streets City share	Local Street Sales Tax	Ongoing	\$28,485	\$92,038	\$94,376	\$96,651	\$98,496
Dobson Road, US 60 to Broadway	Local Street Sales Tax	Ongoing	-	-	-	-	\$21,752
Neighborhood Transportation Improvement Projects	Local Street Sales Tax	Ongoing	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928
Railroad Quiet Zone	Local Street Sales Tax	Ongoing	\$26,168	\$27,161	\$27,802	\$28,475	\$29,019
Roosevelt Road Improvements from Broadway to 8th Avenue	Local Street Sales Tax	Ongoing	-	\$27,161	\$27,802	\$28,475	\$29,019

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Streets (Page 2 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Streetlight Spot Improvement	Local Street Sales Tax	Ongoing	-	\$7,817	\$16,032	\$24,683	\$25,154
Traffic Signals - New and Upgrade	Local Street Sales Tax	Ongoing	\$5,500	\$5,733	\$5,878	\$12,040	\$18,405
Total for Streets			\$69,053	\$172,161	\$184,451	\$203,189	\$234,955

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.

2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Shared Use Paths (Page 1 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Bike and Ped Pilot projects	Local Street Sales Tax	Ongoing	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928
Dobson Road Pedestrian and Bicycle Route Improvements	Local Street Sales Tax	Ongoing	\$9,750	\$10,163	\$10,421	\$10,672	\$10,876
East Canal Shared Use Path	Local Street Sales Tax	Ongoing	-	-	-	-	\$13,163
Fiesta Paseo Pathway and Micro Park	Local Street Sales Tax	Ongoing	\$17,000	\$17,720	\$18,170	\$18,608	\$18,963
Lehi Crossing Trail	Local Street Sales Tax	Ongoing	-	-	-	-	\$32,906
Lighting on Consolidated Canal Phase 2, Adobe to Lindsay	Local Street Sales Tax	Ongoing	-	\$9,516	\$9,758	\$9,993	\$10,184
Porter Park Pathway	Local Street Sales Tax	Ongoing	\$9,750	\$10,163	\$10,421	\$10,672	\$10,876

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Shared Use Paths (Page 2 of 2)

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Rio Salado Pathway Segment 3	Local Street Sales Tax	Ongoing	-	\$10,163	\$10,421	\$10,672	\$10,876
Rio Salado Pathway Segment 4	Local Street Sales Tax	Ongoing	\$9,750	\$10,163	\$10,421	\$10,672	\$10,876
Southeast Mesa Bike & Pedestrian Path	Local Street Sales Tax	Ongoing	-	\$20,325	\$20,842	\$21,344	\$21,752
Southeast Mesa Bike & Pedestrian Path, Segments 2-5	Local Street Sales Tax	Ongoing	-	-	-	-	\$54,045
West Mesa Connector Shared Use Path	Local Street Sales Tax	Ongoing	\$17,050	\$17,772	\$18,223	\$18,662	\$19,019
Total for Shared Use Paths			\$72,200	\$115,262	\$133,954	\$137,182	\$239,917

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Transit

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Gilbert Road Light Rail Extension	Transit Fund	Ongoing	-	-	\$2,554,456	\$4,012,694	\$4,089,313
Total for Transit			-	-	\$2,554,456	\$4,012,694	\$4,089,313

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2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Wastewater Customer Demand in Southeast Mesa

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Greenfield Water Reclamation Plant Expansion	Enterprise - Wastewater	Ongoing	\$4,022	\$57,215	\$151,420	\$1,301,551	\$1,322,673
	Greenfield Joint Venture	Ongoing	\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222
Total for Wastewater Customer Demand in Southeast Mesa			\$13,597	\$193,440	\$511,944	\$4,400,483	\$4,471,895

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.

2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Water Customer Demand in Southeast Mesa

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Desert Well 19	Enterprise – Capital	One Time	-	\$43,283	-	-	-
	Enterprise- Water	Ongoing	-	\$132,148	\$130,161	\$133,298	\$135,843
Desert Well 20 Drill and Equip	Enterprise – Water	Ongoing	-	\$54,335	\$55,715	\$57,058	\$58,147
New Groundwater Wells	Enterprise – Water	Ongoing	-	-	\$55,715	\$57,058	\$174,442
Signal Butte Water Treatment Plant	Enterprise – Capital	One Time	-	\$3,329,872	\$61,135	-	-
	Enterprise – Water	Ongoing	-	\$1,165,702	\$2,562,088	\$2,618,366	\$2,668,361
Total for Water Customer Demand in Southeast Mesa			-	\$4,725,340	\$2,864,814	\$2,865,780	\$3,036,793

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.

2017 -2021 Capital Improvement Program
 Program Summary – Start-up and Operational Expenses

Water Lifecycle

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
Brown Road WTP Upgrades	Enterprise – Water	Ongoing	-	-	-	-	\$62,148
Desert Well 18 Equip	Enterprise – Water	Ongoing	\$52,128	\$54,335	\$55,715	\$57,058	\$58,147
Total for Water Lifecycle			\$52,128	\$54,335	\$55,715	\$57,058	\$120,295

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.

2017 -2021 Capital Improvement Program
Program Summary – Start-up and Operational Expenses

Fund Summary

Project Description	Fund	Program Type	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	General Fund		\$938,591	\$1,561,659	\$2,230,938	\$3,944,740	\$4,354,289
	General Fund - Capital		\$104,051	-	-	-	-
	Cemetery		-	\$11,466	\$11,756	\$12,041	\$12,269
	Local Street Sales Tax		\$252,325	\$447,377	\$601,954	\$635,544	\$801,766
	Environmental Compliance Fund		\$10,000	\$504,674	\$605,114	\$488,346	\$497,672
	Enterprise		\$56,150	\$1,463,735	\$3,010,814	\$4,224,389	\$4,479,761
	Enterprise - Capital		-	\$3,373,155	\$61,135	-	-
	Transit Fund		-	-	\$2,554,456	\$4,012,694	\$4,089,313
	Greenfield Joint Venture		\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222
Total			\$1,370,692	\$7,498,291	\$9,436,691	\$16,416,686	\$17,384,292

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.

Economic Investment



Fiscal Years
2017-2021
City of Mesa, Arizona

Project Detail Pages

Economic Investment

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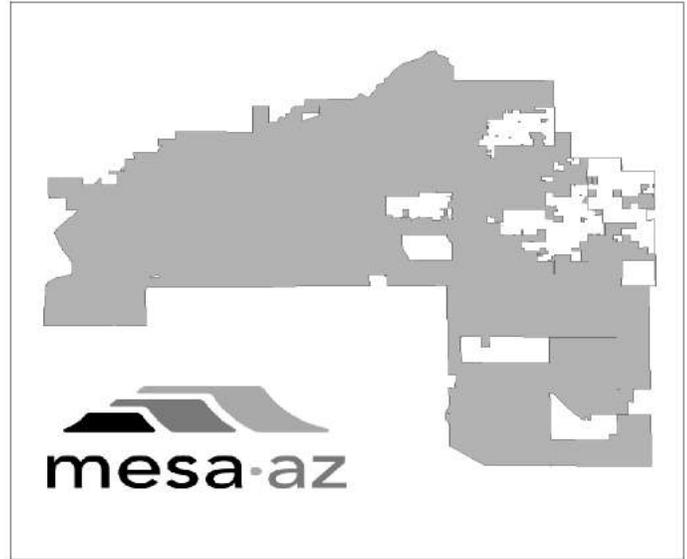
**Economic Investment Major Program Detail
Fiscal Years 2017 - 2021**

General Government

CN0017 - CIP Bond Issuance Cost

Project Description

Consultant fees for issuing bonds on behalf of the city.



City Wide

Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
1994 Solid Waste Bond	\$10,000	-	-	-	-	-	-	\$10,000
2010 Electric Bond	\$10,000	-	-	-	-	-	-	\$10,000
2010 Gas Bond	\$20,000	\$40,592	-	-	-	-	-	\$60,592
2010 Wastewater Bond	-	\$116,932	-	-	-	-	-	\$116,932
2012 Park Bond	\$140,000	\$77,250	-	-	-	-	-	\$217,250
2013 Public Safety Bond	\$1,000	\$97,014	-	-	-	-	-	\$98,014
2013 Street Bond	\$19,000	\$115,876	-	-	-	-	-	\$134,876
2014 Electric Bond	-	\$16,924	-	-	-	-	-	\$16,924
2014 Wastewater Bond	-	\$72,530	-	-	-	-	-	\$72,530
2014 Water Bond	\$120,000	\$435,178	-	-	-	-	-	\$555,178
Total:	\$320,000	\$972,296	-	-	-	-	-	\$1,292,296

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	\$320,000	\$972,296	-	-	-	-	-	\$1,292,296
Total	\$320,000	\$972,296	-	-	-	-	-	\$1,292,296

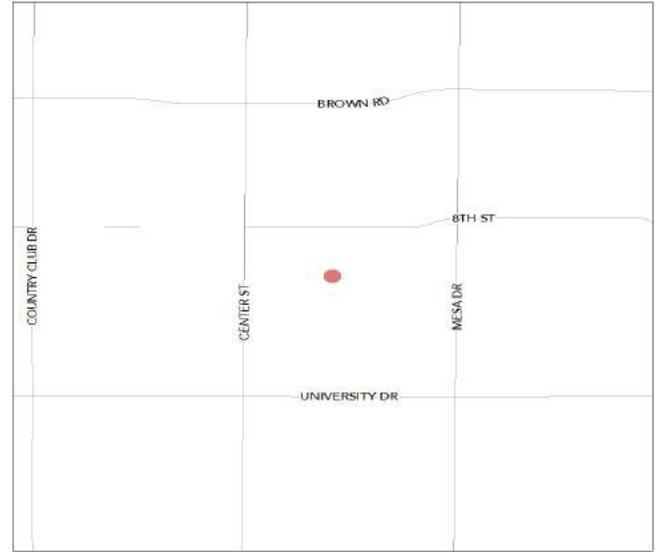
Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0683 - Fleet - West Restroom Renovation

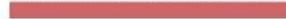
Project Description

Replace aging drain pipes under the building foundation and copper water supply pipe replacement. These pipes are deteriorating and may create structural damage to this facility. Replacement will prevent service disruptions.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$328,334	-	-	-	-	\$328,334
Total:	-	-	\$328,334	-	-	-	-	\$328,334

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$15,635	-	-	-	-	\$15,635
Construction	-	-	\$312,699	-	-	-	-	\$312,699
Total	-	-	\$328,334	-	-	-	-	\$328,334

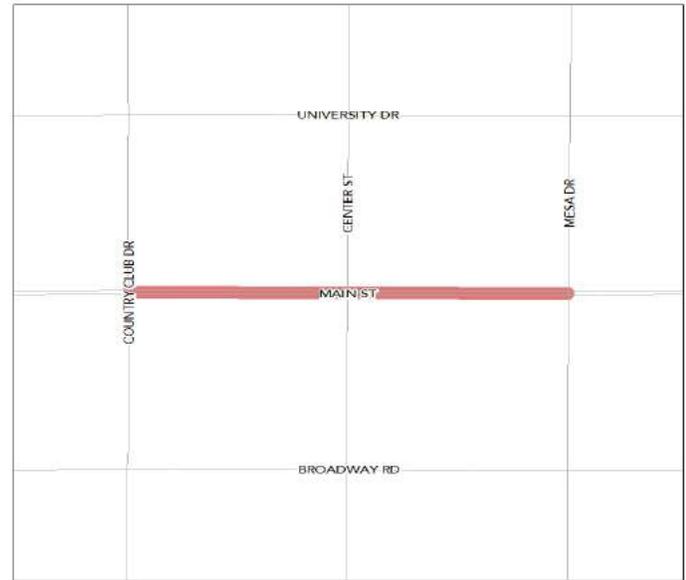
Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0688 - Gene Atry Clubhouse Septic System Abandonment

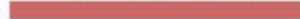
Project Description

Abandon the clubhouse septic system. The system is in need of replacement so the facility will be moved to City wastewater system.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$525,000	-	-	-	-	-	\$525,000
Total:	-	\$525,000	-	-	-	-	-	\$525,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$25,000	-	-	-	-	-	\$25,000
Construction	-	\$500,000	-	-	-	-	-	\$500,000
Total	-	\$525,000	-	-	-	-	-	\$525,000

Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0680 - Mesa City Plaza Plumbing Replacement

Project Description

Replace aging drain pipes throughout the Mesa City Plaza building. The pipe is beyond its life expectancy and leaking has occurred in several areas. Replacement is needed to prevent further damage and leaking within the building.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$114,656	-	-	-	-	\$114,656
Total:	-	-	\$114,656	-	-	-	-	\$114,656

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$10,423	-	-	-	-	\$10,423
Construction	-	-	\$104,233	-	-	-	-	\$104,233
Total	-	-	\$114,656	-	-	-	-	\$114,656

Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0679 - Police Central Building Drain Lines Replacement

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.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
Total:	-	\$210,000	-	-	-	-	-	\$210,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$10,000	-	-	-	-	-	\$10,000
Construction	-	\$200,000	-	-	-	-	-	\$200,000
Total	-	\$210,000	-	-	-	-	-	\$210,000

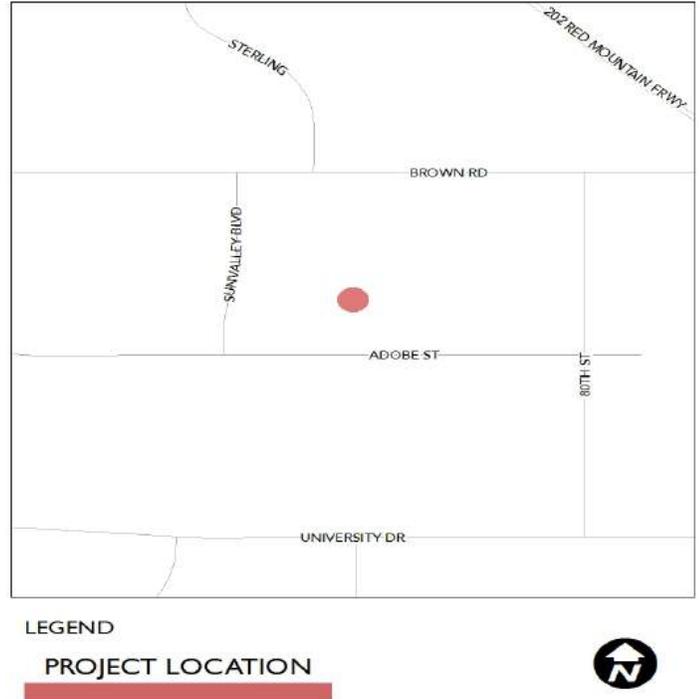
Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0686 - Red Mountain Multi-Generational Center Restroom Renovation

Project Description

Redesign of the drainage system in the restroom to correct ongoing leak issue. Replacement of shower/restroom fixtures as well as wall and floor will be necessary to bring the facility into acceptable condition.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$367,500	-	-	-	-	-	\$367,500
Total:	-	\$367,500	-	-	-	-	-	\$367,500

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$17,500	-	-	-	-	-	\$17,500
Construction	-	\$350,000	-	-	-	-	-	\$350,000
Total	-	\$367,500	-	-	-	-	-	\$367,500

Economic Investment Major Program Detail Fiscal Years 2017 - 2021

General Government

CP0687 - Red Mountain Multi-Generational Center Flooring Replacement

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$525,000	-	-	-	-	-	\$525,000
Total:	-	\$525,000	-	-	-	-	-	\$525,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$25,000	-	-	-	-	-	\$25,000
Construction	-	\$500,000	-	-	-	-	-	\$500,000
Total	-	\$525,000	-	-	-	-	-	\$525,000

Economic Investment Major Program Detail Fiscal Years 2017 - 2021

HEAT Initiative

CP0721 - Feasibility Study - 20 E Main Rooftop Restaurant

Project Description

Conduct a study exploring the opportunities for additional economic development in the downtown area.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$12,600	-	-	-	-	-	\$12,600
Total:	-	\$12,600	-	-	-	-	-	\$12,600

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$600	-	-	-	-	-	\$600
Design	-	\$12,000	-	-	-	-	-	\$12,000
Total	-	\$12,600	-	-	-	-	-	\$12,600



City of Mesa

Five-Year Capital Improvement Program
FY 2017 - 2021

ECONOMIC DEVELOPMENT PROJECTS

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

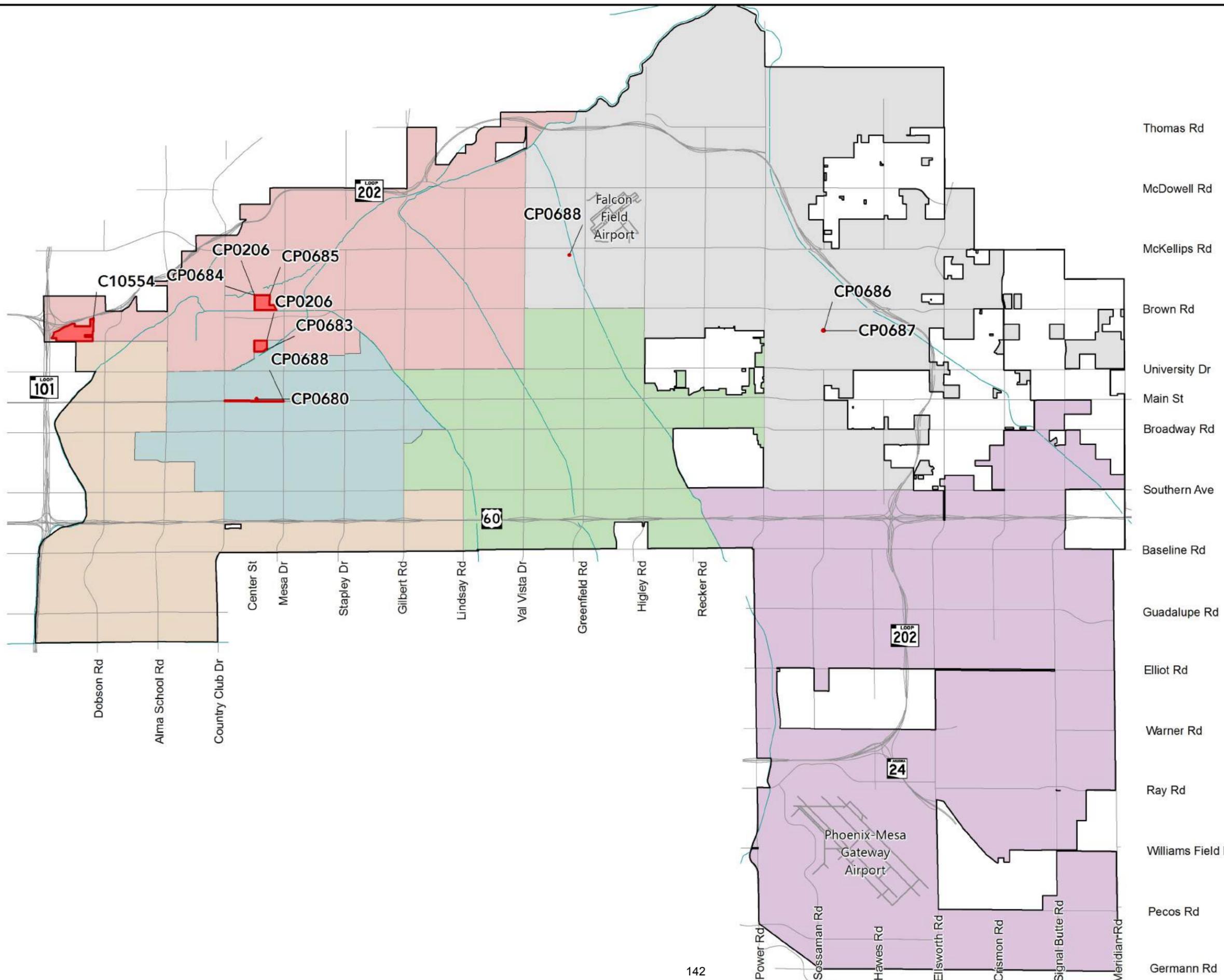
Citywide, External or Location TBD Projects

CN0017



MAP CREATION DATE: 6/23/2016
MAP CREATED BY: Engineering-GIS

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Parks and Culture



Fiscal Years
2017-2021
City of Mesa, Arizona

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Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Arts And Culture

CP0213 - Museum & Cultural Resource Expansion (Federal Building)

Project Description

Renovate the old Federal Building in Downtown Mesa to allow for expansion of museum exhibit space, offices, and museum collection processing and storage.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000
Total:	\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$100,585	\$100,422	-	-	-	-	-	\$201,007
Construction	\$2,536,657	\$1,908,026	-	-	-	-	-	\$4,444,683
Design	\$347,311	-	-	-	-	-	-	\$347,311
Direct Expenses	\$7,000	-	-	-	-	-	-	\$7,000
Total	\$2,991,552	\$2,008,448	-	-	-	-	-	\$5,000,000

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Cemetery Reserve	-	\$953,000	-	-	-	-	-	\$953,000
Total:	-	\$953,000	-	-	-	-	-	\$953,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$48,000	-	-	-	-	-	\$48,000
Construction	-	\$905,000	-	-	-	-	-	\$905,000
Total	-	\$953,000	-	-	-	-	-	\$953,000

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Cemetery	-	-	\$11,466	\$11,756	\$12,041	\$12,269	\$52,283	\$99,815
Total:	-	-	\$11,466	\$11,756	\$12,041	\$12,269	\$52,283	\$99,815

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Cemetery

CP0712 - Future Cemetery Expansion

Project Description

Expand the City cemetery in the future to meet growth demand.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Years	Totals
Cemetery Reserve	-	-	-	-	\$17,887	\$356,981	-	\$374,868
Total:	-	-	-	-	\$17,887	\$356,981	-	\$374,868

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	\$854	\$17,290	-	\$18,144
Construction	-	-	-	-	-	\$339,691	-	\$339,691
Design	-	-	-	-	\$17,033	-	-	\$17,033
Total	-	-	-	-	\$17,887	\$356,981	-	\$374,868

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Hohokam Stadium / Fitch Park

CP0717 - Hohokam Stadium Capital Improvements

Project Description

In compliance with the Facility Use Agreement with the Oakland A's, the City will complete their portion of appropriate agreed upon capital improvements needed at Hohokam Park and/or the Fitch practice facility.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Hohokam/Fitch Sports Complex	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854
Total:	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854
Total	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Hohokam Stadium / Fitch Park

CP0684 - Hohokam Stadium Dug-Out Elevator Replacement

Project Description

Replace the current elevators in the dug-out area. The elevators are inoperable and have failed beyond repair. They are an original component of the stadium and do not meet ADA requirements.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Hohokam/Fitch Sports Complex	-	\$105,000	-	-	-	-	-	\$105,000
Total:	-	\$105,000	-	-	-	-	-	\$105,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$5,000	-	-	-	-	-	\$5,000
Construction	-	\$100,000	-	-	-	-	-	\$100,000
Total	-	\$105,000	-	-	-	-	-	\$105,000

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Hohokam Stadium / Fitch Park

CP0685 - Hohokam Stadium Structural/Concrete Evaluation Study

Project Description

Conduct study to provide guidance for repairing of cracking in the concrete. The study will also provide cost estimate for the work which needs to be performed to address safety concerns.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$109,445	-	-	-	-	\$109,445
Total:	-	-	\$109,445	-	-	-	-	\$109,445

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$5,212	-	-	-	-	\$5,212
Construction	-	-	\$104,233	-	-	-	-	\$104,233
Total	-	-	\$109,445	-	-	-	-	\$109,445

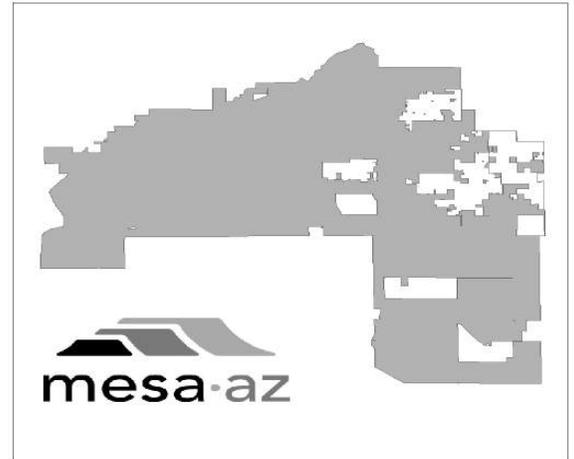
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0298 - Baseball Lighting

Project Description

Replacing wooden light poles and inefficient sports light fixtures at 13 parks and school community use sports fields throughout Mesa. The new poles will be steel and the replacement fixtures will be more energy efficient.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$4,351,750	\$1,200	-	-	-	-	-	\$4,352,950
Future Park Bond	-	-	-	\$497,141	\$504,898	\$515,614	-	\$1,517,653
Restricted Programs Fund	-	\$23,667	-	-	-	-	-	\$23,667
Total:	\$4,351,750	\$24,867	-	\$497,141	\$504,898	\$515,614	-	\$5,894,270

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$188,046	\$1,200	-	\$23,728	\$24,299	\$24,763	-	\$262,036
Construction	\$4,019,776	\$23,667	-	\$427,000	\$433,067	\$442,412	-	\$5,345,922
Design	\$143,928	-	-	\$46,413	\$47,532	\$48,439	-	\$286,312
Total	\$4,351,750	\$24,867	-	\$497,141	\$504,898	\$515,614	-	\$5,894,270

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

CP0211 - Eagles Park

Project Description

Construct a 30-acre community park on the former Mesa Junior High property with lighted multiuse/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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$206,604	\$3,021,985	-	-	-	-	-	\$3,228,589
Total:	\$206,604	\$3,021,985	-	-	-	-	-	\$3,228,589

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$6,916	\$274,380	-	-	-	-	-	\$281,296
Construction	\$9,649	\$2,747,605	-	-	-	-	-	\$2,757,254
Design	\$189,931	-	-	-	-	-	-	\$189,931
Direct Expenses	\$108	-	-	-	-	-	-	\$108
Total	\$206,604	\$3,021,985	-	-	-	-	-	\$3,228,589

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$247,217	\$253,497	\$259,607	\$264,564	\$1,127,295	\$2,152,180
General Fund	-	-	\$464,492	\$476,445	\$487,928	\$497,244	\$2,118,734	\$4,044,843
Total:	-	-	\$711,709	\$729,942	\$747,535	\$761,808	\$3,246,029	\$6,197,023

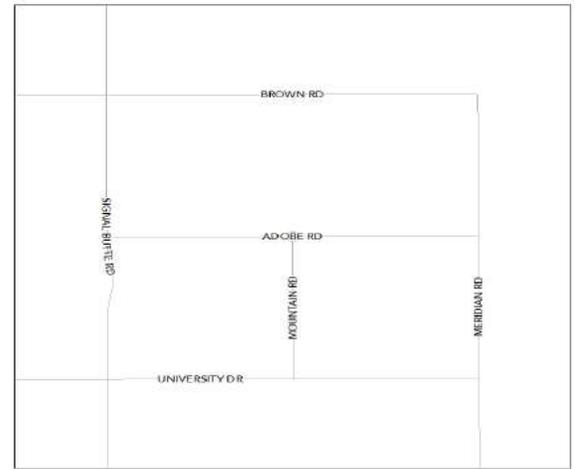
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

C10017 - East District Neighborhood Park at Mountain & Adobe

Project Description

Construct a neighborhood park with play features and picnic facilities on this City-owned parcel adjacent to Sousa Elementary.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Park Bond	-	-	-	-	-	\$569,594	\$1,964,621	\$2,534,215
Total:	-	-	-	-	-	\$569,594	\$1,964,621	\$2,534,215

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$27,106	\$93,591	\$120,697
Construction	-	-	-	-	-	-	\$1,871,030	\$1,871,030
Design	-	-	-	-	-	\$542,488	-	\$542,488
Total	-	-	-	-	-	\$569,594	\$1,964,621	\$2,534,215

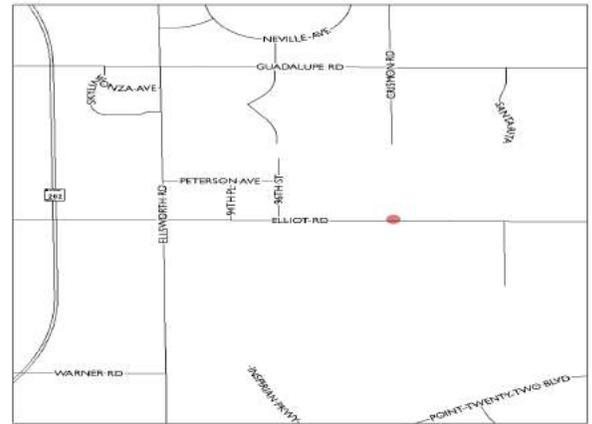
Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

C10037 - Elliot & Crismon Soccer Fields Development

Project Description

Construct a new community park with multiple lighted multi-purpose sports fields, parking, and restroom facilities on the City-owned parcel between existing basin parks. The primary use is anticipated to be soccer.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Park Bond	-	-	-	-	-	\$7,292,996	\$22,874,755	\$30,167,751
Total:	-	-	-	-	-	\$7,292,996	\$22,874,755	\$30,167,751

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$347,302	\$1,089,304	\$1,436,606
Construction	-	-	-	-	-	-	\$21,785,451	\$21,785,451
Design	-	-	-	-	-	\$6,945,694	-	\$6,945,694
Total	-	-	-	-	-	\$7,292,996	\$22,874,755	\$30,167,751

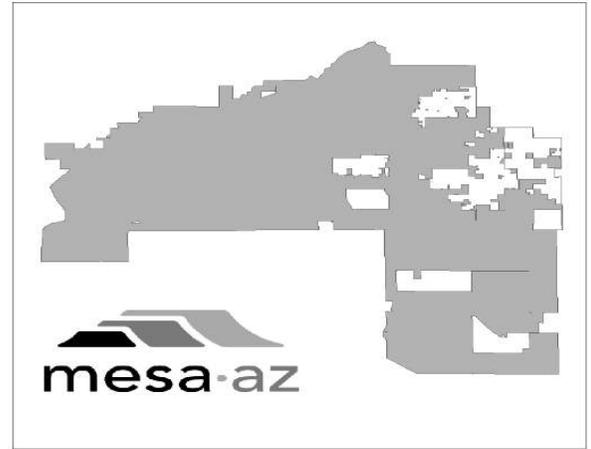
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

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. Seven sites are targeted for major renovations; many others for minor improvements.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$974,341	-	-	-	-	-	-	\$974,341
Capital - General Fund	\$114,871	\$161,716	\$1,563,495	\$2,137,620	\$2,189,140	\$836,603	\$3,366,186	\$10,369,631
Total:	\$1,089,212	\$161,716	\$1,563,495	\$2,137,620	\$2,189,140	\$836,603	\$3,366,186	\$11,343,972

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$27,122	\$8,085	\$74,453	\$101,791	\$104,245	\$39,838	\$160,295	\$515,829
Construction	\$1,048,912	\$153,631	\$1,489,042	\$2,035,829	\$2,084,895	\$796,765	\$3,205,891	\$10,814,965
Design	\$13,178	-	-	-	-	-	-	\$13,178
Total	\$1,089,212	\$161,716	\$1,563,495	\$2,137,620	\$2,189,140	\$836,603	\$3,366,186	\$11,343,972

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0226 - Existing Park Improvements

Project Description

Construct future improvements to existing features in the park system such as playgrounds, sports fields, irrigation systems, and recreation centers. Specific projects will be identified based on programming needs and funding.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Total:	-							-

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Total	-							

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$42,752	\$43,783	\$44,619	\$190,118	\$321,272
General Fund	-	-	-	\$566,469	\$580,122	\$591,199	\$2,519,074	\$4,256,864
Total:	-	-	-	\$609,221	\$623,905	\$635,818	\$2,709,192	\$4,578,136

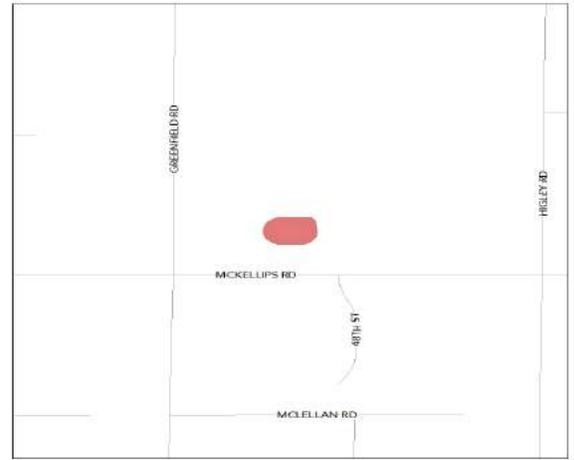
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0441 - Falcon Field Park Renovation

Project Description

Renovate City park at Falcon Field Airport.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Park Bond	-	-	-	-	-	\$1,288,365	\$4,041,465	\$5,329,830
Total:	-	-	-	-	-	\$1,288,365	\$4,041,465	\$5,329,830

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$61,351	\$192,888	\$254,239
Construction	-	-	-	-	-	-	\$3,848,577	\$3,848,577
Design	-	-	-	-	-	\$1,227,014	-	\$1,227,014
Total	-	-	-	-	-	\$1,288,365	\$4,041,465	\$5,329,830

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0010 - Greenfield Park Urban Fishing Lake

Project Description

Expand the lake to create a 5-acre urban fishing lake and upgrade the playground at the existing Greenfield Park. Improvements will lower irrigation costs for the park landscaping while improving the recreational opportunities.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	-	\$3,168,081	-	-	-	-	-	\$3,168,081
Total:	-	\$3,168,081	-	-	-	-	-	\$3,168,081

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$3,083,055	-	-	-	-	-	\$3,083,055
Design	-	\$80,582	-	-	-	-	-	\$80,582
Direct Expenses	-	\$4,444	-	-	-	-	-	\$4,444
Total	-	\$3,168,081	-	-	-	-	-	\$3,168,081

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$94,851	\$97,261	\$99,605	\$101,507	\$432,517	\$825,741
General Fund	-	-	\$118,470	\$121,441	\$124,368	\$126,743	\$540,047	\$1,031,069
Total:	-	-	\$213,321	\$218,702	\$223,973	\$228,250	\$972,564	\$1,856,810

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

CP0553 - Kleinman Park

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	-	\$1,213,095	-	-	-	-	-	\$1,213,095
Total:	-	\$1,213,095	-	-	-	-	-	\$1,213,095

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$55,000	-	-	-	-	-	\$55,000
Construction	-	\$1,158,095	-	-	-	-	-	\$1,158,095
Total	-	\$1,213,095	-	-	-	-	-	\$1,213,095

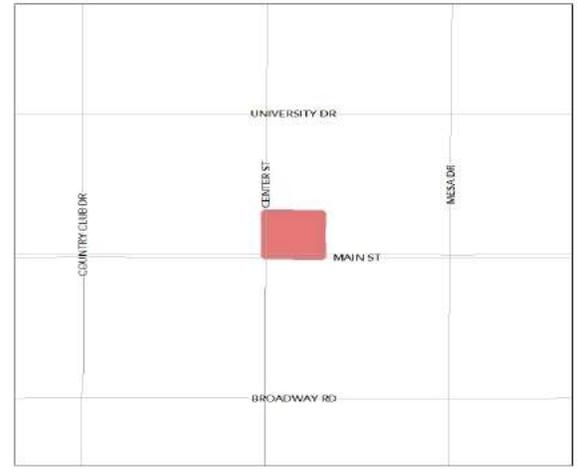
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0013 - Mesa City Center

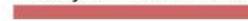
Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$741,458	-	-	-	-	-	-	\$741,458
Future Park Bond	-	-	-	-	-	\$18,511,512	\$60,595,629	\$79,107,141
Total:	\$741,458	-	-	-	-	\$18,511,512	\$60,595,629	\$79,848,599

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$29,586	-	-	-	-	\$881,500	\$2,885,486	\$3,796,572
Construction	-	-	-	-	-	-	\$57,710,143	\$57,710,143
Design	\$711,872	-	-	-	-	\$17,630,012	-	\$18,341,884
Total	\$741,458	-	-	-	-	\$18,511,512	\$60,595,629	\$79,848,599

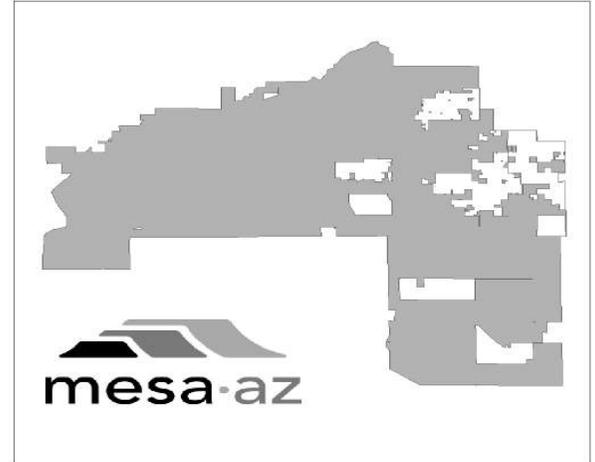
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$96,000	-	-	-	-	-	-	\$96,000
Capital - General Fund	\$541,833	\$183,641	\$82,084	\$84,169	\$86,198	\$87,843	\$203,646	\$1,269,414
Total:	\$637,833	\$183,641	\$82,084	\$84,169	\$86,198	\$87,843	\$203,646	\$1,365,414

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$22,376	\$9,200	\$3,909	\$4,008	\$4,105	\$4,183	\$9,697	\$57,478
Construction	\$601,688	\$174,441	\$78,175	\$80,161	\$82,093	\$83,660	\$193,949	\$1,294,167
Design	\$13,770	-	-	-	-	-	-	\$13,770
Total	\$637,833	\$183,641	\$82,084	\$84,169	\$86,198	\$87,843	\$203,646	\$1,365,414

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0007 - Monterey Park Expansion

Project Description

Expand Monterey Park through land acquisition and construction of additional amenities and parking. These improvements will be completed in phases as funding is identified.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$3,610,683	-	-	-	-	-	-	\$3,610,683
Capital - General Fund	\$0	-	-	-	-	-	-	\$0
Environmental Compliance Fee	\$37,793	-	-	-	-	-	-	\$37,793
Future Park Bond	-	-	-	-	-	\$585,622	\$5,392,879	\$5,978,501
Total:	\$3,648,476	-	-	-	-	\$585,622	\$5,392,879	\$9,626,977

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$114,685	-	-	-	-	\$27,887	\$256,804	\$399,376
Construction	\$159,263	-	-	-	-	-	\$5,136,075	\$5,295,338
Design	\$708	-	-	-	-	\$557,735	-	\$558,443
Land Acquisition	\$3,373,819	-	-	-	-	-	-	\$3,373,819
Total	\$3,648,476	-	-	-	-	\$585,622	\$5,392,879	\$9,626,977

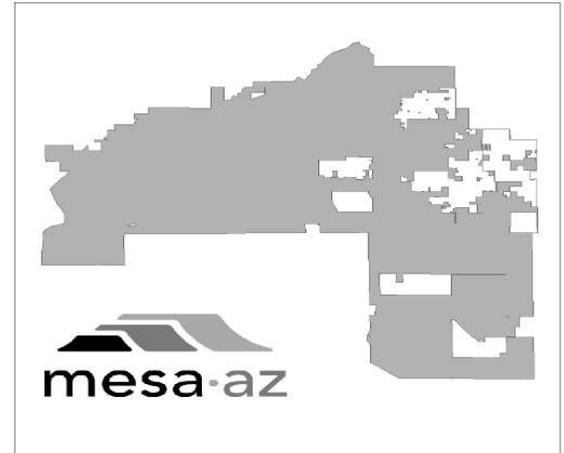
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CN0009 - Parks Irrigation Controllers

Project Description

Upgrade 170 existing irrigation controllers and parts throughout the City's park system which are reaching the end of their service life. Replacement parts for the old units are no longer available. Upgraded units are being phased in.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$1,103,386	\$250,000	-	-	-	-	-	\$1,353,386
Capital - General Fund	\$894,791	-	\$271,006	\$277,891	-	-	-	\$1,443,688
Total:	\$1,998,177	\$250,000	\$271,006	\$277,891	-	-	-	\$2,797,074

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$39,057	-	-	-	-	-	-	\$39,057
Construction	\$1,077,188	-	-	-	-	-	-	\$1,077,188
Direct Expenses	-	\$250,000	\$271,006	\$277,891	-	-	-	\$798,897
Purchases	\$881,932	-	-	-	-	-	-	\$881,932
Total	\$1,998,177	\$250,000	\$271,006	\$277,891	-	-	-	\$2,797,074

**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

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.



LEGEND

PROJECT LOCATION



Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$4,007,685	\$3,942,315	-	-	-	-	-	\$7,950,000
Total:	\$4,007,685	\$3,942,315	-	-	-	-	-	\$7,950,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$117,903	\$197,116	-	-	-	-	-	\$315,019
Construction	\$3,551,407	\$3,745,199	-	-	-	-	-	\$7,296,606
Design	\$331,370	-	-	-	-	-	-	\$331,370
Direct Expenses	\$7,005	-	-	-	-	-	-	\$7,005
Total	\$4,007,685	\$3,942,315	-	-	-	-	-	\$7,950,000

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
General Fund	-	\$355,974	\$371,055	\$380,481	\$389,652	\$397,092	\$1,691,992	\$3,586,246
Total:	-	\$355,974	\$371,055	\$380,481	\$389,652	\$397,092	\$1,691,992	\$3,586,246

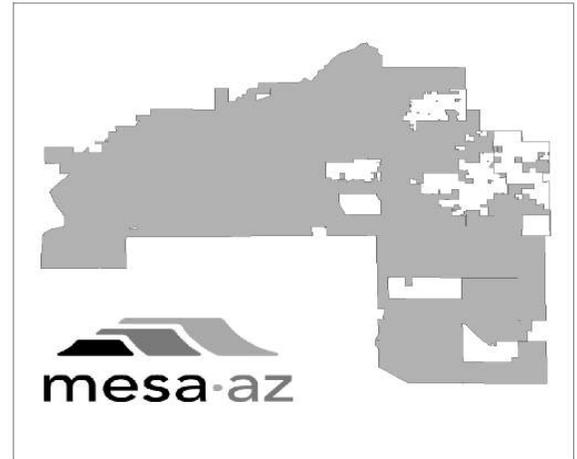
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

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. About 8 sites are targeted for full renovation and others for minor improvements.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$1,164,200	-	-	-	-	-	-	\$1,164,200
Capital - General Fund	\$752,700	\$360,000	\$54,723	\$446,449	\$246,657	\$585,622	\$2,494,793	\$4,940,944
Total:	\$1,916,900	\$360,000	\$54,723	\$446,449	\$246,657	\$585,622	\$2,494,793	\$6,105,144

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$67,091	\$18,000	\$2,606	\$21,260	\$11,746	\$27,887	\$118,800	\$267,390
Construction	\$1,849,809	\$342,000	\$52,117	\$425,189	\$234,911	\$557,735	\$2,375,993	\$5,837,754
Total	\$1,916,900	\$360,000	\$54,723	\$446,449	\$246,657	\$585,622	\$2,494,793	\$6,105,144

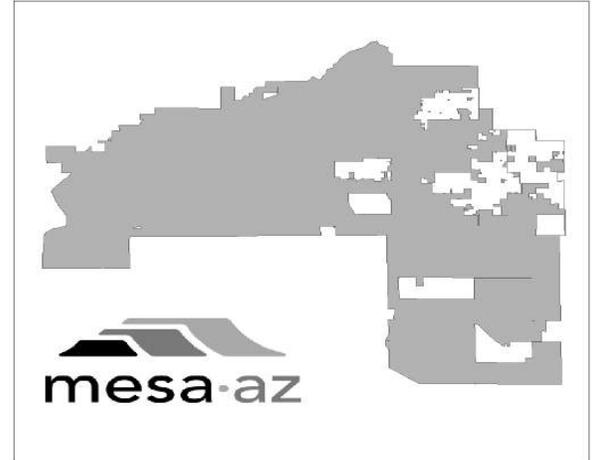
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

Parks & Recreation

CP0487 - Pool Improvements

Project Description

Routine pool maintenance to existing facilities such as filter replacements and pool replastering as facilities reach the end of service life. Minor upgrades to existing pools are also planned such as deck drain improvements and shade replacements.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$265,000	-	-	-	-	-	-	\$265,000
Capital - General Fund	\$235,000	\$245,000	\$390,874	-	\$2,626,968	\$1,003,923	\$2,839,554	\$7,341,319
Total:	\$500,000	\$245,000	\$390,874	-	\$2,626,968	\$1,003,923	\$2,839,554	\$7,606,319

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$17,500	\$12,250	\$18,613	-	\$125,094	\$47,806	\$135,217	\$356,480
Construction	\$482,500	\$232,750	\$372,261	-	\$2,501,874	\$956,117	\$2,704,337	\$7,249,839
Total	\$500,000	\$245,000	\$390,874	-	\$2,626,968	\$1,003,923	\$2,839,554	\$7,606,319

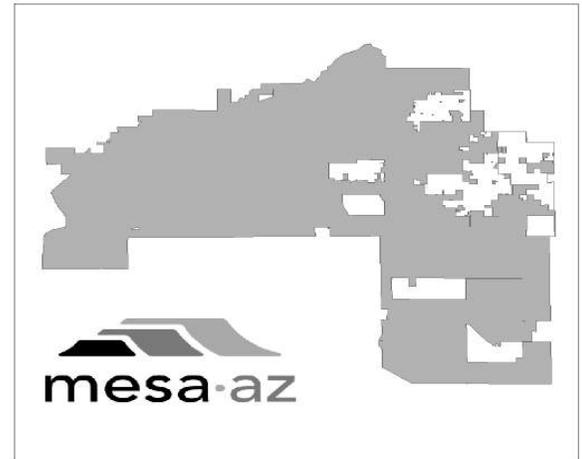
**Parks & Culture Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$357,500	-	-	-	-	-	-	\$357,500
Capital - General Fund	-	\$460,950	\$104,233	\$374,084	\$54,728	\$145,011	\$290,098	\$1,429,104
Total:	\$357,500	\$460,950	\$104,233	\$374,084	\$54,728	\$145,011	\$290,098	\$1,786,604

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$12,512	\$23,100	\$4,964	\$17,814	\$2,606	\$6,905	\$13,814	\$81,715
Construction	\$344,988	\$437,850	\$99,269	\$356,270	\$52,122	\$138,106	\$276,284	\$1,704,889
Total	\$357,500	\$460,950	\$104,233	\$374,084	\$54,728	\$145,011	\$290,098	\$1,786,604

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

C10038 - Red Mountain Park Development

Project Description

Expand Red Mountain Park to meet community needs. Possible amenities include picnic facilities, play features, sports fields, and support amenities like parking and restrooms.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Park Bond	-	-	-	-	-	\$565,097	\$41,266,442	\$41,831,539
Total:	-	-	-	-	-	\$565,097	\$41,266,442	\$41,831,539

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$26,883	\$1,965,078	\$1,991,961
Construction	-	-	-	-	-	-	\$37,539,120	\$37,539,120
Design	-	-	-	-	-	\$538,214	\$1,762,244	\$2,300,458
Total	-	-	-	-	-	\$565,097	\$41,266,442	\$41,831,539

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

CP0707 - Signal Butte & Elliot Park Phase II

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Park Bond	-	-	-	-	-	\$702,746	\$6,471,455	\$7,174,201
Total:	-	-	-	-	-	\$702,746	\$6,471,455	\$7,174,201

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$33,464	\$308,165	\$341,629
Construction	-	-	-	-	-	-	\$6,163,290	\$6,163,290
Design	-	-	-	-	-	\$669,282	-	\$669,282
Total	-	-	-	-	-	\$702,746	\$6,471,455	\$7,174,201

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

CP0121 - Signal Butte & Elliot Park Development

Project Description

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



LEGEND

PROJECT LOCATION



Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$259	\$147,000	\$1,252,996	-	-	-	-	\$1,400,255
Capital - General Fund	\$3,197	-	-	-	-	-	-	\$3,197
Total:	\$3,456	\$147,000	\$1,252,996	-	-	-	-	\$1,403,452

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$160	\$7,000	\$62,644	-	-	-	-	\$69,804
Construction	\$427	-	\$1,187,225	-	-	-	-	\$1,187,652
Design	\$2,869	\$140,000	-	-	-	-	-	\$142,869
Direct Expenses	-	-	\$3,127	-	-	-	-	\$3,127
Total	\$3,456	\$147,000	\$1,252,996	-	-	-	-	\$1,403,452

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$60,899	\$62,366	\$63,557	\$270,816	\$457,638
General Fund	-	-	-	\$63,023	\$64,697	\$65,932	\$280,934	\$474,586
Total:	-	-	-	\$123,922	\$127,063	\$129,489	\$551,750	\$932,224

Parks & Culture Major Program Detail Fiscal Years 2017 - 2021

Parks & Recreation

CP0716 - Sloan Park Capital Improvements

Project Description

In compliance with the Facility Use Agreement with the Chicago Cubs, the City will complete their portion of appropriate agreed upon capital improvements needed at Sloan Park and/or the adjacent practice fields.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Cubs Spring Training Facility	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854
Total:	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854
Total	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$118,825	\$251,854



Public Safety



Fiscal Years
2017-2021
City of Mesa, Arizona

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Public Safety

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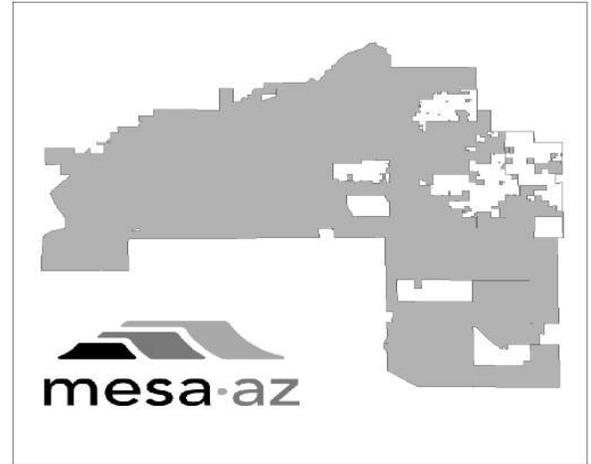
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CP0101 - Emergency Generator Replacement

Project Description

Replace emergency generators at Fire Stations that currently do not have up to date emergency generators. Older Fire Stations have outdated generators that do not provide full electric backup to the facilities.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$547,765	\$560,967	-	-	\$1,108,732
Total:	-	-	-	\$547,765	\$560,967	-	-	\$1,108,732

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	\$547,765	\$560,967	-	-	\$1,108,732
Total	-	-	-	\$547,765	\$560,967	-	-	\$1,108,732

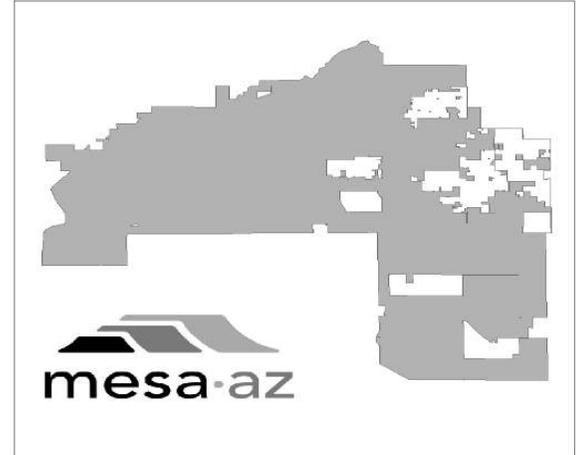
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CN0002 - Fire Apparatus

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Public Safety Bond	\$8,017,716	\$1,043,247	-	-	-	-	-	\$9,060,963
Capital - General Fund	\$311,685	\$210,000	-	-	-	-	-	\$521,685
Future Public Safety Bonds	-	-	-	\$8,138,641	\$4,424,708	\$4,789,873	\$14,703,124	\$32,056,346
Total:	\$8,329,401	\$1,253,247	-	\$8,138,641	\$4,424,708	\$4,789,873	\$14,703,124	\$41,638,994

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	\$8,329,401	\$1,253,247	-	\$8,138,641	\$4,424,708	\$4,789,873	\$14,703,124	\$41,638,994
Total	\$8,329,401	\$1,253,247	-	\$8,138,641	\$4,424,708	\$4,789,873	\$14,703,124	\$41,638,994

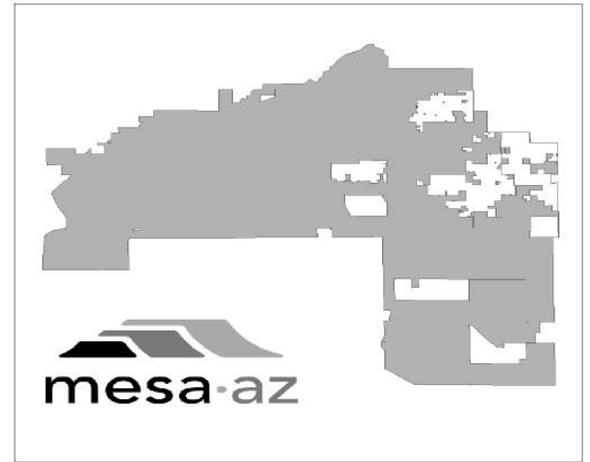
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CP0097 - Fire Operations Center

Project Description

Construct a replacement Fire Administration facility to meet the needs of the Fire and Medical Department.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	\$3,666,262	\$13,233,295	-	\$16,899,557
Total:	-	-	-	-	\$3,666,262	\$13,233,295	-	\$16,899,557

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$174,584	\$630,157	-	\$804,741
Construction	-	-	-	-	\$2,189,140	\$12,549,038	-	\$14,738,178
Design	-	-	-	-	\$1,231,391	-	-	\$1,231,391
Direct Expenses	-	-	-	-	\$71,147	\$54,100	-	\$125,247
Total	-	-	-	-	\$3,666,262	\$13,233,295	-	\$16,899,557

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

C10120 - Fire Station 205: Rebuild

Project Description

Renovate Fire Station 205 to modify or expand the existing facility to accommodate current Fire operational needs.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$2,635,605	\$5,602,830	-	-	\$8,238,435
Total:	-	-	-	\$2,635,605	\$5,602,830	-	-	\$8,238,435

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$125,505	\$266,801	-	-	\$392,306
Construction	-	-	-	-	\$5,336,029	-	-	\$5,336,029
Design	-	-	-	\$2,444,903	-	-	-	\$2,444,903
Direct Expenses	-	-	-	\$65,197	-	-	-	\$65,197
Total	-	-	-	\$2,635,605	\$5,602,830	-	-	\$8,238,435

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CP0102 - Fire Station 221: Eastmark

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$657,818	\$6,089,559	-	-	\$6,747,377
Total:	-	-	-	\$657,818	\$6,089,559	-	-	\$6,747,377

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$31,325	\$289,979	-	-	\$321,304
Construction	-	-	-	-	\$5,746,493	-	-	\$5,746,493
Design	-	-	-	\$561,125	-	-	-	\$561,125
Direct Expenses	-	-	-	\$65,368	\$53,087	-	-	\$118,455
Total	-	-	-	\$657,818	\$6,089,559	-	-	\$6,747,377

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Funding To Be Determined	-	-	-	-	\$1,659,877	\$1,763,121	\$7,512,580	\$10,935,578
Total:	-	-	-	-	\$1,659,877	\$1,763,121	\$7,512,580	\$10,935,578

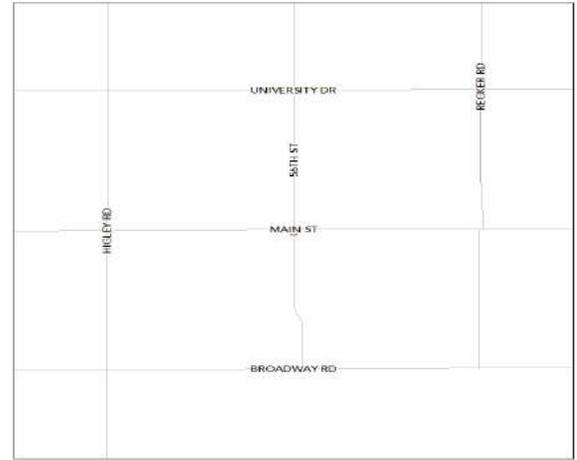
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

C10119 - Fire Station 222: Battalion Headquarters

Project Description

Build a new fire station, at an east Mesa location to be determined.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	-	\$2,575,166	\$7,698,034	\$10,273,200
Total:	-	-	-	-	-	\$2,575,166	\$7,698,034	\$10,273,200

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$122,627	\$366,573	\$489,200
Construction	-	-	-	-	-	\$1,673,205	\$7,276,106	\$8,949,311
Design	-	-	-	-	-	\$711,112	-	\$711,112
Direct Expenses	-	-	-	-	-	\$68,222	\$55,355	\$123,577
Total	-	-	-	-	-	\$2,575,166	\$7,698,034	\$10,273,200

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

C10128 - Fire Station 224: NE Mesa

Project Description

Construct a new fire station in northeast Mesa to better serve the City.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	-	\$686,536	\$6,349,815	\$7,036,351
Total:	-	-	-	-	-	\$686,536	\$6,349,815	\$7,036,351

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$32,692	\$302,372	\$335,064
Construction	-	-	-	-	-	-	\$5,992,088	\$5,992,088
Design	-	-	-	-	-	\$585,622	-	\$585,622
Direct Expenses	-	-	-	-	-	\$68,222	\$55,355	\$123,577
Total	-	-	-	-	-	\$686,536	\$6,349,815	\$7,036,351

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

C10121 - Fire Stations 209, 210: Expansion

Project Description

Renovate the existing apparatus bays to better serve the operational needs of the department and provide a general update of the 28-year old fire stations.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$200,527	\$1,379,158	-	-	\$1,579,685
Total:	-	-	-	\$200,527	\$1,379,158	-	-	\$1,579,685

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$9,549	\$65,674	-	-	\$75,223
Construction	-	-	-	\$190,978	\$1,313,484	-	-	\$1,504,462
Total	-	-	-	\$200,527	\$1,379,158	-	-	\$1,579,685

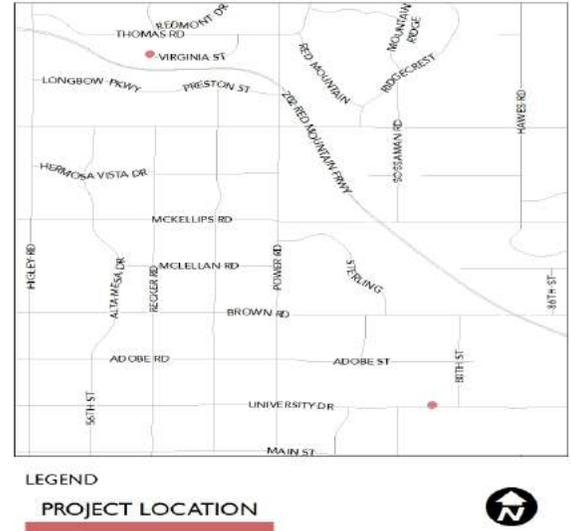
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

C10421 - Fire Stations 213, 214: Expansion

Project Description

Renovate the existing apparatus bays to better serve the operational needs of the department and provide a general update of the old fire stations.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$573,190	\$4,740,856	-	-	\$5,314,046
Total:	-	-	-	\$573,190	\$4,740,856	-	-	\$5,314,046

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$27,295	\$225,755	-	-	\$253,050
Construction	-	-	-	-	\$4,515,101	-	-	\$4,515,101
Design	-	-	-	\$440,884	-	-	-	\$440,884
Direct Expenses	-	-	-	\$105,011	-	-	-	\$105,011
Total	-	-	-	\$573,190	\$4,740,856	-	-	\$5,314,046

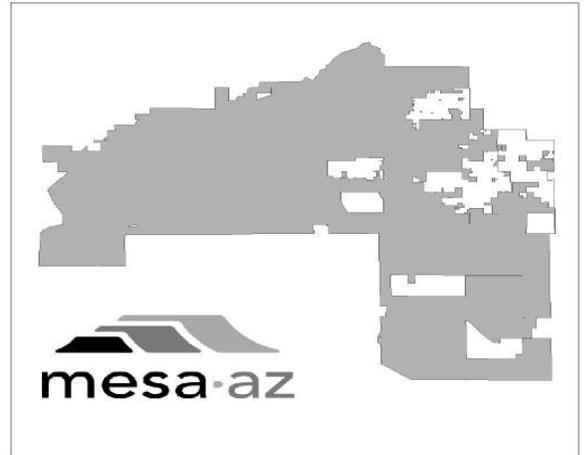
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CP0103 - Fire Stations: Land Acquisition for New Stations

Project Description

Acquire land for future fire stations. The Fire department has identified the need for 3 stations, sites to be determined.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	\$2,736,425	-	-	\$2,736,425
Total:	-	-	-	-	\$2,736,425	-	-	\$2,736,425

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	-	\$2,736,425	-	-	\$2,736,425
Total	-	-	-	-	\$2,736,425	-	-	\$2,736,425

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Fire

CP0340 - Mesa Regional Dispatch and Emergency Operations Center

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2008 Public Safety Bond	-	\$1,000,000	-	-	-	-	-	\$1,000,000
2013 Public Safety Bond	\$1,300,926	\$7,296,374	-	-	-	-	-	\$8,597,300
Total:	\$1,300,926	\$8,296,374	-	-	-	-	-	\$9,597,300

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$48,625	\$413,268	-	-	-	-	-	\$461,893
Construction	\$332	\$7,867,606	-	-	-	-	-	\$7,867,938
Design	\$241,640	-	-	-	-	-	-	\$241,640
Direct Expenses	\$333	\$15,500	-	-	-	-	-	\$15,833
Purchases	\$1,009,995	-	-	-	-	-	-	\$1,009,995
Total	\$1,300,926	\$8,296,374	-	-	-	-	-	\$9,597,300

Public Safety Major Program Detail Fiscal Years 2017 - 2021

Police

CP0540 - Central Basement Refurbishment

Project Description

Refurbish the Central substation basement would create new work areas and update existing flooring as well as renovate the current pump room.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$350,680	\$3,275,396	-	-	\$3,626,076
Total:	-	-	-	\$350,680	\$3,275,396	-	-	\$3,626,076

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$16,699	\$155,971	-	-	\$172,670
Construction	-	-	-	-	\$3,119,425	-	-	\$3,119,425
Design	-	-	-	\$333,981	-	-	-	\$333,981
Total	-	-	-	\$350,680	\$3,275,396	-	-	\$3,626,076

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0594 - Computer-Aided Dispatch Replacement

Project Description

Replace the CAD system used by Public Safety which has reached the end of its useful life.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	\$4,925,565	-	-	\$4,925,565
Total:	-	-	-	-	\$4,925,565	-	-	\$4,925,565

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$234,551	-	-	\$234,551
Construction	-	-	-	-	\$4,691,014	-	-	\$4,691,014
Total	-	-	-	-	\$4,925,565	-	-	\$4,925,565

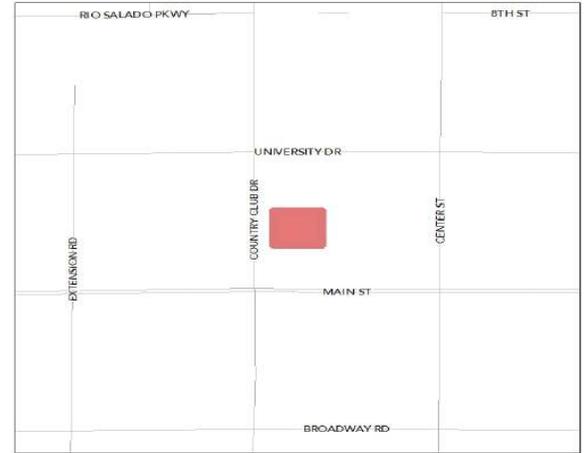
Public Safety Major Program Detail Fiscal Years 2017 - 2021

Police

CP0546 - Metro Building Site Hardening

Project Description

Construct improvements to make it suitable for public safety needs. Site Hardening is required to minimize threats to location/personnel. Improvements include landscape and fence lines, secured access gates for entry, and video surveillance.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$853,607	-	-	-	\$853,607
Total:	-	-	-	\$853,607	-	-	-	\$853,607

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$40,648	-	-	-	\$40,648
Construction	-	-	-	\$812,959	-	-	-	\$812,959
Total	-	-	-	\$853,607	-	-	-	\$853,607

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

C10430 - Metro Facility Improvements Remodel

Project Description

Expand showers/restroom facilities and increase storage capacity.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$208,992	\$2,956,462	-	-	\$3,165,454
Total:	-	-	-	\$208,992	\$2,956,462	-	-	\$3,165,454

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$9,952	\$140,784	-	-	\$150,736
Construction	-	-	-	-	\$2,815,678	-	-	\$2,815,678
Design	-	-	-	\$199,040	-	-	-	\$199,040
Total	-	-	-	\$208,992	\$2,956,462	-	-	\$3,165,454

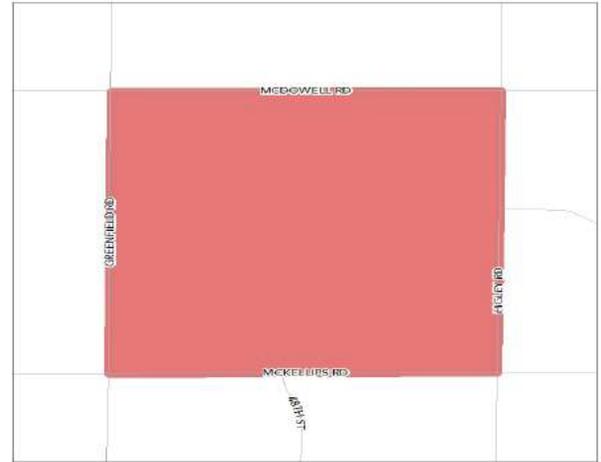
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0083 - Police Aviation (Helicopter)

Project Description

Replace or refurbish and upgrade existing police aircraft that have exceeded their useful life based on flight hours for the purposes of providing public safety services to citizens.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$3,899,970	-	-	-	\$3,899,970
Total:	-	-	-	\$3,899,970	-	-	-	\$3,899,970

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	\$3,899,970	-	-	-	\$3,899,970
Total	-	-	-	\$3,899,970	-	-	-	\$3,899,970

Public Safety Major Program Detail Fiscal Years 2017 - 2021

Police

CP0695 - Police Evidence Facility

Project Description

Construction of a new 32,000 square foot Police evidence facility. This facility, capable of housing the longer term and general evidence storage needs of the Police Department, would be equipped with secure climate controlled and cooler storage.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$640,217	\$1,206,764	\$9,669,508	-	\$11,516,489
Total:	-	-	-	\$640,217	\$1,206,764	\$9,669,508	-	\$11,516,489

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$57,465	\$460,453	-	\$517,918
Construction	-	-	-	-	-	\$9,209,055	-	\$9,209,055
Design	-	-	-	\$640,217	-	-	-	\$640,217
Land Acquisition	-	-	-	-	\$1,149,299	-	-	\$1,149,299
Total	-	-	-	\$640,217	\$1,206,764	\$9,669,508	-	\$11,516,489

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0204 - Police Headquarters Renovations

Project Description

Renovate the Police Department Headquarters to meet operational needs.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$496,889	\$4,845,144	-	-	\$5,342,033
Restricted Programs Fund	\$134,669	-	-	-	-	-	-	\$134,669
Total:	\$134,669	-	-	\$496,889	\$4,845,144	-	-	\$5,476,702

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$4,185	-	-	\$23,661	\$230,721	-	-	\$258,567
Construction	\$130,483	-	-	-	\$4,614,423	-	-	\$4,744,906
Design	-	-	-	\$473,228	-	-	-	\$473,228
Total	\$134,669	-	-	\$496,889	\$4,845,144	-	-	\$5,476,702

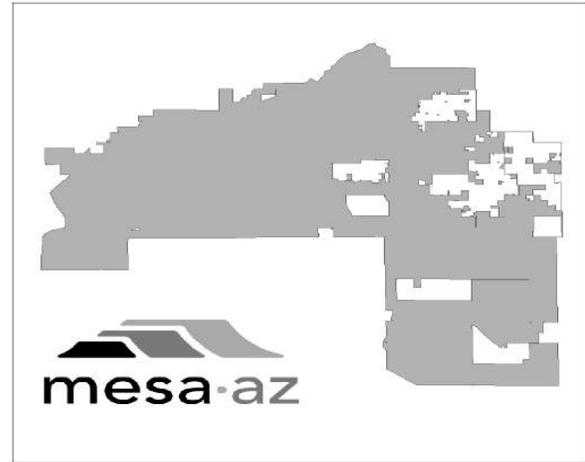
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0593 - Police Records Management System Replacement

Project Description

Replace the Police Department's Records Management System which has reached the end of its useful life.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	-	\$4,925,565	-	-	\$4,925,565
Total:	-	-	-	-	\$4,925,565	-	-	\$4,925,565

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$234,551	-	-	\$234,551
Construction	-	-	-	-	\$4,691,014	-	-	\$4,691,014
Total	-	-	-	-	\$4,925,565	-	-	\$4,925,565

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0543 - Police Shooting Range Expansion

Project Description

Expand the Police Shooting Range from five to eight lanes and adding a hazardous device training area.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$895,578	-	-	-	\$895,578
Total:	-	-	-	\$895,578	-	-	-	\$895,578

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$42,647	-	-	-	\$42,647
Construction	-	-	-	\$852,931	-	-	-	\$852,931
Total	-	-	-	\$895,578	-	-	-	\$895,578

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0544 - Public Safety Training Facility - Resurface Driving Track

Project Description

Resurface the 10-year old track including the replacement of the concrete "wet, skid pad."



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	-	\$2,856,836	-	-	-	\$2,856,836
Total:	-	-	-	\$2,856,836	-	-	-	\$2,856,836

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$136,040	-	-	-	\$136,040
Construction	-	-	-	\$2,720,796	-	-	-	\$2,720,796
Total	-	-	-	\$2,856,836	-	-	-	\$2,856,836

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Police

CP0086 - Red Mountain Police Substation Expansion

Project Description

Expand the Red Mountain patrol substation to provide services to the northeast including offices, briefing room, locker room, and storage.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$1,633,457	\$10,727,257	\$4,818,590	-	\$17,179,304
Total:	-	-	-	\$1,633,457	\$10,727,257	\$4,818,590	-	\$17,179,304

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$77,784	\$510,822	\$229,457	-	\$818,063
Construction	-	-	-	-	\$10,216,435	\$4,589,133	-	\$14,805,568
Design	-	-	-	\$1,555,673	-	-	-	\$1,555,673
Total	-	-	-	\$1,633,457	\$10,727,257	\$4,818,590	-	\$17,179,304

Public Safety Major Program Detail Fiscal Years 2017 - 2021

Police

CP0596 - Superstition Investigations Area Renovation

Project Description

Renovate the Police Department's Superstition District's 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$31,500	-	-	-	-	-	\$31,500
Total:	-	\$31,500	-	-	-	-	-	\$31,500

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$1,500	-	-	-	-	-	\$1,500
Construction	-	\$30,000	-	-	-	-	-	\$30,000
Total	-	\$31,500	-	-	-	-	-	\$31,500

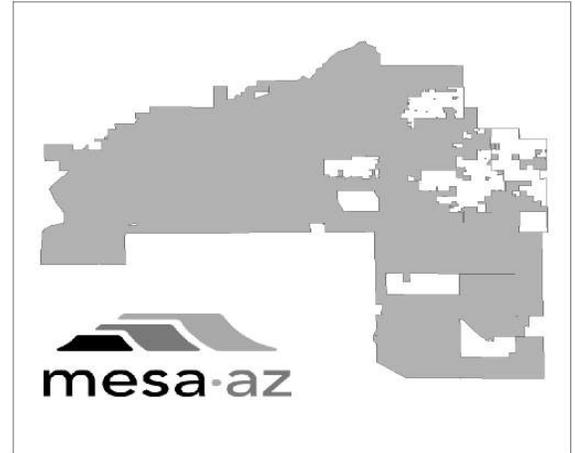
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0704 - G-2 Fire Station Alerting System

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	-	\$748,167	-	-	-	\$748,167
Total:	-	-	-	\$748,167	-	-	-	\$748,167

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	-	\$748,167	-	-	-	\$748,167
Total	-	-	-	\$748,167	-	-	-	\$748,167

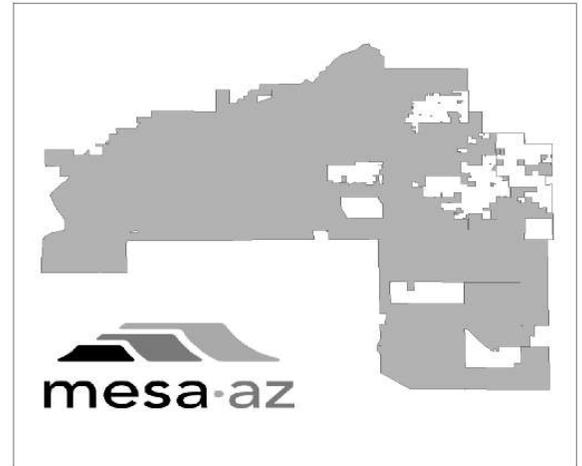
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0696 - Public Safety Fiber - Phase II

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436
Total:	-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436
Total	-	-	-	\$267,203	\$4,378,280	\$6,413,953	-	\$11,059,436

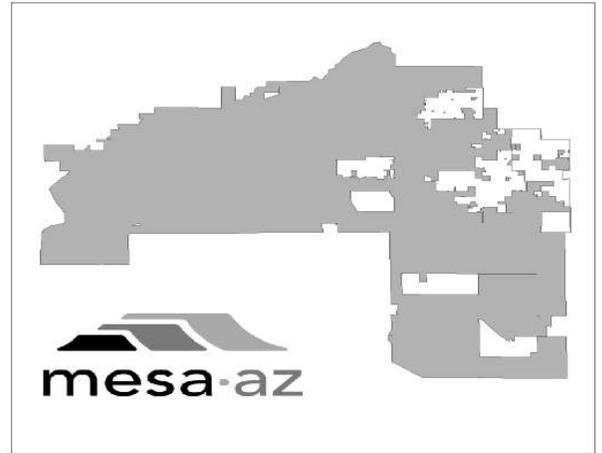
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0438 - Regional Communications Authority

Project Description

Fund a placeholder to rejoin the Regional Wireless Cooperative (RWC) and TOPAZ Regional Wireless Cooperative (TRWC).



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Public Safety Bonds	-	-	-	\$801,608	-	-	-	\$801,608
Total:	-	-	-	\$801,608	-	-	-	\$801,608

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	-	\$801,608	-	-	-	\$801,608
Total	-	-	-	\$801,608	-	-	-	\$801,608

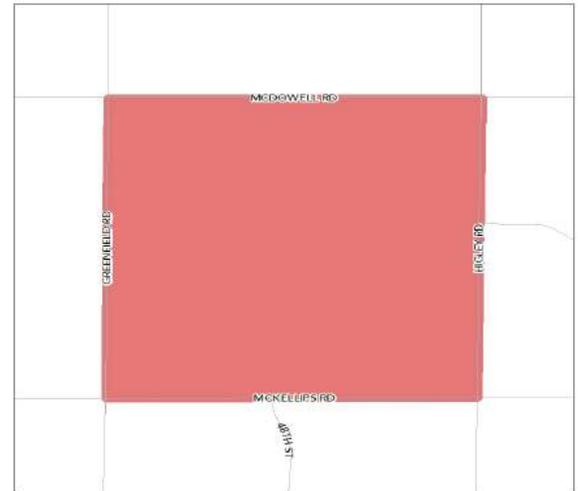
Public Safety Major Program Detail Fiscal Years 2017 - 2021

Communications

CP0698 - TOPAZ - Communications Building UPS Battery Replacement

Project Description

Replace the UPS batteries used to support public safety communications. The batteries have a five year life span and were last replaced in 2013.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
TOPAZ Joint Venture Fund	-	-	-	\$32,064	-	-	-	\$32,064
Total:	-	-	-	\$32,064	-	-	-	\$32,064

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	-	\$32,064	-	-	-	\$32,064
Total	-	-	-	\$32,064	-	-	-	\$32,064

Public Safety Major Program Detail Fiscal Years 2017 - 2021

Communications

CN0031 - Communications Building UPS Battery Replacement - Mesa Share

Project Description

Replace the UPS batteries used to support public safety communications. The batteries have a five year life span and were last replaced in 2013.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	-	\$16,032	-	-	-	\$16,032
Total:	-	-	-	\$16,032	-	-	-	\$16,032

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	-	\$16,032	-	-	-	\$16,032
Total	-	-	-	\$16,032	-	-	-	\$16,032

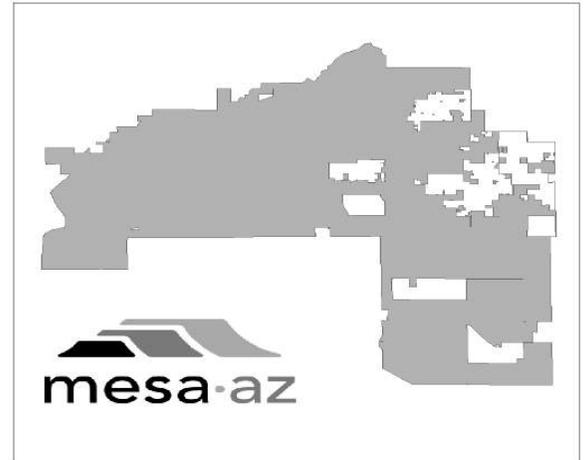
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0697 - TOPAZ - Public Safety Network Router Refresh

Project Description

Replace routers used in the transport of public safety voice, SCADA (Supervisory Control and Data Acquisition - Utilities) and City staff data. These replacements will also serve the TOPAZ network partners.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
TOPAZ Joint Venture Fund	-	-	\$781,748	\$801,608	-	-	-	\$1,583,356
Total:	-	-	\$781,748	\$801,608	-	-	-	\$1,583,356

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$781,748	\$801,608	-	-	-	\$1,583,356
Total	-	-	\$781,748	\$801,608	-	-	-	\$1,583,356

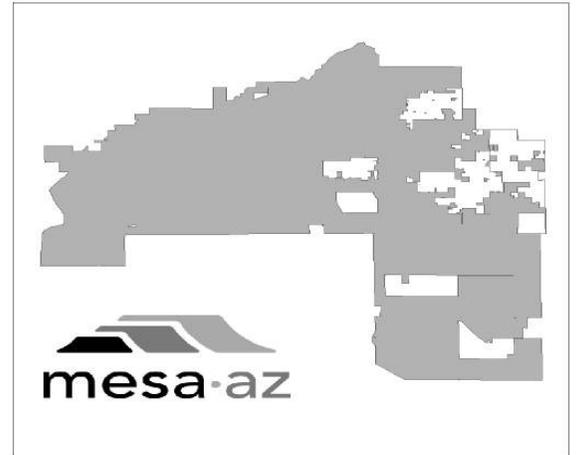
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CN0030 - Public Safety Network Router Refresh - Mesa Share

Project Description

Replace routers used in the transport of public safety voice, SCADA (Supervisory Control and Data Acquisition - Utilities) and City staff data will reach the end of life in 2017 and need to be updated.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$684,029	\$701,407	-	-	-	\$1,385,436
Total:	-	-	\$684,029	\$701,407	-	-	-	\$1,385,436

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$684,029	\$701,407	-	-	-	\$1,385,436
Total	-	-	\$684,029	\$701,407	-	-	-	\$1,385,436

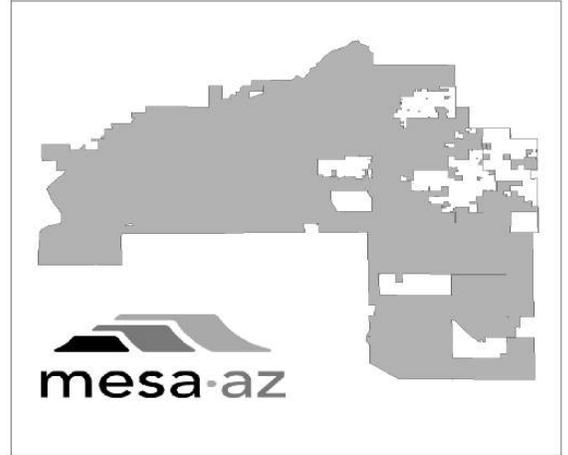
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0094 - TOPAZ - Radio Sites Generator Replacement

Project Description

Replace 8 generators used for back-up power at radio sites. These generators have reached the end of their useful life. Replacement parts are becoming more difficult to find and maintenance costs continue to rise.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
TOPAZ Joint Venture Fund	-	-	\$312,699	\$320,643	-	-	-	\$633,342
Total:	-	-	\$312,699	\$320,643	-	-	-	\$633,342

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$312,699	\$320,643	-	-	-	\$633,342
Total	-	-	\$312,699	\$320,643	-	-	-	\$633,342

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CN0033 - Radio Site Generator Replacement - Mesa Share

Project Description

Replace the emergency power generators and switching equipment at the Communications towers.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$156,350	\$160,322	-	-	-	\$316,672
Total:	-	-	\$156,350	\$160,322	-	-	-	\$316,672

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$156,350	\$160,322	-	-	-	\$316,672
Total	-	-	\$156,350	\$160,322	-	-	-	\$316,672

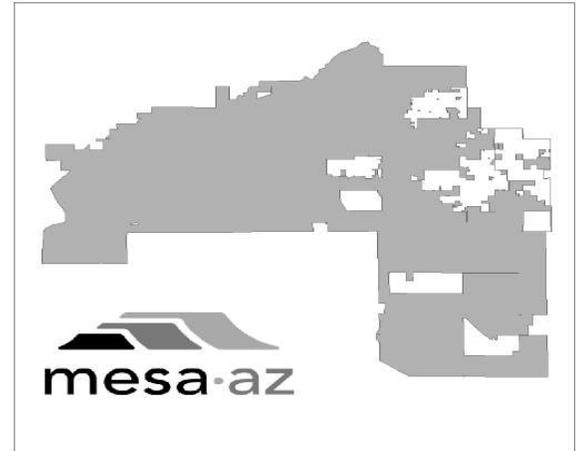
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0090 - TOPAZ Radio Network Upgrade

Project Description

Replace the TOPAZ voice radio network used by public safety, other City departments, and other jurisdictions for two-way communications.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	\$1,433,828	-	-	-	-	-	-	\$1,433,828
TOPAZ Joint Venture Fund	\$3,633,828	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$5,458,383
Total:	\$5,067,656	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$6,892,211

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	\$5,067,656	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$6,892,211
Total	\$5,067,656	\$433,828	\$452,192	\$463,680	\$474,855	-	-	\$6,892,211

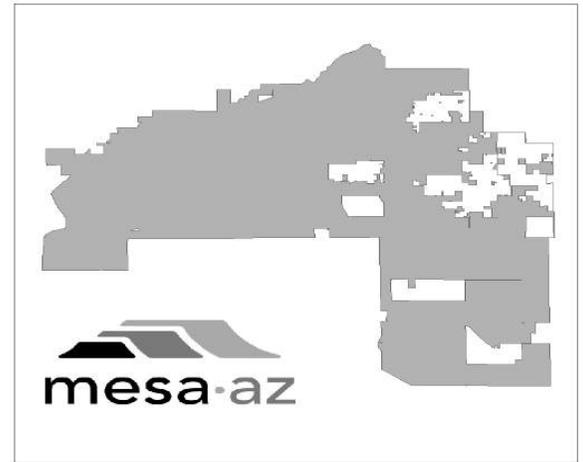
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487
Total:	-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487
Total	-	\$379,600	\$395,668	\$405,720	\$415,499	-	-	\$1,596,487

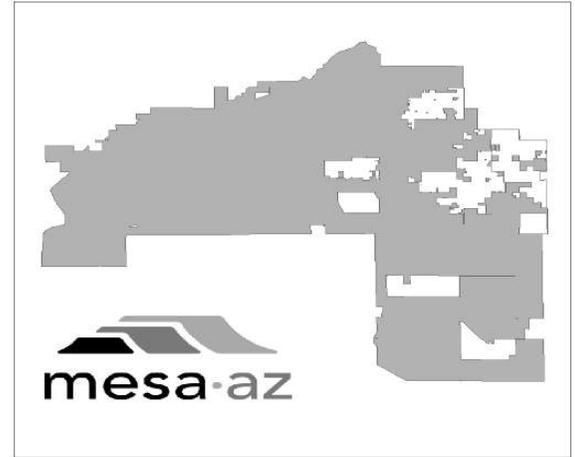
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
TOPAZ Joint Venture Fund	-	-	\$208,466	\$213,762	-	-	-	\$422,228
Total:	-	-	\$208,466	\$213,762	-	-	-	\$422,228

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$208,466	\$213,762	-	-	-	\$422,228
Total	-	-	\$208,466	\$213,762	-	-	-	\$422,228

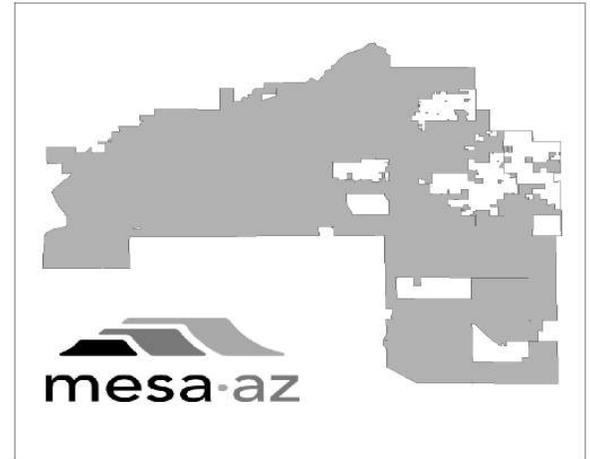
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CN0032 - Transmission Lines/Antennas - Mesa Share

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$182,408	\$187,042	-	-	-	\$369,450
Total:	-	-	\$182,408	\$187,042	-	-	-	\$369,450

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	-	-	\$182,408	\$187,042	-	-	-	\$369,450
Total	-	-	\$182,408	\$187,042	-	-	-	\$369,450

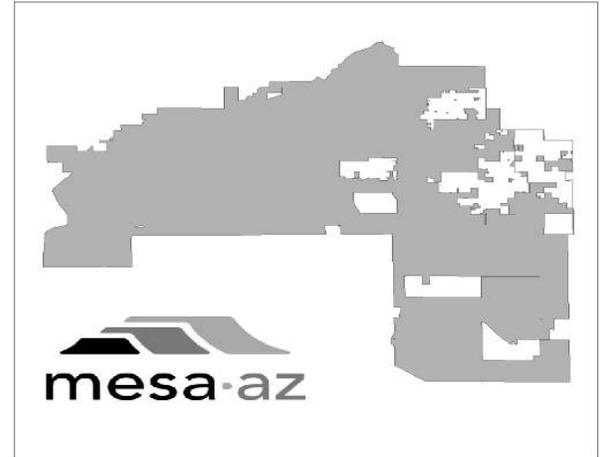
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0305 - TOPAZ - VHF Radio System

Project Description

Complete the infrastructure buildout to make the VHF Radio System operational for the TRWC.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	\$601,650	-	-	-	-	-	-	\$601,650
TOPAZ Joint Venture Fund	\$900,000	\$900,000	\$312,699	-	-	-	-	\$2,112,699
Total:	\$1,501,650	\$900,000	\$312,699	-	-	-	-	\$2,714,349

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	\$1,501,650	\$900,000	\$312,699	-	-	-	-	\$2,714,349
Total	\$1,501,650	\$900,000	\$312,699	-	-	-	-	\$2,714,349

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CN0021 - VHF Radio System - Mesa Share

Project Description

Complete the infrastructure buildout to make the VHF Radio System operational for the TRWC.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	\$90,082	\$601,650	\$209,039	-	-	-	-	\$900,771
Total:	\$90,082	\$601,650	\$209,039	-	-	-	-	\$900,771

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Design	\$90,082	-	-	-	-	-	-	\$90,082
Purchases	-	\$601,650	\$209,039	-	-	-	-	\$810,689
Total	\$90,082	\$601,650	\$209,039	-	-	-	-	\$900,771

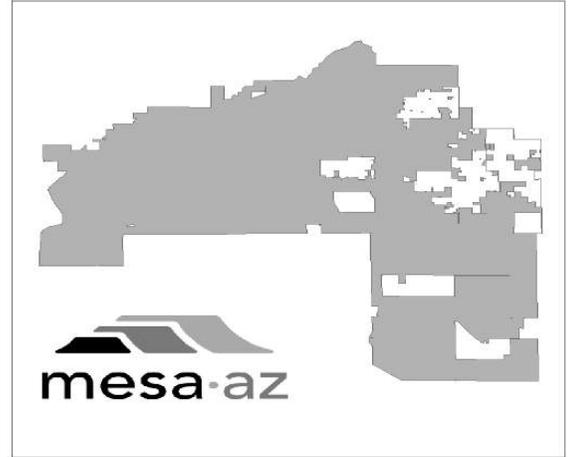
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CP0093 - TOPAZ - Wireless Backhaul Microwaves

Project Description

Replace the point-to-point microwave radio infrastructure, which provides voice and data services to fire stations and other City facilities. This network has reached the end of its support lifecycle.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
TOPAZ Joint Venture Fund	-	\$300,000	\$312,699	-	-	-	-	\$612,699
Total:	-	\$300,000	\$312,699	-	-	-	-	\$612,699

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$300,000	\$312,699	-	-	-	-	\$612,699
Total	-	\$300,000	\$312,699	-	-	-	-	\$612,699

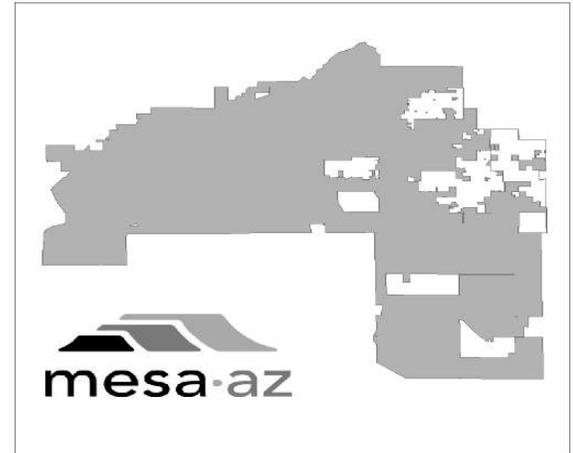
**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

Communications

CN0034 - Wireless Backhaul Microwave - Mesa Share

Project Description

Replace the backbone microwave radios. These radios are no longer supported by the manufacturer.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Capital - General Fund	-	\$262,500	\$273,612	-	-	-	-	\$536,112
Total:	-	\$262,500	\$273,612	-	-	-	-	\$536,112

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$262,500	\$273,612	-	-	-	-	\$536,112
Total	-	\$262,500	\$273,612	-	-	-	-	\$536,112

**Public Safety Major Program Detail
Fiscal Years 2017 - 2021**

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
1994 Solid Waste Bond	-	-	\$2,814,291	-	-	-	-	\$2,814,291
Environmental Compliance Fee	-	\$300,000	-	-	-	-	-	\$300,000
Total:	-	\$300,000	\$2,814,291	-	-	-	-	\$3,114,291

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$14,286	\$134,013	-	-	-	-	\$148,299
Construction	-	-	\$2,680,278	-	-	-	-	\$2,680,278
Design	-	\$285,714	-	-	-	-	-	\$285,714
Total	-	\$300,000	\$2,814,291	-	-	-	-	\$3,114,291





City of Mesa

Five-Year Capital Improvement Program
FY 2017 - 2021

PUBLIC SAFETY PROJECTS

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

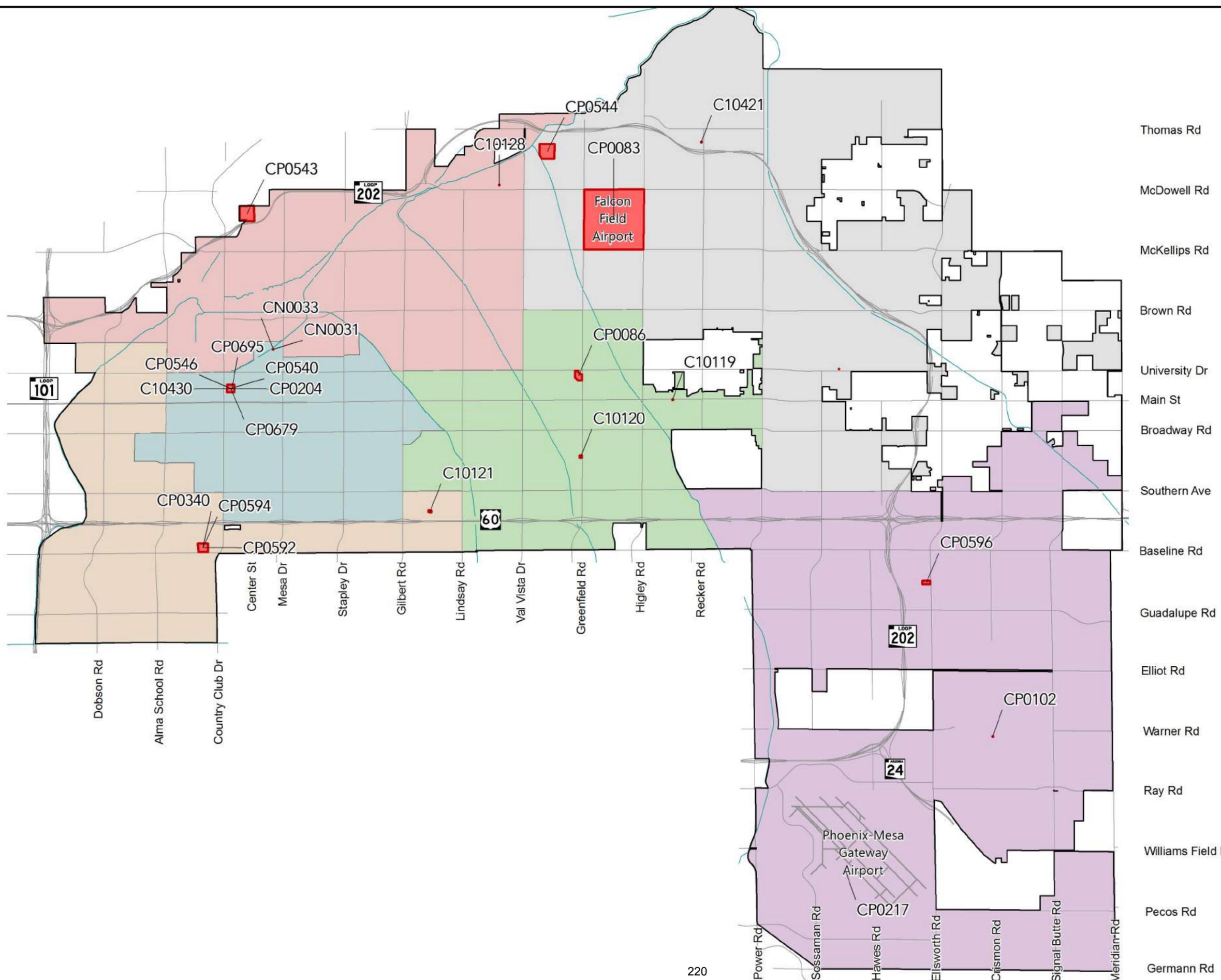
Citywide, External or Location TBD Projects

CN0002	CP0093	CP0696
CN0021	CP0094	CP0697
CN0023	CP0101	CP0698
CN0030	CP0103	CP0699
CN0032	CP0305	CP0704
CN0034	CP0438	
CP0090	CP0593	



MAP CREATION DATE: 6/23/2016
MAP CREATED BY: Engineering-GIS

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Transportation



Fiscal Years
2017-2021
City of Mesa, Arizona

Project Detail Pages

Transportation

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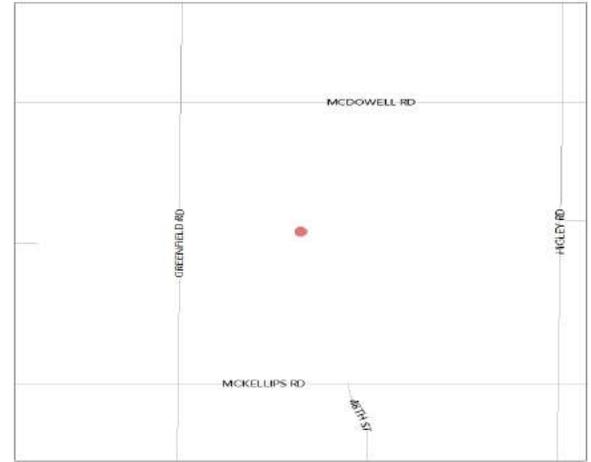
Transportation Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	\$202,021	-	-	\$65,790	-	-	-	\$267,811
Falcon Field Grants	\$1,140,342	-	-	\$628,936	-	-	-	\$1,769,278
General Fund	\$51	-	-	-	-	-	-	\$51
Total:	\$1,342,414	-	-	\$694,726	-	-	-	\$2,037,140

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$46,828	-	-	\$34,736	-	-	-	\$81,564
Construction	\$1,170,078	-	-	\$659,990	-	-	-	\$1,830,068
Design	\$125,508	-	-	-	-	-	-	\$125,508
Total	\$1,342,414	-	-	\$694,726	-	-	-	\$2,037,140

Transportation Major Program Detail Fiscal Years 2017 - 2021

Falcon Field Airport

CP0114 - Airfield Lighting and Signage Upgrade

Project Description

Replace Runway and Taxiway lights with newer light emitting diode (LED) lights which will reduce electrical and maintenance costs due to the longer lifespan of the LED lights.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	\$23,013	\$68,671	\$312,699	-	-	-	-	\$404,383
Falcon Field Grants	\$151,987	\$389,133	\$1,771,961	-	-	-	-	\$2,313,081
Total:	\$175,000	\$457,804	\$2,084,660	-	-	-	-	\$2,717,464

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$6,126	\$22,890	\$104,233	-	-	-	-	\$133,249
Construction	-	-	\$1,980,427	-	-	-	-	\$1,980,427
Design	\$168,874	\$434,914	-	-	-	-	-	\$603,788
Total	\$175,000	\$457,804	\$2,084,660	-	-	-	-	\$2,717,464

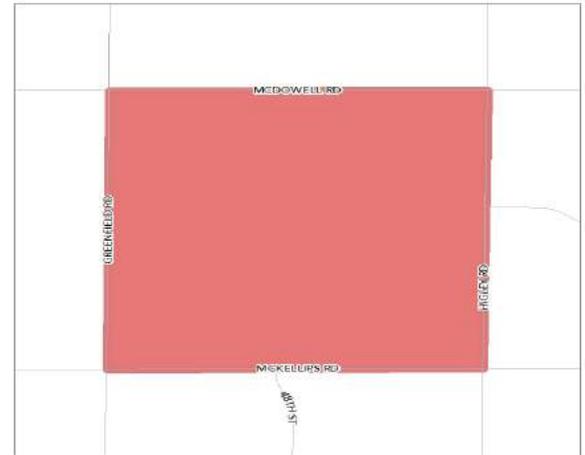
Transportation Major Program Detail Fiscal Years 2017 - 2021

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	\$1,849,557	\$223,979	\$423,218	\$320,643	-	-	-	\$2,817,397
Falcon Field Capital	\$20,080	-	-	-	-	-	-	\$20,080
Total:	\$1,869,637	\$223,979	\$423,218	\$320,643	-	-	-	\$2,837,477

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$65,305	\$11,199	\$40,965	\$16,032	-	-	-	\$133,501
Construction	\$1,495,529	\$212,780	\$382,253	\$304,611	-	-	-	\$2,395,173
Design	\$308,804	-	-	-	-	-	-	\$308,804
Total	\$1,869,637	\$223,979	\$423,218	\$320,643	-	-	-	\$2,837,477

Transportation Major Program Detail Fiscal Years 2017 - 2021

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 nighttime.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	\$16,866	\$136,754	-	-	-	\$153,620
Falcon Field Grants	-	-	\$95,570	\$774,941	-	-	-	\$870,511
Total:	-	-	\$112,436	\$911,695	-	-	-	\$1,024,131

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$5,622	\$45,585	-	-	-	\$51,207
Construction	-	-	-	\$866,110	-	-	-	\$866,110
Design	-	-	\$106,814	-	-	-	-	\$106,814
Total	-	-	\$112,436	\$911,695	-	-	-	\$1,024,131

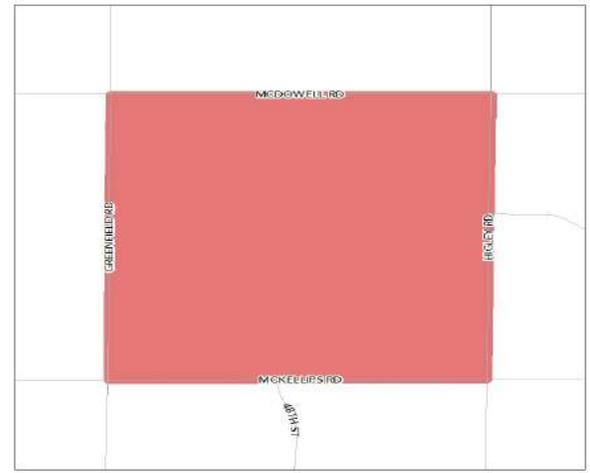
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Falcon Field Airport

CP0690 - East Side Improvements

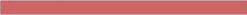
Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$328,371	\$669,282	\$934,369	\$1,932,022
Total:	-	-	-	-	\$328,371	\$669,282	\$934,369	\$1,932,022

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$16,419	\$33,464	\$46,719	\$96,602
Construction	-	-	-	-	-	\$635,818	\$887,650	\$1,523,468
Design	-	-	-	-	\$311,952	-	-	\$311,952
Total	-	-	-	-	\$328,371	\$669,282	\$934,369	\$1,932,022

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	-	-	\$31,690	\$305,834	\$337,524
Falcon Field Grants	-	-	-	-	-	\$302,950	\$2,923,671	\$3,226,621
Total:	-	-	-	-	-	\$334,640	\$3,229,505	\$3,564,145

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$16,732	\$161,475	\$178,207
Construction	-	-	-	-	-	\$317,908	\$3,068,030	\$3,385,938
Total	-	-	-	-	-	\$334,640	\$3,229,505	\$3,564,145

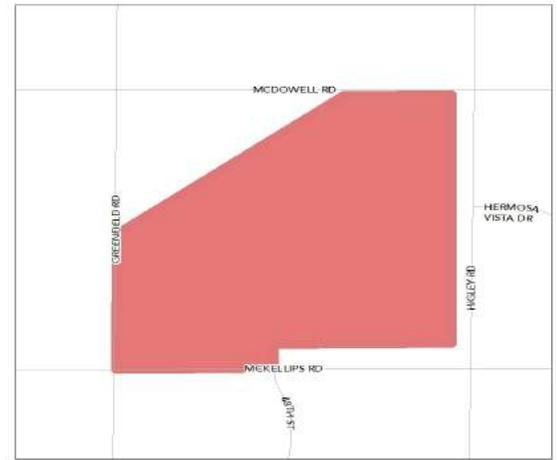
Transportation Major Program Detail Fiscal Years 2017 - 2021

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Grants	-	-	\$400,020	-	-	-	-	\$400,020
Total:	-	-	\$400,020	-	-	-	-	\$400,020

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Design	-	-	\$400,020	-	-	-	-	\$400,020
Total	-	-	\$400,020	-	-	-	-	\$400,020

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Falcon Field Airport

CP0400 - Runway 22R Approach Easement

Project Description

Acquire 1.56 acre aviation easement for Runway 22 R Approach.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$89,726	-	-	\$89,726
Falcon Field Grants	-	-	-	-	\$508,443	-	-	\$508,443
Total:	-	-	-	-	\$598,169	-	-	\$598,169

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	\$29,908	-	-	\$29,908
Design	-	-	-	-	\$568,261	-	-	\$568,261
Total	-	-	-	-	\$598,169	-	-	\$598,169

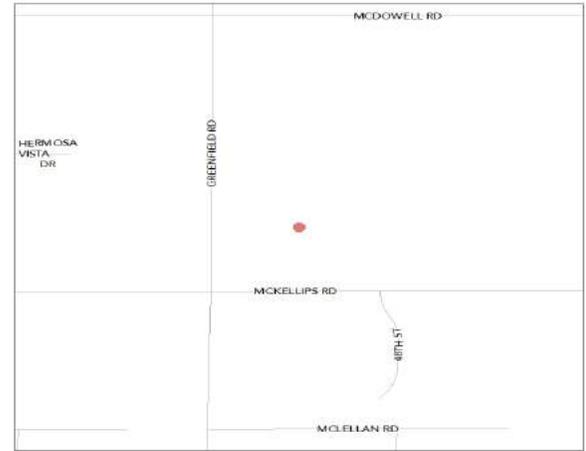
Transportation Major Program Detail Fiscal Years 2017 - 2021

Falcon Field Airport

CP0398 - Runway Protection Zone Improvements

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	\$20,243	\$124,387	-	-	\$144,630
Falcon Field Grants	-	-	-	\$193,519	\$1,189,097	-	-	\$1,382,616
Total:	-	-	-	\$213,762	\$1,313,484	-	-	\$1,527,246

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	\$10,688	\$65,674	-	-	\$76,362
Construction	-	-	-	\$203,074	\$1,247,810	-	-	\$1,450,884
Total	-	-	-	\$213,762	\$1,313,484	-	-	\$1,527,246

Transportation Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	\$49,354	\$273,284	\$362,795	-	-	\$685,433
Falcon Field Grants	-	-	\$471,811	\$2,612,503	\$3,468,200	-	-	\$6,552,514
Total:	-	-	\$521,165	\$2,885,787	\$3,830,995	-	-	\$7,237,947

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$26,058	\$144,289	\$191,550	-	-	\$361,897
Construction	-	-	-	\$2,741,498	\$3,639,445	-	-	\$6,380,943
Design	-	-	\$495,107	-	-	-	-	\$495,107
Total	-	-	\$521,165	\$2,885,787	\$3,830,995	-	-	\$7,237,947

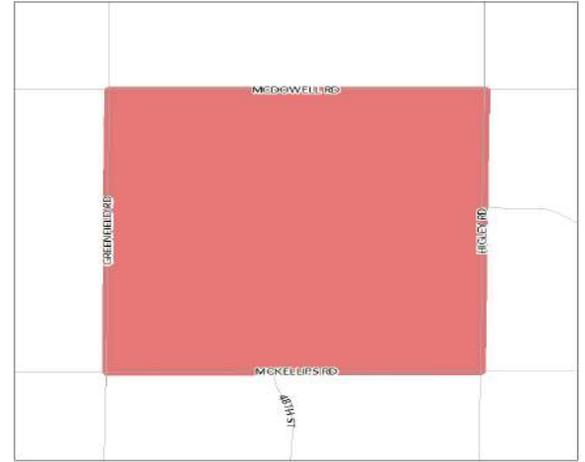
Transportation Major Program Detail Fiscal Years 2017 - 2021

Falcon Field Airport

CP0689 - Storm Water Drainage Plan

Project Description

Update storm-water drainage plan to enable future construction and storm water drainage.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	-	\$49,256	-	-	\$49,256
Falcon Field Grants	-	-	-	-	\$279,115	-	-	\$279,115
Total:	-	-	-	-	\$328,371	-	-	\$328,371

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	\$16,419	-	-	\$16,419
Design	-	-	-	-	\$311,952	-	-	\$311,952
Total	-	-	-	-	\$328,371	-	-	\$328,371

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Falcon Field Airport

C10439 - Taxiway A and C Reconfiguration

Project Description

Realign existing Taxiways A and C between the south side of Runway 4L-22R and the north side of Taxiway D to promote the use of Runway 4L-22R for training operations.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	\$220,084	\$250,955	-	-	-	-	-	\$471,039
Falcon Field Grants	\$2,006,917	\$2,399,045	-	-	-	-	-	\$4,405,962
Total:	\$2,227,000	\$2,650,000	-	-	-	-	-	\$4,877,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$82,476	\$132,500	-	-	-	-	-	\$214,976
Construction	\$1,791,727	\$2,517,500	-	-	-	-	-	\$4,309,227
Design	\$352,798	-	-	-	-	-	-	\$352,798
Total	\$2,227,000	\$2,650,000	-	-	-	-	-	\$4,877,000

Transportation Major Program Detail Fiscal Years 2017 - 2021

Falcon Field Airport

CP0691 - Taxiway C Run Up Area

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Falcon Field Airport	-	-	-	-	-	\$67,584	\$315,027	\$382,611
Falcon Field Grants	-	-	-	-	-	\$382,977	\$1,785,149	\$2,168,126
Total:	-	-	-	-	-	\$450,561	\$2,100,176	\$2,550,737

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$22,528	\$105,009	\$127,537
Construction	-	-	-	-	-	-	\$1,995,167	\$1,995,167
Design	-	-	-	-	-	\$428,033	-	\$428,033
Total	-	-	-	-	-	\$450,561	\$2,100,176	\$2,550,737

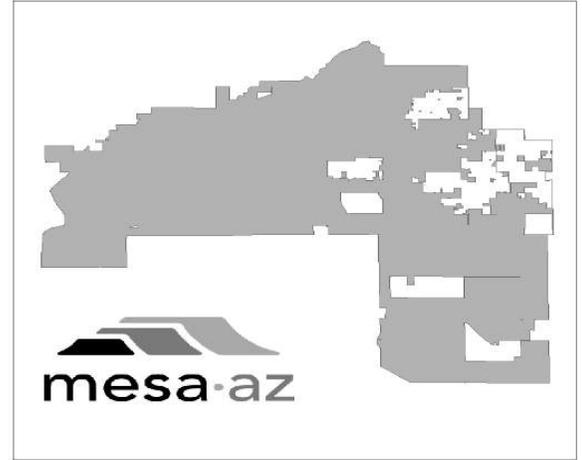
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0655 - Central Traffic Signal System Upgrade

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	-	-	-	-	\$725,056	-	\$725,056
Total:	-	-	-	-	-	\$725,056	-	\$725,056

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	-	-	-	-	-	\$725,056	-	\$725,056
Total	-	-	-	-	-	\$725,056	-	\$725,056

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0278 - Illuminated Street Name Signs

Project Description

Install illuminated arterial street signs.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740
Total:	-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740
Total	-	-	-	\$420,913	\$431,058	\$439,288	\$449,481	\$1,740,740

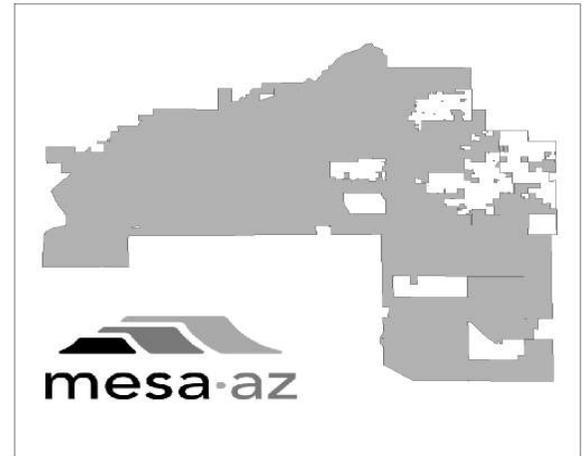
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0109 - MAG ITS Projects

Project Description

Construct intelligent transportation system (ITS) improvements for City streets. The regional projects include federal funding that require a local match to complete. It will also fund priority local ITS projects.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$406,625	\$317,820	\$434,495	\$445,534	\$456,272	-	-	\$2,060,746
Total:	\$406,625	\$317,820	\$434,495	\$445,534	\$456,272	-	-	\$2,060,746

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$9,625	\$19,850	\$20,690	\$21,216	\$21,727	-	-	\$93,108
Construction	\$270,000	\$170,970	\$281,429	\$288,579	\$295,534	-	-	\$1,306,512
Design	\$115,000	\$115,000	\$119,868	\$122,913	\$125,876	-	-	\$598,657
Direct Expenses	\$2,000	\$2,000	\$2,085	\$2,138	\$2,189	-	-	\$10,412
Land Acquisition	\$10,000	\$10,000	\$10,423	\$10,688	\$10,946	-	-	\$52,057
Total	\$406,625	\$317,820	\$434,495	\$445,534	\$456,272	-	-	\$2,060,746

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$8,752	\$13,684	\$18,708	\$23,949	\$29,288	\$118,108	\$212,489
Total:	-	\$8,752	\$13,684	\$18,708	\$23,949	\$29,288	\$118,108	\$212,489

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0656 - New Video Wall Processor

Project Description

Replace video wall processor for the City's Traffic Management Center.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$360,831	-	-	-	-	-	\$360,831
Total:	-	\$360,831	-	-	-	-	-	\$360,831

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$50,779	-	-	-	-	-	\$50,779
Design	-	\$35,052	-	-	-	-	-	\$35,052
Purchases	-	\$275,000	-	-	-	-	-	\$275,000
Total	-	\$360,831	-	-	-	-	-	\$360,831

Transportation Major Program Detail Fiscal Years 2017 - 2021

Intelligent Transportation System

CP0657 - Superstition Springs Adaptive System Upgrade

Project Description

Upgrade the existing adaptive traffic signal system which will result in savings on software maintenance fees.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$168,042	-	-	-	-	-	\$168,042
Total:	-	\$168,042	-	-	-	-	-	\$168,042

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$18,042	-	-	-	-	-	\$18,042
Purchases	-	\$150,000	-	-	-	-	-	\$150,000
Total	-	\$168,042	-	-	-	-	-	\$168,042

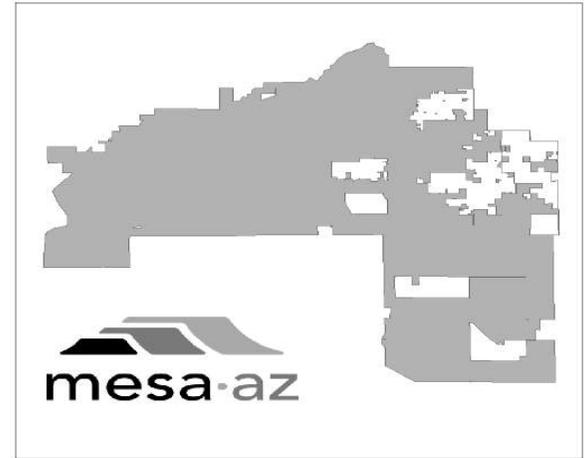
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0653 - Traffic Signal Cabinet & Controllers Upgrade in east Mesa

Project Description

Install citywide new traffic signal cabinets and controllers at 50 locations to more effectively manage traffic.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	-	\$406,509	-	-	-	-	\$406,509
Local Streets Sales Tax	-	\$49,515	\$281,211	-	-	-	-	\$330,726
Total:	-	\$49,515	\$687,720	-	-	-	-	\$737,235

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$2,358	\$32,749	-	-	-	-	\$35,107
Construction	-	-	\$243,250	-	-	-	-	\$243,250
Construction-Grant	-	-	\$406,509	-	-	-	-	\$406,509
Design	-	\$27,157	-	-	-	-	-	\$27,157
Direct Expenses	-	-	\$5,212	-	-	-	-	\$5,212
Land Acquisition	-	\$20,000	-	-	-	-	-	\$20,000
Total	-	\$49,515	\$687,720	-	-	-	-	\$737,235

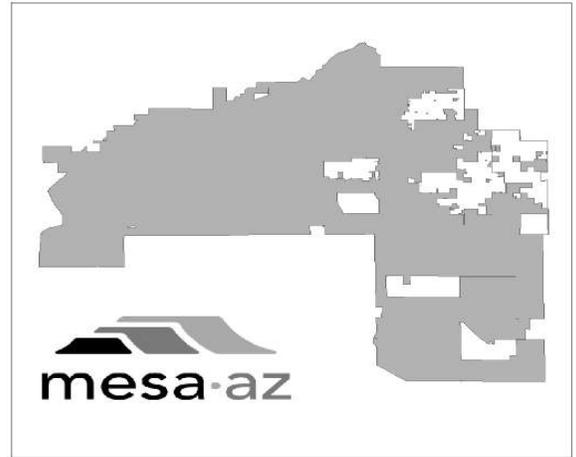
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

**CP0654 - Traffic Signal Cabinets and Controllers
Upgrade in west Mesa**

Project Description

Install new traffic cabinets and controllers at 50 locations
citywide to more effectively manage traffic.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	-	\$406,509	-	-	-	-	\$406,509
Local Streets Sales Tax	-	\$49,515	\$281,211	-	-	-	-	\$330,726
Total:	-	\$49,515	\$687,720	-	-	-	-	\$737,235

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$2,358	\$32,749	-	-	-	-	\$35,107
Construction	-	-	\$243,250	-	-	-	-	\$243,250
Construction- Grant	-	-	\$406,509	-	-	-	-	\$406,509
Design	-	\$27,157	-	-	-	-	-	\$27,157
Direct Expenses	-	-	\$5,212	-	-	-	-	\$5,212
Land Acquisition	-	\$20,000	-	-	-	-	-	\$20,000
Total	-	\$49,515	\$687,720	-	-	-	-	\$737,235

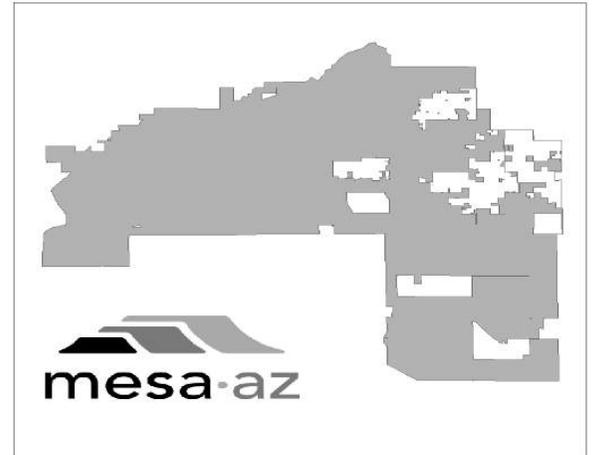
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0586 - Traffic Signals - New and Upgrade

Project Description

Install new signals and upgrade existing signals.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$1,700,614	\$1,668,368	\$1,710,752	\$1,751,985	\$1,785,436	\$6,569,276	\$15,186,431
Total:	-	\$1,700,614	\$1,668,368	\$1,710,752	\$1,751,985	\$1,785,436	\$6,569,276	\$15,186,431

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$101,094	\$105,373	\$108,050	\$110,654	\$112,767	\$412,208	\$950,146
Construction	-	\$1,242,520	\$1,295,116	\$1,328,018	\$1,360,026	\$1,385,993	\$5,111,146	\$11,722,819
Design	-	\$200,000	\$104,233	\$106,881	\$109,457	\$111,547	\$475,298	\$1,107,416
Direct Expenses	-	\$142,000	\$148,011	\$151,771	\$155,429	\$158,397	\$499,330	\$1,254,938
Land Acquisition	-	\$15,000	\$15,635	\$16,032	\$16,419	\$16,732	\$71,294	\$151,112
Total	-	\$1,700,614	\$1,668,368	\$1,710,752	\$1,751,985	\$1,785,436	\$6,569,276	\$15,186,431

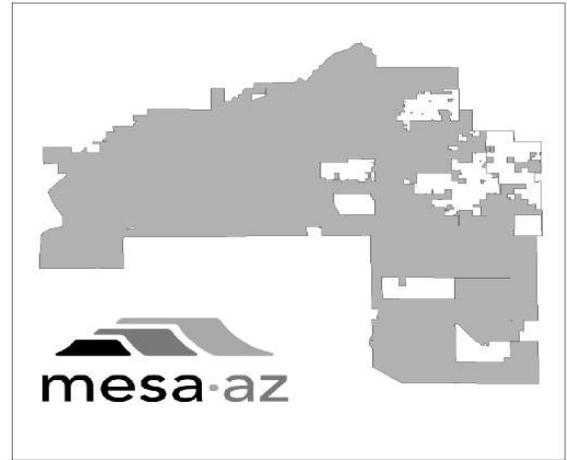
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Intelligent Transportation System

CP0702 - Traffic Signals-Public Safety Opticom

Project Description

Installation of opticom technology on traffic signals.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029
Total:	-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029
Total	-	\$320,000	\$333,546	\$342,019	\$350,262	\$356,950	\$1,125,252	\$2,828,029

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

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

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$4,195,542	-	-	-	-	-	\$4,195,542
Total:	-	\$4,195,542	-	-	-	-	-	\$4,195,542

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$199,788	-	-	-	-	-	\$199,788
Construction	-	\$3,985,754	-	-	-	-	-	\$3,985,754
Direct Expenses	-	\$10,000	-	-	-	-	-	\$10,000
Total	-	\$4,195,542	-	-	-	-	-	\$4,195,542

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets								
Sales Tax	-	-	\$19,809	\$20,313	\$20,802	\$21,200	\$66,829	\$148,953
Total:	-	-	\$19,809	\$20,313	\$20,802	\$21,200	\$66,829	\$148,953

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Electric Bond	-	-	-	-	-	\$72,082	\$675,527	\$747,609
Future Gas Bond	-	-	-	-	-	\$292,345	\$3,442,295	\$3,734,640
Future Street Bond	-	-	-	-	\$884,864	\$6,825,310	\$21,337,646	\$29,047,820
Future Water Bond	-	-	-	-	-	\$1,146,879	\$11,298,901	\$12,445,780
Total:	-	-	-	-	\$884,864	\$8,336,616	\$36,754,369	\$45,975,849

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	\$42,137	\$427,659	\$1,566,767	\$2,036,563
Construction	-	-	-	-	-	-	\$31,509,227	\$31,509,227
Design	-	-	-	-	\$831,781	\$4,500,621	-	\$5,332,402
Direct Expenses	-	-	-	-	\$10,946	\$18,036	\$128,933	\$157,915
Land Acquisition	-	-	-	-	-	\$3,390,300	\$3,549,442	\$6,939,742
Total	-	-	-	-	\$884,864	\$8,336,616	\$36,754,369	\$45,975,849

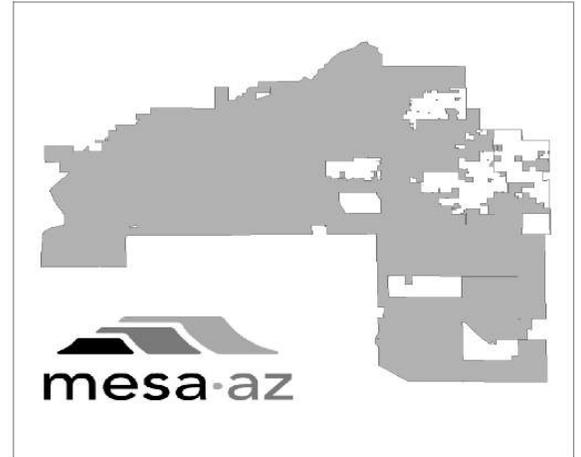
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

CP0028 - Country Club and University Intersection Improvements

Project Description

Construct intersection improvements to reduce traffic congestion and improve safety.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$35,895	\$367,294	\$403,189
Future Street Bond	-	-	-	-	\$147,325	\$2,476,565	\$24,155,166	\$26,779,056
Future Water Bond	-	-	-	-	-	\$100,479	\$1,038,397	\$1,138,876
Total:	-	-	-	-	\$147,325	\$2,612,939	\$25,560,857	\$28,321,121

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$7,015	\$126,845	\$1,241,949	\$1,375,809
Construction	-	-	-	-	-	-	\$18,599,149	\$18,599,149
Design	-	-	-	-	\$139,215	\$1,305,131	\$28,534	\$1,472,880
Direct Expenses	-	-	-	-	\$1,095	\$2,292	\$35,499	\$38,886
Land Acquisition	-	-	-	-	-	\$1,178,671	\$5,655,726	\$6,834,397
Total	-	-	-	-	\$147,325	\$2,612,939	\$25,560,857	\$28,321,121

Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

CP0571 - Elliot Road Tech Corridor

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$346,475	\$2,850,471	-	-	-	-	\$3,196,946
Grants - Gen. Gov.	-	\$325,130	\$2,674,870	-	-	-	-	\$3,000,000
Transportation	-	\$1,192,145	\$9,807,855	-	-	-	-	\$11,000,000
Total:	-	\$1,863,750	\$15,333,196	-	-	-	-	\$17,196,946

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP	-	-	-	-	-	-	-	-
Administration	-	\$88,750	\$730,152	-	-	-	-	\$818,902
Construction	-	-	\$13,508,597	-	-	-	-	\$13,508,597
Design	-	\$1,200,000	-	-	-	-	-	\$1,200,000
Direct Expenses	-	-	\$1,094,447	-	-	-	-	\$1,094,447
Land Acquisition	-	\$575,000	-	-	-	-	-	\$575,000
Total	-	\$1,863,750	\$15,333,196	-	-	-	-	\$17,196,946

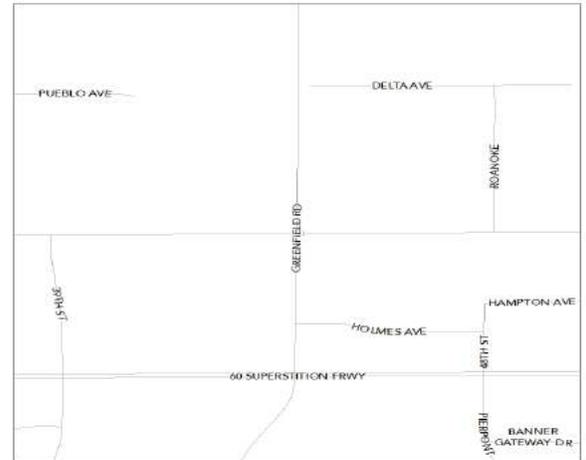
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$497,285	\$8,652,457	\$9,149,742
Future Water Bond	-	-	-	-	-	\$1,215,813	\$1,038,398	\$2,254,211
Total:	-	-	-	-	-	\$1,713,098	\$9,690,855	\$11,403,953

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$81,576	\$461,470	\$543,046
Construction	-	-	-	-	-	\$956,956	\$8,909,865	\$9,866,821
Design	-	-	-	-	-	\$661,650	-	\$661,650
Direct Expenses	-	-	-	-	-	\$12,916	\$34,182	\$47,098
Land Acquisition	-	-	-	-	-	-	\$285,338	\$285,338
Total	-	-	-	-	-	\$1,713,098	\$9,690,855	\$11,403,953

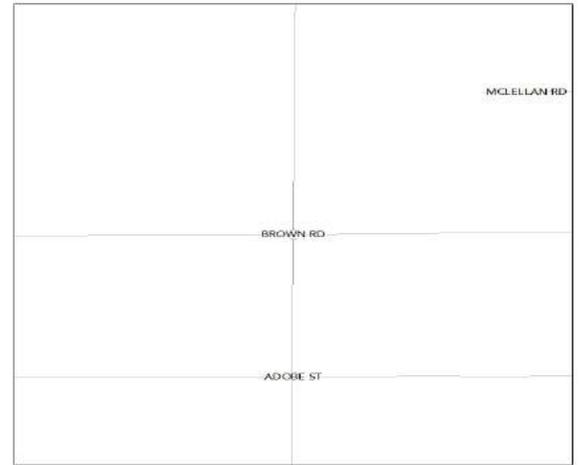
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

CP0059 - Lindsay Road and Brown Road Intersection

Project Description

Improve the Lindsay and Brown intersection to mitigate traffic delay and enhance safety.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$671,587	\$7,250,458	\$7,922,045
Future Water Bond	-	-	-	-	-	\$83,734	\$865,331	\$949,065
Total:	-	-	-	-	-	\$755,321	\$8,115,789	\$8,871,110

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$35,969	\$386,467	\$422,436
Construction	-	-	-	-	-	-	\$5,707,190	\$5,707,190
Design	-	-	-	-	-	\$703,752	-	\$703,752
Direct Expenses	-	-	-	-	-	\$15,600	\$176,580	\$192,180
Land Acquisition	-	-	-	-	-	-	\$1,845,552	\$1,845,552
Total	-	-	-	-	-	\$755,321	\$8,115,789	\$8,871,110

Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$277,176	-	-	-	-	-	-	\$277,176
2010 Gas Bond	\$55,992	-	\$481,036	-	-	-	-	\$537,028
2010 Water Bond	\$88,891	-	\$1,795,413	-	-	-	-	\$1,884,304
2013 Street Bond	\$3,111,673	-	\$10,888,327	-	-	-	-	\$14,000,000
2014 Electric Bond	\$3,810,305	-	-	-	-	-	-	\$3,810,305
2014 Water Bond	\$1,706,250	-	-	-	-	-	-	\$1,706,250
Total:	\$9,050,288	-	\$13,164,776	-	-	-	-	\$22,215,064

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$483,812	-	\$701,383	-	-	-	-	\$1,185,195
Construction	\$5,100,914	-	\$12,462,968	-	-	-	-	\$17,563,882
Design	\$2,255,860	-	-	-	-	-	-	\$2,255,860
Direct Expenses	\$4,702	-	\$425	-	-	-	-	\$5,127
Land Acquisition	\$1,205,000	-	-	-	-	-	-	\$1,205,000
Total	\$9,050,288	-	\$13,164,776	-	-	-	-	\$22,215,064

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	\$46,446	\$47,566	\$48,474	\$206,546	\$349,032
Total:	-	-	-	\$46,446	\$47,566	\$48,474	\$206,546	\$349,032

Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$260,938	\$3,013,396	\$3,274,334
Future Street Bond	-	-	-	-	-	\$1,195,618	\$26,208,786	\$27,404,404
Total:	-	-	-	-	-	\$1,456,556	\$29,222,182	\$30,678,738

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$86,955	\$1,594,711	\$1,681,666
Construction	-	-	-	-	-	-	\$15,488,150	\$15,488,150
Design	-	-	-	-	-	\$1,368,192	\$1,862,683	\$3,230,875
Direct Expenses	-	-	-	-	-	\$1,409	\$55,607	\$57,016
Land Acquisition	-	-	-	-	-	-	\$10,221,031	\$10,221,031
Total	-	-	-	-	-	\$1,456,556	\$29,222,182	\$30,678,738

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$217,777	\$217,777
Total:	-	-	-	-	-	-	\$217,777	\$217,777

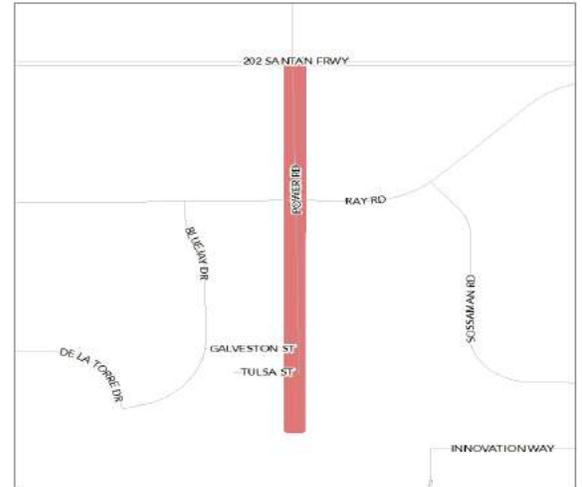
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

CP0104 - Power Road: East Maricopa Floodway(EMF) to Loop 202 Santan

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$964,742	\$12,943,911	\$13,908,653
Total:	-	-	-	-	-	\$964,742	\$12,943,911	\$13,908,653

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$45,941	\$616,377	\$662,318
Construction	-	-	-	-	-	-	\$8,860,004	\$8,860,004
Design	-	-	-	-	-	\$918,801	-	\$918,801
Land Acquisition	-	-	-	-	-	-	\$3,467,530	\$3,467,530
Total	-	-	-	-	-	\$964,742	\$12,943,911	\$13,908,653

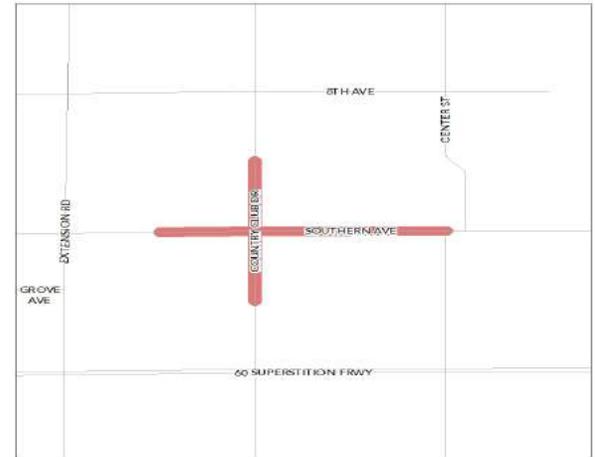
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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.



LEGEND

PROJECT LOCATION



Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$9,817	-	-	-	-	-	-	\$9,817
2008 Street Bond	\$450,228	-	-	-	-	-	-	\$450,228
2010 Gas Bond	\$19,918	-	-	-	-	-	-	\$19,918
2010 Water Bond	\$77,255	-	-	-	-	-	-	\$77,255
Future Electric Bond	-	-	-	-	-	\$28,832	\$365,118	\$393,950
Future Gas Bond	-	-	-	-	-	\$82,453	\$2,014,772	\$2,097,225
Future Street Bond	-	-	-	-	-	\$2,025,070	\$10,290,686	\$12,315,756
Future Wastewater Bond	-	-	-	-	-	\$61,351	\$673,084	\$734,435
Future Water Bond	-	-	-	-	-	-	\$2,758,737	\$2,758,737
Grants - Gen. Gov.	-	-	-	-	-	-	\$2,424,940	\$2,424,940
Total:	\$557,218	-	-	-	-	\$2,197,706	\$18,527,337	\$21,282,261

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$21,694	-	-	-	-	\$108,298	\$564,130	\$694,122
Construction	-	-	-	-	-	-	\$17,255,984	\$17,255,984
Design	\$452,155	-	-	-	-	\$376,275	\$167,426	\$995,856
Direct Expenses	-	-	-	-	-	\$2,373	\$223,723	\$226,096
Land Acquisition	\$83,369	-	-	-	-	\$1,710,760	\$316,074	\$2,110,203
Total	\$557,218	-	-	-	-	\$2,197,706	\$18,527,337	\$21,282,261

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$103,023	\$103,023
Total:	-	-	-	257	-	-	\$103,023	\$103,023

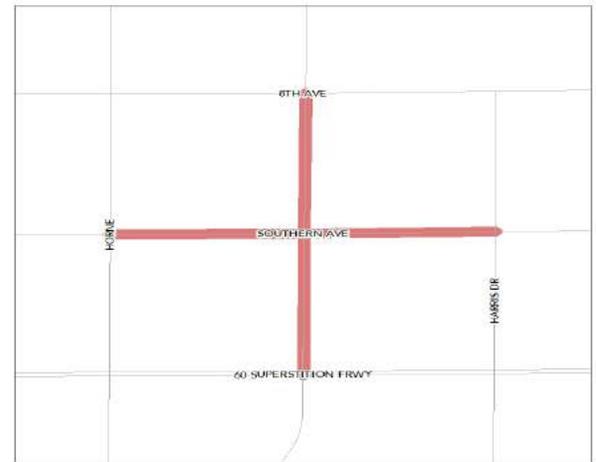
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

C01814 - 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.



LEGEND

PROJECT LOCATION



Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$18,095	-	-	-	-	-	-	\$18,095
2008 Street Bond	\$363,033	-	-	-	-	-	-	\$363,033
2010 Gas Bond	\$44,259	-	-	-	-	-	-	\$44,259
2010 Water Bond	\$6,644	-	-	-	-	-	-	\$6,644
Future Gas Bond	-	-	-	-	-	\$2,353,692	-	\$2,353,692
Future Street Bond	-	-	-	-	\$1,149,299	\$4,821	\$20,282,872	\$21,436,992
Future Wastewater Bond	-	-	-	-	-	-	\$62,014	\$62,014
Future Water Bond	-	-	-	-	-	-	\$252,854	\$252,854
Grants - Gen. Gov.	-	-	-	-	-	-	\$7,398,448	\$7,398,448
Transportation	(\$0)	-	-	-	-	-	-	(\$0)
Total:	\$432,031	-	-	-	\$1,149,299	\$2,358,513	\$27,996,188	\$31,936,031

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$18,250	-	-	-	\$54,729	\$275,600	\$1,304,860	\$1,653,439
Construction	\$42,434	-	-	-	-	\$1,993,248	\$20,083,478	\$22,119,160
Design	\$368,844	-	-	-	-	\$87,584	\$661,225	\$1,117,653
Direct Expenses	-	-	-	-	-	\$2,081	\$59,695	\$61,776
Land Acquisition	\$2,503	-	-	-	\$1,094,570	-	\$5,886,930	\$6,984,003
Total	\$432,031	-	-	-	\$1,149,299	\$2,358,513	\$27,996,188	\$31,936,031

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$51,279	\$51,279
Total:	-	-	-	-	-	-	\$51,279	\$51,279

Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$1,047,457	\$5,930,299	-	-	-	-	\$6,977,756
2014 Wastewater Bond	-	\$23,846	\$241,599	-	-	-	-	\$265,445
2014 Water Bond	-	\$148,400	\$1,562,286	-	-	-	-	\$1,710,686
Total:	-	\$1,219,703	\$7,734,184	-	-	-	-	\$8,953,887

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$60,045	\$389,715	-	-	-	-	\$449,760
Construction	-	-	\$7,313,305	-	-	-	-	\$7,313,305
Design	-	\$930,458	-	-	-	-	-	\$930,458
Direct Expenses	-	-	\$31,164	-	-	-	-	\$31,164
Land Acquisition	-	\$229,200	-	-	-	-	-	\$229,200
Total	-	\$1,219,703	\$7,734,184	-	-	-	-	\$8,953,887

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	\$20,313	\$20,802	\$21,200	\$66,829	\$129,144
Total:	-	-	-	\$20,313	\$20,802	\$21,200	\$66,829	\$129,144

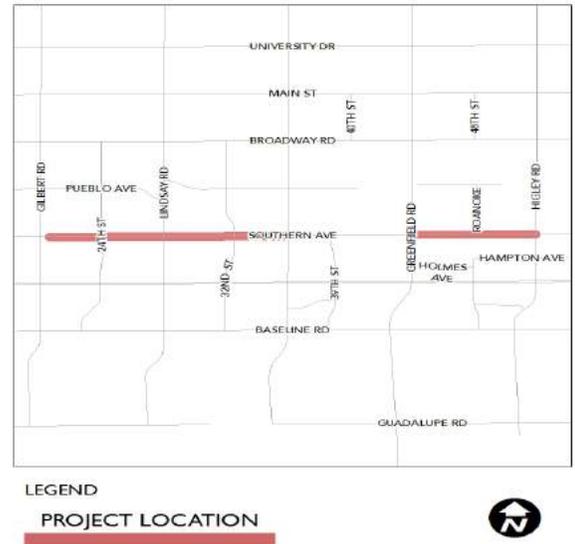
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$5,545,085	-	-	-	-	-	\$5,545,085
Total:	-	\$5,545,085	-	-	-	-	-	\$5,545,085

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$264,052	-	-	-	-	-	\$264,052
Construction	-	\$5,276,033	-	-	-	-	-	\$5,276,033
Direct Expenses	-	\$5,000	-	-	-	-	-	\$5,000
Total	-	\$5,545,085	-	-	-	-	-	\$5,545,085

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets								
Sales Tax	-	-	-	\$48,096	\$49,256	\$50,196	\$158,239	\$305,787
Total:	-	-	-	\$48,096	\$49,256	\$50,196	\$158,239	\$305,787

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

C05041 - Stapley Drive and University Drive Intersection

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$20,376	\$504,045	\$524,421
Future Street Bond	-	-	-	-	\$2,263,770	\$14,113,497	\$8,622,131	\$24,999,398
Future Water Bond	-	-	-	-	\$93,903	\$1,009,995	-	\$1,103,898
Total:	-	-	-	-	\$2,357,673	\$15,143,868	\$9,126,176	\$26,627,717

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$107,799	\$727,068	\$468,565	\$1,303,432
Construction	-	-	-	-	-	\$8,957,203	\$8,640,776	\$17,597,979
Design	-	-	-	-	\$1,046,179	\$534,105	-	\$1,580,284
Direct Expenses	-	-	-	-	\$4,304	\$36,325	\$16,835	\$57,464
Land Acquisition	-	-	-	-	\$1,199,391	\$4,889,167	-	\$6,088,558
Total	-	-	-	-	\$2,357,673	\$15,143,868	\$9,126,176	\$26,627,717

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$99,883	\$99,883
Total:	-	-	-	-	-	-	\$99,883	\$99,883

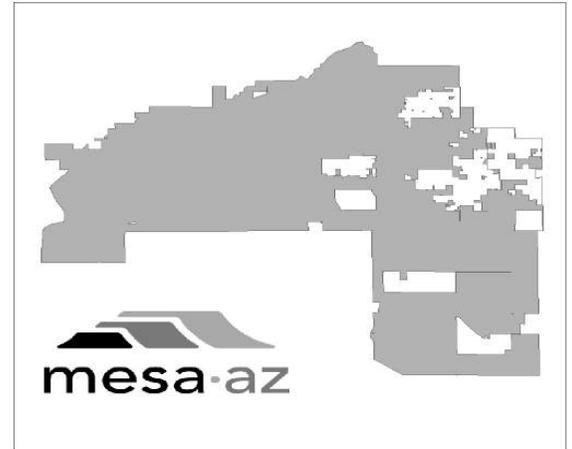
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Regional Transportation Plan

CP0158 - Transportation Funded Projects

Project Description

Reserve a placeholder for projects that are approved in the Regional Transportation Plan reimbursement amounts. The negative amounts shown represent reimbursements to the City of Mesa from regional dollars.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	(\$1,854,265)	(\$3,942,756)	(\$21,495,737)	(\$267,203)	(\$3,367,931)	-	-	(\$30,927,892)
Future Street Bond	-	-	-	-	-	(\$13,080,598)	(\$97,244,623)	(\$110,325,221)
Transportation	\$19,126,332	-	-	-	-	-	-	\$19,126,332
Total:	\$17,272,067	(\$3,942,756)	(\$21,495,737)	(\$267,203)	(\$3,367,931)	(\$13,080,598)	(\$97,244,623)	(\$122,126,781)

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	\$17,272,067	(\$3,943,965)	(\$21,495,737)	(\$267,203)	(\$3,367,931)	(\$13,080,598)	(\$97,244,623)	(\$122,127,990)
Design	-	\$1,209	-	-	-	-	-	\$1,209
Total	\$17,272,067	(\$3,942,756)	(\$21,495,737)	(\$267,203)	(\$3,367,931)	(\$13,080,598)	(\$97,244,623)	(\$122,126,781)

Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

CP0105 - Val Vista Drive: Baseline Road to US60

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$866,803	-	-	-	-	-	\$866,803
Total:	-	\$866,803	-	-	-	-	-	\$866,803

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$41,276	-	-	-	-	-	\$41,276
Construction	-	\$825,527	-	-	-	-	-	\$825,527
Total	-	\$866,803	-	-	-	-	-	\$866,803

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets								
Sales Tax	-	-	\$19,809	\$20,313	\$20,802	\$21,200	\$66,829	\$148,953
Total:	-	-	\$19,809	\$20,313	\$20,802	\$21,200	\$66,829	\$148,953

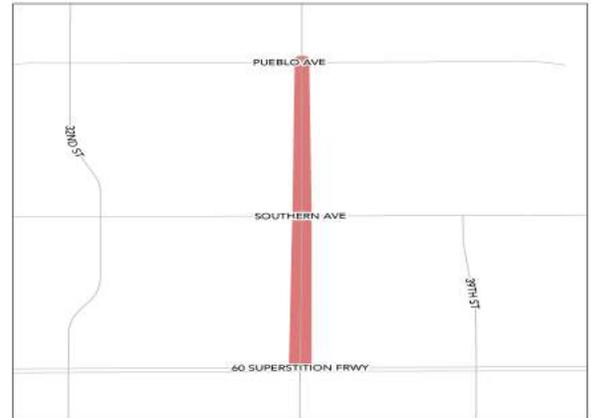
Transportation Major Program Detail Fiscal Years 2017 - 2021

Regional Transportation Plan

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	\$125,853	\$2,151,126	-	-	\$2,276,979
Future Water Bond	-	-	-	\$184,532	\$1,908,687	-	-	\$2,093,219
Transportation	-	-	-	\$1,945,834	\$6,161,994	-	-	\$8,107,828
Total:	-	-	-	\$2,256,219	\$10,221,807	-	-	\$12,478,026

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$116,028	\$633,357	-	-	\$749,385
Construction	-	-	-	-	\$9,568,551	-	-	\$9,568,551
Design	-	-	-	\$1,208,479	-	-	-	\$1,208,479
Direct Expenses	-	-	-	\$111	\$19,899	-	-	\$20,010
Land Acquisition	-	-	-	\$931,601	-	-	-	\$931,601
Total	-	-	-	\$2,256,219	\$10,221,807	-	-	\$12,478,026

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	\$21,200	\$66,829	\$88,029
Total:	-	-	-	-	-	\$21,200	\$66,829	\$88,029

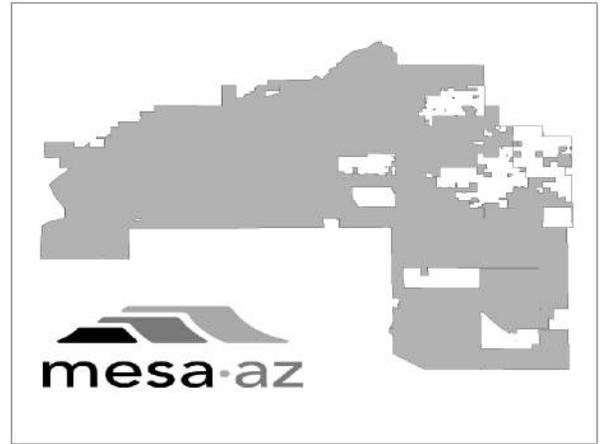
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Shared Use Paths

CP0531 - Bike and Pedestrian Pilot Projects

Project Description

Evaluate transportation, bicycle, and pedestrian projects including the design, before and after studies, implementation to improve the City's multi-modal transportation system.



City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$5,175	\$372,600	\$388,371	\$398,238	-	-	-	\$1,164,384
Total:	\$5,175	\$372,600	\$388,371	\$398,238	-	-	-	\$1,164,384

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$175	\$12,600	\$13,133	\$13,467	-	-	-	\$39,375
Construction	-	\$350,000	\$364,816	\$374,083	-	-	-	\$1,088,899
Design	\$5,000	\$5,000	\$5,211	\$5,344	-	-	-	\$20,555
Land Acquisition	-	\$5,000	\$5,211	\$5,344	-	-	-	\$15,555
Total	\$5,175	\$372,600	\$388,371	\$398,238	-	-	-	\$1,164,384

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928	\$31,296	\$78,655
Total:	-	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928	\$31,296	\$78,655

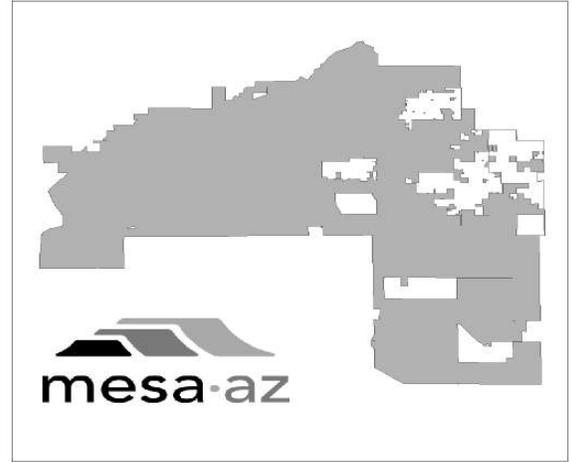
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Shared Use Paths

CP0421 - Bike Share Phase 2

Project Description

Expand bike share program to maximize access, and use of new and existing transportation infrastructure.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895
Total:	-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895
Total	-	\$257,453	\$274,477	\$5,072	\$5,288	\$22,605	-	\$564,895

Transportation Major Program Detail Fiscal Years 2017 - 2021

Shared Use Paths

CP0673 - East Canal Shared Use Path McDowell to Baseline

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$1,521,560	\$3,016,908	\$7,190,329	\$4,211,307	\$15,940,104
Total:	-	-	-	\$1,521,560	\$3,016,908	\$7,190,329	\$4,211,307	\$15,940,104

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$72,455	\$143,662	\$342,397	\$200,539	\$759,053
Construction	-	-	-	-	\$2,873,246	\$6,847,932	\$4,010,768	\$13,731,946
Design	-	-	-	\$1,427,729	-	-	-	\$1,427,729
Land Acquisition	-	-	-	\$21,376	-	-	-	\$21,376
Total	-	-	-	\$1,521,560	\$3,016,908	\$7,190,329	\$4,211,307	\$15,940,104

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	\$13,163	\$69,519	\$82,682
Total:	-	-	-	-	-	\$13,163	\$69,519	\$82,682

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Shared Use Paths

CP0672 - Lehi Crossing Trail

Project Description

Design and construct a shared use path that will extend along the SRP canal service road.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$2,003,676	\$1,183,939	\$14,238,212	-	\$17,425,827
Total:	-	-	-	\$2,003,676	\$1,183,939	\$14,238,212	-	\$17,425,827

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$95,413	\$56,378	\$678,011	-	\$829,802
Construction	-	-	-	-	\$996,212	\$13,560,201	-	\$14,556,413
Design	-	-	-	\$1,908,263	-	-	-	\$1,908,263
Land Acquisition	-	-	-	-	\$131,349	-	-	\$131,349
Total	-	-	-	\$2,003,676	\$1,183,939	\$14,238,212	-	\$17,425,827

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	\$32,906	\$103,735	\$136,641
Total:	-	-	-	-	-	\$32,906	\$103,735	\$136,641

Transportation Major Program Detail Fiscal Years 2017 - 2021

Shared Use Paths

CP0674 - L202 Red Mountain Shared Use Path - Val Vista to Power Rd

Project Description

Design and construct 4 miles of shared-use path to resolve a missing link in the regional non-motorized system.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$233,077	\$6,391,347	\$6,624,424
Total:	-	-	-	-	-	\$233,077	\$6,391,347	\$6,624,424

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$11,099	\$304,350	\$315,449
Construction	-	-	-	-	-	-	\$6,086,997	\$6,086,997
Design	-	-	-	-	-	\$210,824	-	\$210,824
Land Acquisition	-	-	-	-	-	\$11,154	-	\$11,154
Total	-	-	-	-	-	\$233,077	\$6,391,347	\$6,624,424

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$56,051	\$56,051
Total:	-	-	-	-	-	-	\$56,051	\$56,051

Transportation Major Program Detail Fiscal Years 2017 - 2021

Shared Use Paths

CP0274 - Lighting on Consolidated Canal, 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$60,548	\$582,705	-	-	-	-	-	\$643,253
Total:	\$60,548	\$582,705	-	-	-	-	-	\$643,253

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$2,048	\$19,705	-	-	-	-	-	\$21,753
Construction	-	\$563,000	-	-	-	-	-	\$563,000
Design	\$58,500	-	-	-	-	-	-	\$58,500
Total	\$60,548	\$582,705	-	-	-	-	-	\$643,253

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	\$9,516	\$9,758	\$9,993	\$10,184	\$32,106	\$71,557
Total:	-	-	\$9,516	\$9,758	\$9,993	\$10,184	\$32,106	\$71,557

Transportation Major Program Detail Fiscal Years 2017 - 2021

Shared Use Paths

CP0160 - Main Street Complete Streets - Gilbert to Sossaman

Project Description

Improve mobility for all traffic users by installing separated bike lanes and reconstruct Main Street improving mobility, traffic conditions and safety for all users between Gilbert and Sossaman Roads.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	-	-	\$303,990	\$1,596,053	\$3,654,851	\$5,554,894
Total:	-	-	-	-	\$303,990	\$1,596,053	\$3,654,851	\$5,554,894

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$14,476	\$76,003	\$174,041	\$264,520
Construction	-	-	-	-	-	-	\$3,469,246	\$3,469,246
Design	-	-	-	-	\$273,642	\$1,505,884	-	\$1,779,526
Direct Expenses	-	-	-	-	\$5,473	\$5,577	\$11,564	\$22,614
Land Acquisition	-	-	-	-	\$10,399	\$8,589	-	\$18,988
Total	-	-	-	-	\$303,990	\$1,596,053	\$3,654,851	\$5,554,894

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Funding To Be Determined	-	-	-	-	-	-	\$40,495	\$40,495
Total:	-	-	-	-	-	-	\$40,495	\$40,495

Transportation Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	-	\$2,087,801	-	-	-	-	\$2,087,801
Local Streets Sales Tax	-	\$209,285	\$312,178	-	-	-	-	\$521,463
Total:	-	\$209,285	\$2,399,979	-	-	-	-	\$2,609,264

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$9,970	\$114,135	-	-	-	-	\$124,105
Construction	-	-	\$145,926	-	-	-	-	\$145,926
Construction-Grant	-	-	\$2,087,801	-	-	-	-	\$2,087,801
Design	-	\$169,315	-	-	-	-	-	\$169,315
Direct Expenses	-	\$30,000	\$52,117	-	-	-	-	\$82,117
Total	-	\$209,285	\$2,399,979	-	-	-	-	\$2,609,264

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	\$15,765	\$16,145	\$16,453	\$51,867	\$100,230
Total:	-	-	-	\$15,765	\$16,145	\$16,453	\$51,867	\$100,230

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Shared Use Paths

**CP0529 - Southeast Mesa Bike and Pedestrian Path
(Segments 2-5)**

Project Description

Design and construct segments two to five, which are within ADOT's L202 Freeway ROW along and within the rights-of-way of the freeway.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$187,417	\$489,996	\$1,846,144	\$4,286,571	\$6,810,128
Grants - Gen. Gov.	-	-	-	-	\$1,773,203	\$460,270	-	\$2,233,473
Total:	-	-	-	\$187,417	\$2,263,199	\$2,306,414	\$4,286,571	\$9,043,601

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	\$8,925	\$107,771	\$109,829	\$116,076	\$342,601
Construction	-	-	-	-	\$1,970,226	\$2,007,847	\$4,163,094	\$8,141,167
Design	-	-	-	\$171,010	\$175,131	\$178,476	-	\$524,617
Direct Expenses	-	-	-	\$1,069	\$3,503	\$3,570	\$7,401	\$15,543
Land Acquisition	-	-	-	\$6,413	\$6,568	\$6,692	-	\$19,673
Total	-	-	-	\$187,417	\$2,263,199	\$2,306,414	\$4,286,571	\$9,043,601

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	\$54,045	\$170,369	\$224,414
Total:	-	-	-	-	-	\$54,045	\$170,369	\$224,414

Transportation Major Program Detail Fiscal Years 2017 - 2021

Shared Use Paths

CP0108 - West Mesa Connector Shared Use Path

Project Description

Construct a 10-foot wide paved, shared use pathway with landscaping, rest areas and lighting from Country Club Drive to Dobson Road.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2012 Park Bond	\$3,075,982	\$341,881	-	-	-	-	-	\$3,417,863
Total:	\$3,075,982	\$341,881	-	-	-	-	-	\$3,417,863

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$113,628	\$17,095	-	-	-	-	-	\$130,723
Construction	\$2,632,573	\$324,786	-	-	-	-	-	\$2,957,359
Design	\$322,258	-	-	-	-	-	-	\$322,258
Direct Expenses	\$7,522	-	-	-	-	-	-	\$7,522
Total	\$3,075,982	\$341,881	-	-	-	-	-	\$3,417,863

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
General Fund	\$18,750	-	-	-	-	-	-	-
Local Streets Sales Tax	-	\$17,050	\$17,772	\$18,223	\$18,662	\$19,019	\$59,955	\$150,681
Total:	\$18,750	\$17,050	\$17,772	\$18,223	\$18,662	\$19,019	\$59,955	\$150,681

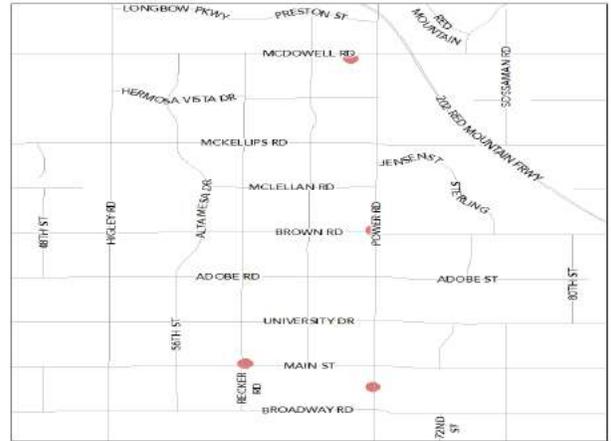
Transportation Major Program Detail Fiscal Years 2017 - 2021

Storm Sewer

CP0491 - Storm Drain Pump Stations

Project Description

Rehabilitate aging storm drain pump stations.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Environmental Compliance Fee	\$2,330,172	\$1,842,750	-	-	-	-	-	\$4,172,922
Total:	\$2,330,172	\$1,842,750	-	-	-	-	-	\$4,172,922

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$45,237	\$87,750	-	-	-	-	-	\$132,987
Construction	\$2,284,935	\$1,755,000	-	-	-	-	-	\$4,039,935
Total	\$2,330,172	\$1,842,750	-	-	-	-	-	\$4,172,922

Transportation Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Environmental Compliance Fee	\$141	\$262,500	\$2,347,588	\$1,130,387	-	-	-	\$3,740,616
Total:	\$141	\$262,500	\$2,347,588	\$1,130,387	-	-	-	\$3,740,616

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$3	\$12,500	\$111,790	\$53,828	-	-	-	\$178,121
Construction	-	-	\$2,084,660	\$1,068,810	-	-	-	\$3,153,470
Design	\$137	\$250,000	-	-	-	-	-	\$250,137
Direct Expenses	-	-	\$151,138	\$7,749	-	-	-	\$158,887
Total	\$141	\$262,500	\$2,347,588	\$1,130,387	-	-	-	\$3,740,616

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Storm Sewer

CP0576 - Sloan Park Drainage Structure

Project Description

Develop all-weather access for maintenance equipment and personnel.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Environmental Compliance Fee	-	\$204,750	-	-	-	-	-	\$204,750
Total:	-	\$204,750	-	-	-	-	-	\$204,750

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$9,750	-	-	-	-	-	\$9,750
Construction	-	\$195,000	-	-	-	-	-	\$195,000
Total	-	\$204,750	-	-	-	-	-	\$204,750

Transportation Major Program Detail Fiscal Years 2017 - 2021

Storm Sewer

CP0611 - 2nd Avenue and Extension Drainage

Project Description

Remedy storm event drainage issues at 2nd Ave and Extension.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Local Streets Sales Tax	-	\$506,761	-	-	-	-	-	\$506,761
Total:	-	\$756,761	-	-	-	-	-	\$756,761

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$36,036	-	-	-	-	-	\$36,036
Construction	-	\$371,667	-	-	-	-	-	\$371,667
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	-	\$89,058	-	-	-	-	-	\$89,058
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
Total	-	\$756,761	-	-	-	-	-	\$756,761

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676
Total:	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Storm Sewer

CP0612 - Summer and Bates Drainage

Project Description

Remedy drainage issues at Summer and Bates.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	-	\$260,583	-	-	-	-	\$260,583
Local Streets Sales Tax	-	-	\$858,197	-	-	-	-	\$858,197
Total:	-	-	\$1,118,780	-	-	-	-	\$1,118,780

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$53,276	-	-	-	-	\$53,276
Construction	-	-	\$661,431	-	-	-	-	\$661,431
Construction-Grant	-	-	\$260,583	-	-	-	-	\$260,583
Design	-	-	\$133,067	-	-	-	-	\$133,067
Land Acquisition	-	-	\$10,423	-	-	-	-	\$10,423
Total	-	-	\$1,118,780	-	-	-	-	\$1,118,780

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	-	\$5,344	\$5,473	\$5,577	\$17,582	\$33,976
Total:	-	-	-	\$5,344	\$5,473	\$5,577	\$17,582	\$33,976

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Storm Sewer

CP0613 - 63rd and Broadway Drainage

Project Description

Remedy drainage issues at 63rd and Broadway.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Local Streets Sales Tax	-	\$344,581	-	-	-	-	-	\$344,581
Total:	-	\$594,581	-	-	-	-	-	\$594,581

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$28,313	-	-	-	-	-	\$28,313
Construction	-	\$235,388	-	-	-	-	-	\$235,388
Construction-Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	-	\$70,880	-	-	-	-	-	\$70,880
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
Total	-	\$594,581	-	-	-	-	-	\$594,581

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676
Total:	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Storm Sewer

CP0614 - Solomon and Southern Drainage

Project Description

Remedy drainage issues at Solomon and Southern.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
Local Streets Sales Tax	-	\$347,988	-	-	-	-	-	\$347,988
Total:	-	\$597,988	-	-	-	-	-	\$597,988

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$28,476	-	-	-	-	-	\$28,476
Construction	-	\$236,175	-	-	-	-	-	\$236,175
Construction- Grant	-	\$250,000	-	-	-	-	-	\$250,000
Design	-	\$73,337	-	-	-	-	-	\$73,337
Land Acquisition	-	\$10,000	-	-	-	-	-	\$10,000
Total	-	\$597,988	-	-	-	-	-	\$597,988

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Environmental Compliance Fee	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676
Total:	-	-	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$15,676

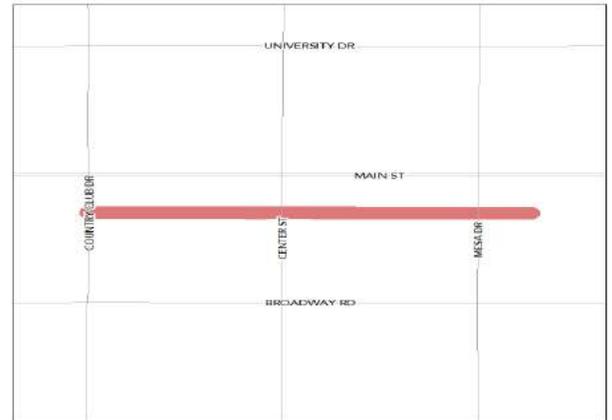
Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0279 - 1st Avenue Improvements

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	-	\$1,800,000	-	-	-	-	-	\$1,800,000
2013 Street Bond	\$990,410	-	-	-	-	-	-	\$990,410
2014 Electric Bond	\$106,831	\$2,735,661	-	-	-	-	-	\$2,842,492
2014 Gas Bond	\$2	\$1,517,974	-	-	-	-	-	\$1,517,976
2014 Wastewater Bond	-	\$195,080	-	-	-	-	-	\$195,080
2014 Water Bond	-	\$2,665,565	-	-	-	-	-	\$2,665,565
General Fund	\$108	-	-	-	-	-	-	\$108
Local Streets Sales Tax	-	\$1,000,000	-	-	-	-	-	\$1,000,000
Total:	\$1,097,350	\$9,914,280	-	-	-	-	-	\$11,011,630

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$20,649	\$714,469	-	-	-	-	-	\$735,118
Construction	\$948,208	\$8,668,250	-	-	-	-	-	\$9,616,458
Design	\$128,392	\$507,900	-	-	-	-	-	\$636,292
Direct Expenses	\$101	\$21,161	-	-	-	-	-	\$21,262
Land Acquisition	-	\$2,500	-	-	-	-	-	\$2,500
Total	\$1,097,350	\$9,914,280	-	-	-	-	-	\$11,011,630

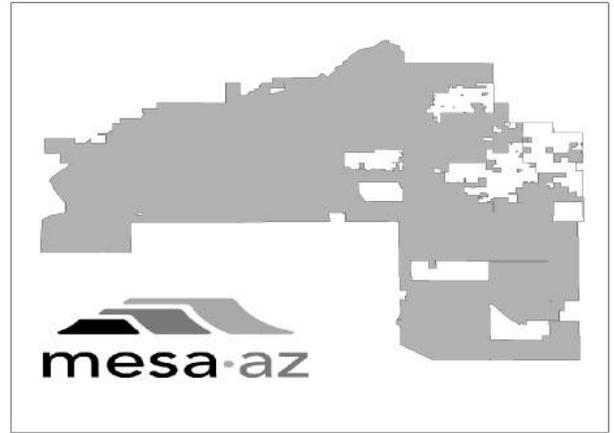
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

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. Projects include upgrades to any concrete ramps, driveways and sidewalks to current ADA standards.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$17,911	-	-	-	-	-	-	\$17,911
2010 Water Bond	\$1,123,779	-	-	-	-	-	-	\$1,123,779
2013 Street Bond	\$13,371,864	\$7,701,875	-	-	-	-	-	\$21,073,739
2014 Water Bond	\$23,667	-	-	-	-	-	-	\$23,667
Future Street Bond	-	-	-	\$4,376,777	\$8,430,285	\$11,426,767	\$23,692,407	\$47,926,236
Future Water Bond	-	-	-	-	-	\$970,024	-	\$970,024
Total:	\$14,537,221	\$7,701,875	-	\$4,376,777	\$8,430,285	\$12,396,791	\$23,692,407	\$71,135,356

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$700,154	\$414,375	-	\$208,418	\$401,442	\$590,324	\$1,128,210	\$3,442,923
Construction	\$12,544,025	\$6,862,500	-	\$3,943,909	\$7,165,854	\$10,809,686	\$20,516,424	\$61,842,398
Design	\$1,213,745	\$340,000	-	\$181,698	\$811,229	\$933,491	\$1,935,513	\$5,415,676
Direct Expenses	\$79,297	\$85,000	-	\$42,752	\$51,760	\$63,290	\$112,260	\$434,359
Total	\$14,537,221	\$7,701,875	-	\$4,376,777	\$8,430,285	\$12,396,791	\$23,692,407	\$71,135,356

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0710 - Broadway Rd: Tempe City Limits to Gilbert Rd

Project Description

Improve the Broadway Rd streetscape from Tempe City limit to Gilbert Rd.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	-	\$383,250	-	-	-	-	-	\$383,250
Local Streets Sales Tax	-	\$400,000	\$938,097	-	-	-	-	\$1,338,097
Total:	-	\$783,250	\$938,097	-	-	-	-	\$1,721,347

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$38,250	\$46,905	-	-	-	-	\$85,155
Design	-	\$745,000	\$891,192	-	-	-	-	\$1,636,192
Total	-	\$783,250	\$938,097	-	-	-	-	\$1,721,347

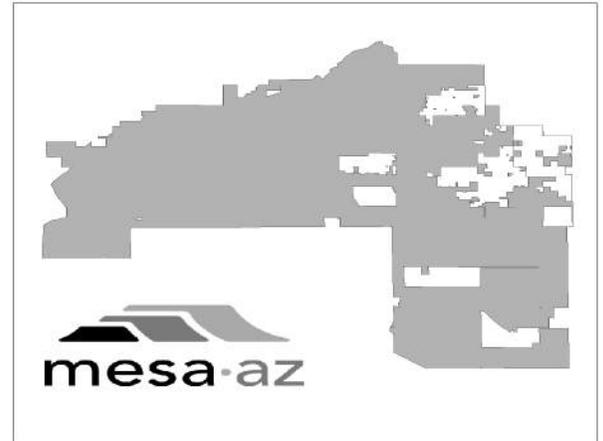
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0532 - Building Stronger Neighborhoods

Project Description

Install ADA Ramps and missing sidewalks citywide to improve accessibility.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$20,350	\$517,650	\$452,007	\$463,489	-	-	-	\$1,453,496
Total:	\$20,350	\$517,650	\$452,007	\$463,489	-	-	-	\$1,453,496

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$350	\$24,650	\$21,524	\$22,071	-	-	-	\$68,595
Construction	-	\$430,000	\$364,816	\$374,083	-	-	-	\$1,168,899
Design	\$20,000	\$46,000	\$47,947	\$49,165	-	-	-	\$163,112
Land Acquisition	-	\$17,000	\$17,720	\$18,170	-	-	-	\$52,890
Total	\$20,350	\$517,650	\$452,007	\$463,489	-	-	-	\$1,453,496

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928	\$31,296	\$78,655
Total:	-	\$8,900	\$9,277	\$9,512	\$9,742	\$9,928	\$31,296	\$78,655

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CN0003 - City Share Program

Project Description

Provide funding for 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	\$545,487	\$1,535,625	\$1,600,628	-	-	-	-	\$3,681,740
Future Street Bond	-	-	-	\$547,097	\$1,150,448	\$1,172,414	\$2,430,900	\$5,300,859
Total:	\$545,487	\$1,535,625	\$1,600,628	\$547,097	\$1,150,448	\$1,172,414	\$2,430,900	\$8,982,599

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$12,500	\$73,125	\$76,220	\$26,052	\$54,783	\$55,829	\$115,758	\$414,267
Construction	\$527,987	\$1,447,500	\$1,508,773	\$515,701	\$1,094,570	\$1,115,470	\$2,312,830	\$8,522,831
Direct Expenses	\$5,000	\$15,000	\$15,635	\$5,344	\$1,095	\$1,115	\$2,312	\$45,501
Total	\$545,487	\$1,535,625	\$1,600,628	\$547,097	\$1,150,448	\$1,172,414	\$2,430,900	\$8,982,599

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$28,485	\$92,038	\$94,376	\$96,651	\$98,496	\$310,499	\$720,545
Total:	-	\$28,485	\$92,038	\$94,376	\$96,651	\$98,496	\$310,499	\$720,545

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0530 - Dobson Road, US 60 to Broadway

Project Description

Construct this segment of Dobson Rd as a complete street; therefore, improving mobility, traffic conditions and safety for all users.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Funding To Be Determined	-	-	\$16,181	\$478,991	\$2,869,586	\$2,924,377	\$2,484,033	\$8,773,168
Total:	-	-	\$16,181	\$478,991	\$2,869,586	\$2,924,377	\$2,484,033	\$8,773,168

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$547	\$16,198	\$97,039	\$98,892	\$84,001	\$296,677
Construction	-	-	-	-	\$2,298,597	\$2,342,487	\$2,396,836	\$7,037,920
Design	-	-	\$15,634	\$374,083	\$383,100	\$390,414	-	\$1,163,231
Direct Expenses	-	-	-	\$3,206	\$3,284	\$3,346	\$3,196	\$13,032
Land Acquisition	-	-	-	\$85,504	\$87,566	\$89,238	-	\$262,308
Total	-	-	\$16,181	\$478,991	\$2,869,586	\$2,924,377	\$2,484,033	\$8,773,168

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Funding To Be Determined	-	-	-	-	-	\$21,752	\$68,570	\$90,322
Local Streets Sales Tax	\$37,050	-	-	-	-	-	-	-
Total:	\$37,050	-	-	-	-	\$21,752	\$68,570	\$90,322

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

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 vactor 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Environmental Compliance Fee	\$301,050	\$519,750	-	-	-	-	-	\$820,800
Total:	\$301,050	\$519,750	-	-	-	-	-	\$820,800

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$10,500	\$24,750	-	-	-	-	-	\$35,250
Construction	\$260,550	\$490,000	-	-	-	-	-	\$750,550
Design	\$30,000	-	-	-	-	-	-	\$30,000
Direct Expenses	-	\$5,000	-	-	-	-	-	\$5,000
Total	\$301,050	\$519,750	-	-	-	-	-	\$820,800

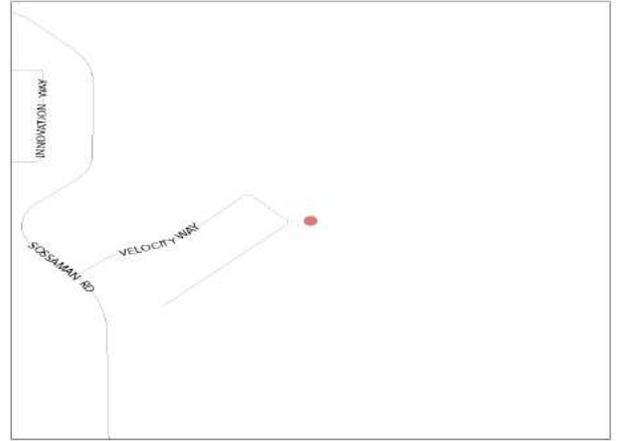
Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0217 - East Side Improvements at Phoenix-Mesa Gateway Airport

Project Description

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



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	\$144	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,144
Total:	\$144	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,144

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$5	-	-	-	-	-	-	\$5
Design	\$139	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,139
Total	\$144	-	-	\$3,000,000	\$2,000,000	-	-	\$5,000,144

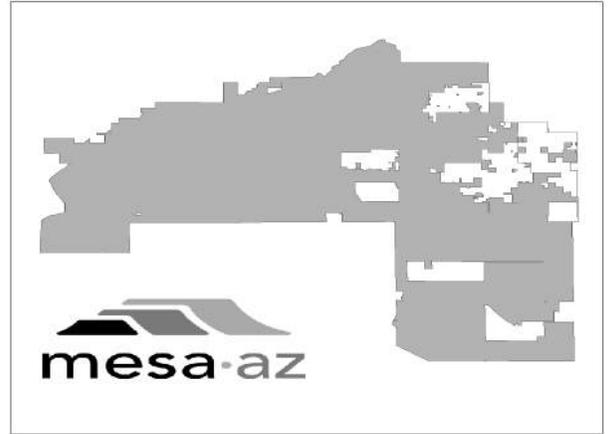
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0665 - Intersection Road Safety Assessment

Project Description

Conduct road safety, DCR and crash analysis studies to determine intersection improvements needed at Southern/Country Club and Southern/Stapley intersections.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$168,000	-	-	-	-	-	\$168,000
Total:	-	\$168,000	-	-	-	-	-	\$168,000

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$8,000	-	-	-	-	-	\$8,000
Design	-	\$160,000	-	-	-	-	-	\$160,000
Total	-	\$168,000	-	-	-	-	-	\$168,000

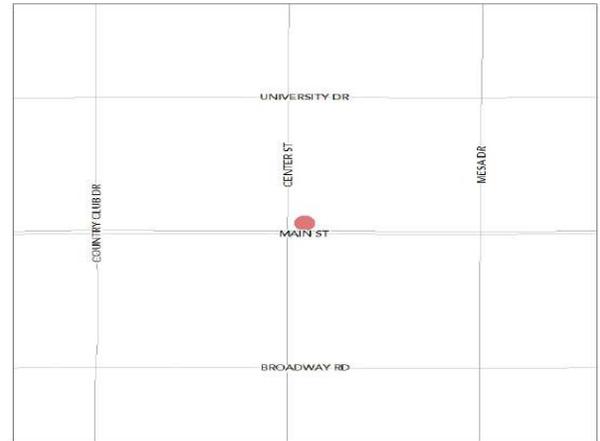
Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0668 - Main Street Tree Revitalization Project

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$89,250	\$164,167	\$168,338	\$143,662	-	-	\$565,417
Total:	-	\$89,250	\$164,167	\$168,338	\$143,662	-	-	\$565,417

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$4,250	\$7,817	\$8,016	\$6,841	-	-	\$26,924
Construction	-	-	\$156,350	\$160,322	\$136,821	-	-	\$453,493
Design	-	\$85,000	-	-	-	-	-	\$85,000
Total	-	\$89,250	\$164,167	\$168,338	\$143,662	-	-	\$565,417

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0664 - Mesa Drive: Main Street to Brown

Project Description

Complete Improvements along the Mesa Drive Corridor tying into the newly improved Mesa Drive. It will also improve the mobilization characteristics for pedestrian, bicyclists, transit and vehicular traffic along Mesa Drive.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$341,109	\$17,785,561	\$18,126,670
Total:	-	-	-	-	-	\$341,109	\$17,785,561	\$18,126,670

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$16,243	\$846,932	\$863,175
Construction	-	-	-	-	-	-	\$15,769,785	\$15,769,785
Design	-	-	-	-	-	\$323,486	-	\$323,486
Direct Expenses	-	-	-	-	-	\$1,380	\$21,468	\$22,848
Land Acquisition	-	-	-	-	-	-	\$1,147,376	\$1,147,376
Total	-	-	-	-	-	\$341,109	\$17,785,561	\$18,126,670

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$54,175	\$54,175
Total:	-	-	-	-	-	-	\$54,175	\$54,175

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0669 - Multi-Use Path ROW Improvements

Project Description

Install decomposed granite, dust palliative or landscape along unimproved areas adjacent to multi-use paths.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$455,595	\$539,562	\$320,963	-	-	-	\$1,316,120
Total:	-	\$455,595	\$539,562	\$320,963	-	-	-	\$1,316,120

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$21,695	\$25,693	\$15,284	-	-	-	\$62,672
Construction	-	\$430,000	\$471,133	\$280,028	-	-	-	\$1,181,161
Design	-	\$3,900	\$42,736	\$25,651	-	-	-	\$72,287
Total	-	\$455,595	\$539,562	\$320,963	-	-	-	\$1,316,120

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0281 - Pedestrian Connection west of Dobson Rd

Project Description

Construct a turnaround for the Police Department and of various roadway and sidewalk improvements to positively increase the pedestrian experience along the light rail.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$235,138	-	-	-	\$235,138
Total:	-	-	-	\$235,138	-	-	-	\$235,138

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	\$235,138	-	-	-	\$235,138
Total	-	-	-	\$235,138	-	-	-	\$235,138

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0426 - Railroad Quiet Zone

Project Description

Establish a Quiet Zone on the segment of rail road from Southern Avenue to Dobson Road where the train would not sound its horn going through intersections with roadways.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$403,168	\$310,943	-	-	-	-	-	\$714,111
Total:	\$403,168	\$310,943	-	-	-	-	-	\$714,111

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$13,771	\$14,807	-	-	-	-	-	\$28,578
Construction	\$356,472	\$296,136	-	-	-	-	-	\$652,608
Design	\$32,925	-	-	-	-	-	-	\$32,925
Total	\$403,168	\$310,943	-	-	-	-	-	\$714,111

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$26,168	\$27,161	\$27,802	\$28,475	\$29,019	\$91,479	\$230,104
Total:	-	\$26,168	\$27,161	\$27,802	\$28,475	\$29,019	\$91,479	\$230,104

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0660 - Rail Road ROW 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	-	\$113,925	\$65,667	-	-	-	-	\$179,592
Total:	-	\$113,925	\$65,667	-	-	-	-	\$179,592

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$5,425	\$3,127	-	-	-	-	\$8,552
Construction	-	\$60,000	\$62,540	-	-	-	-	\$122,540
Design	-	\$36,000	-	-	-	-	-	\$36,000
Land Acquisition	-	\$12,500	-	-	-	-	-	\$12,500
Total	-	\$113,925	\$65,667	-	-	-	-	\$179,592

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0703 - Right-of-way Landscaping Improvements

Project Description

Install landscaping enhancements citywide in the right-of way.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409
Total:	-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409
Total	-	-	-	\$641,286	\$328,371	\$446,188	\$1,406,564	\$2,822,409

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0528 - Roosevelt Road Improvements from Broadway to 8th

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$128,340	\$857,115	-	-	-	-	-	\$985,455
Total:	\$128,340	\$857,115	-	-	-	-	-	\$985,455

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$4,340	\$40,815	-	-	-	-	-	\$45,155
Construction	-	\$816,300	-	-	-	-	-	\$816,300
Design	\$109,000	-	-	-	-	-	-	\$109,000
Land Acquisition	\$15,000	-	-	-	-	-	-	\$15,000
Total	\$128,340	\$857,115	-	-	-	-	-	\$985,455

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	\$27,161	\$27,802	\$28,475	\$29,019	\$91,479	\$203,936
Total:	-	-	\$27,161	\$27,802	\$28,475	\$29,019	\$91,479	\$203,936

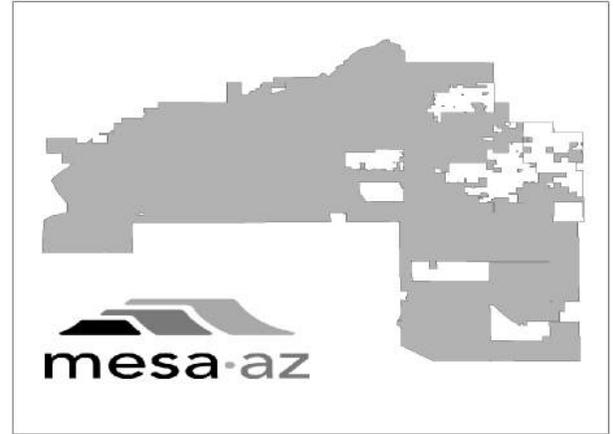
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

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 problems because they are structurally unsound and subject to falling over.



City Wide

Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	\$1,378,336	\$700,000	\$133,418	-	-	-	-	\$2,211,754
Future Street Bond	-	-	-	\$2,137,620	\$2,189,140	\$2,230,940	\$9,505,940	\$16,063,640
Total:	\$1,378,336	\$700,000	\$133,418	\$2,137,620	\$2,189,140	\$2,230,940	\$9,505,940	\$18,275,394

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$22,604	-	-	-	-	-	-	\$22,604
Direct Expenses	\$37,820	-	-	-	-	-	-	\$37,820
Purchases	\$1,317,912	\$700,000	\$133,418	\$2,137,620	\$2,189,140	\$2,230,940	\$9,505,940	\$18,214,970
Total	\$1,378,336	\$700,000	\$133,418	\$2,137,620	\$2,189,140	\$2,230,940	\$9,505,940	\$18,275,394

Transportation Major Program Detail Fiscal Years 2017 - 2021

Streets

CP0666 - Stapley and Broadway Intersection Improvements

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$449,108	\$7,024,677	\$7,473,785
Total:	-	-	-	-	-	\$449,108	\$7,024,677	\$7,473,785

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$21,386	\$334,508	\$355,894
Construction	-	-	-	-	-	-	\$5,503,247	\$5,503,247
Design	-	-	-	-	-	\$426,342	-	\$426,342
Direct Expenses	-	-	-	-	-	\$1,380	\$21,468	\$22,848
Land Acquisition	-	-	-	-	-	-	\$1,165,454	\$1,165,454
Total	-	-	-	-	-	\$449,108	\$7,024,677	\$7,473,785

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	-	-	-	-	\$43,174	\$43,174
Total:	-	-	-	-	-	-	\$43,174	\$43,174

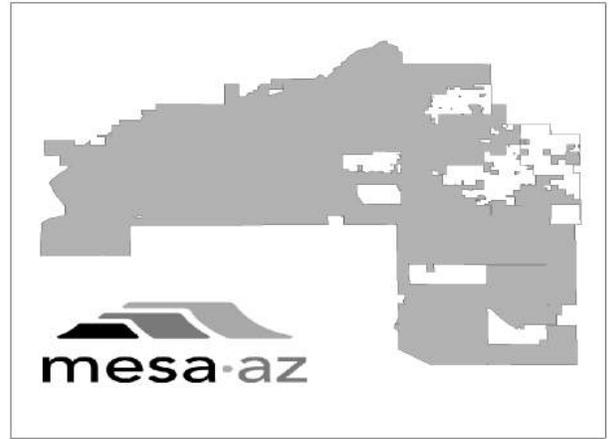
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0106 - Street Light Management System

Project Description

Purchase a Street Light Management System for the Transportation Department.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Street Bond	-	-	-	-	-	\$221,131	\$7,266,471	\$7,487,602
Total:	-	-	-	-	-	\$221,131	\$7,266,471	\$7,487,602

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$10,530	\$346,022	\$356,552
Construction	-	-	-	-	-	-	\$6,913,511	\$6,913,511
Design	-	-	-	-	-	\$159,289	-	\$159,289
Direct Expenses	-	-	-	-	-	\$2,231	\$6,938	\$9,169
Land Acquisition	-	-	-	-	-	\$49,081	-	\$49,081
Total	-	-	-	-	-	\$221,131	\$7,266,471	\$7,487,602

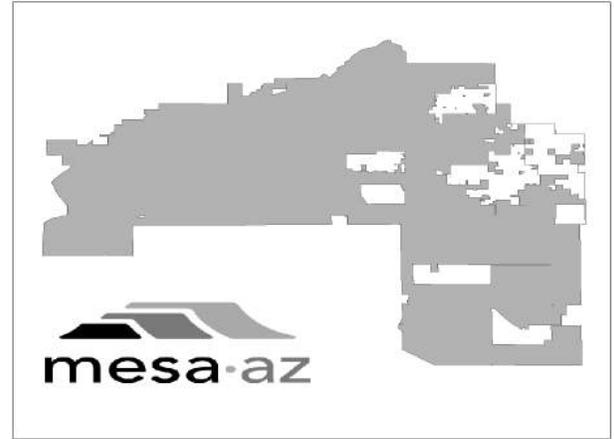
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0294 - Street Light 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	\$832,968	\$700,000	\$260,583	-	-	-	-	\$1,793,551
Future Street Bond	-	-	-	\$748,167	\$766,199	\$780,829	\$3,327,079	\$5,622,274
Total:	\$832,968	\$700,000	\$260,583	\$748,167	\$766,199	\$780,829	\$3,327,079	\$7,415,825

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$28,239	-	-	-	-	-	-	\$28,239
Construction	\$804,729	\$700,000	\$260,583	\$748,167	\$766,199	\$780,829	\$3,327,079	\$7,387,586
Total	\$832,968	\$700,000	\$260,583	\$748,167	\$766,199	\$780,829	\$3,327,079	\$7,415,825

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	-	\$7,817	\$16,032	\$24,683	\$25,154	\$79,295	\$152,981
Total:	-	-	\$7,817	\$16,032	\$24,683	\$25,154	\$79,295	\$152,981

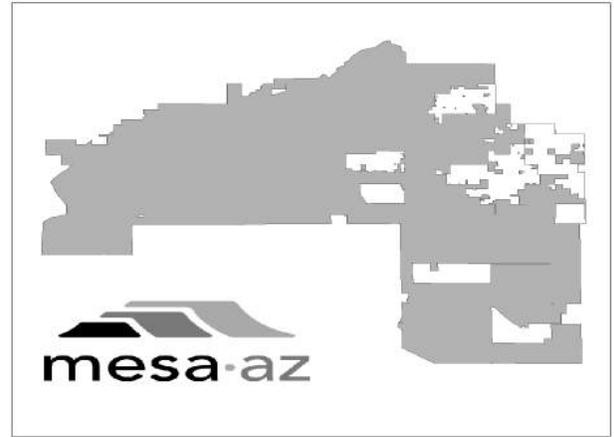
**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0342 - Streets - Economic Development

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2013 Street Bond	\$2,000,000	\$3,000,000	-	-	-	-	-	\$5,000,000
2014 Wastewater Bond	\$385,200	\$388,800	\$405,258	\$415,554	-	-	-	\$1,594,812
2014 Water Bond	\$707,001	\$713,733	\$743,945	\$762,847	-	-	-	\$2,927,526
Future Street Bond	-	-	-	\$2,137,620	\$3,283,710	\$2,230,940	\$9,377,750	\$17,030,020
Total:	\$3,092,201	\$4,102,533	\$1,149,203	\$3,316,021	\$3,283,710	\$2,230,940	\$9,377,750	\$26,552,358

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$58,867	\$69,200	\$72,129	\$73,962	-	-	-	\$274,158
Construction	\$3,000,000	\$3,999,999	\$1,042,329	\$3,206,430	\$3,283,710	\$2,230,940	\$9,377,750	\$26,141,158
Direct Expenses	\$33,334	\$33,334	\$34,745	\$35,629	-	-	-	\$137,042
Total	\$3,092,201	\$4,102,533	\$1,149,203	\$3,316,021	\$3,283,710	\$2,230,940	\$9,377,750	\$26,552,358

**Transportation Major Program Detail
Fiscal Years 2017 - 2021**

Streets

CP0450 - Traffic Signals - New and Upgrade

Project Description

Install new traffic signals, or upgrade existing ones. The signals are expected to improve safety, lessen traffic delays, and reduce driver confusion when making turns at the intersection.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Local Streets Sales Tax	\$2,100,426	-	-	-	-	-	-	\$2,100,426
Total:	\$2,100,426	-	-	-	-	-	-	\$2,100,426

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$70,294	-	-	-	-	-	-	\$70,294
Construction	\$1,575,312	-	-	-	-	-	-	\$1,575,312
Design	\$310,868	-	-	-	-	-	-	\$310,868
Direct Expenses	\$142,000	-	-	-	-	-	-	\$142,000
Land Acquisition	\$1,951	-	-	-	-	-	-	\$1,951
Total	\$2,100,426	-	-	-	-	-	-	\$2,100,426

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Local Streets Sales Tax	-	\$5,500	\$5,733	\$5,878	\$12,040	\$18,405	\$116,384	\$163,940
Total:	-	\$5,500	\$5,733	\$5,878	\$12,040	\$18,405	\$116,384	\$163,940

Transportation Major Program Detail Fiscal Years 2017 - 2021

Transit

CP0296 - Gilbert Road Light Rail Extension

Project Description

Construct approximately 2 miles of double track alignment extending along Main Street from Edgemont to a new end of line station at Gilbert Road.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Transit Fund	\$1,474,045	\$11,969,822	\$12,136,983	-	-	-	-	\$25,580,850
Total:	\$1,474,045	\$11,969,822	\$12,136,983	-	-	-	-	\$25,580,850

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$14,216	\$401,016	\$401,016	-	-	-	-	\$816,248
Construction	\$47,183	-	-	-	-	-	-	\$47,183
Design	\$1,412,646	\$3,949,486	\$4,116,668	-	-	-	-	\$9,478,800
Direct Expenses	-	\$1,380,330	\$1,380,326	-	-	-	-	\$2,760,656
Land Acquisition	-	\$6,238,990	\$6,238,973	-	-	-	-	\$12,477,963
Total	\$1,474,045	\$11,969,822	\$12,136,983	-	-	-	-	\$25,580,850

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Transit Fund	-	-	-	\$2,554,456	\$4,012,694	\$4,089,313	\$17,395,871	\$28,052,334
Total:	-	-	-	\$2,554,456	\$4,012,694	\$4,089,313	\$17,395,871	\$28,052,334

Transportation Major Program Detail Fiscal Years 2017 - 2021

Transit

CP0562 - Gilbert Road Light Rail Extension Concurrent Improvements

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Electric Bond	\$40,500	\$1,154,951	-	-	-	-	-	\$1,195,451
Total:	\$40,500	\$1,154,951	-	-	-	-	-	\$1,195,451

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$2,292	\$95,363	-	-	-	-	-	\$97,655
Construction	-	\$1,058,528	-	-	-	-	-	\$1,058,528
Design	\$38,168	-	-	-	-	-	-	\$38,168
Direct Expenses	\$40	\$1,060	-	-	-	-	-	\$1,100
Total	\$40,500	\$1,154,951	-	-	-	-	-	\$1,195,451



City of Mesa

Five-Year Capital Improvement Program
FY 2017 - 2021

TRANSPORTATION PROJECTS

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

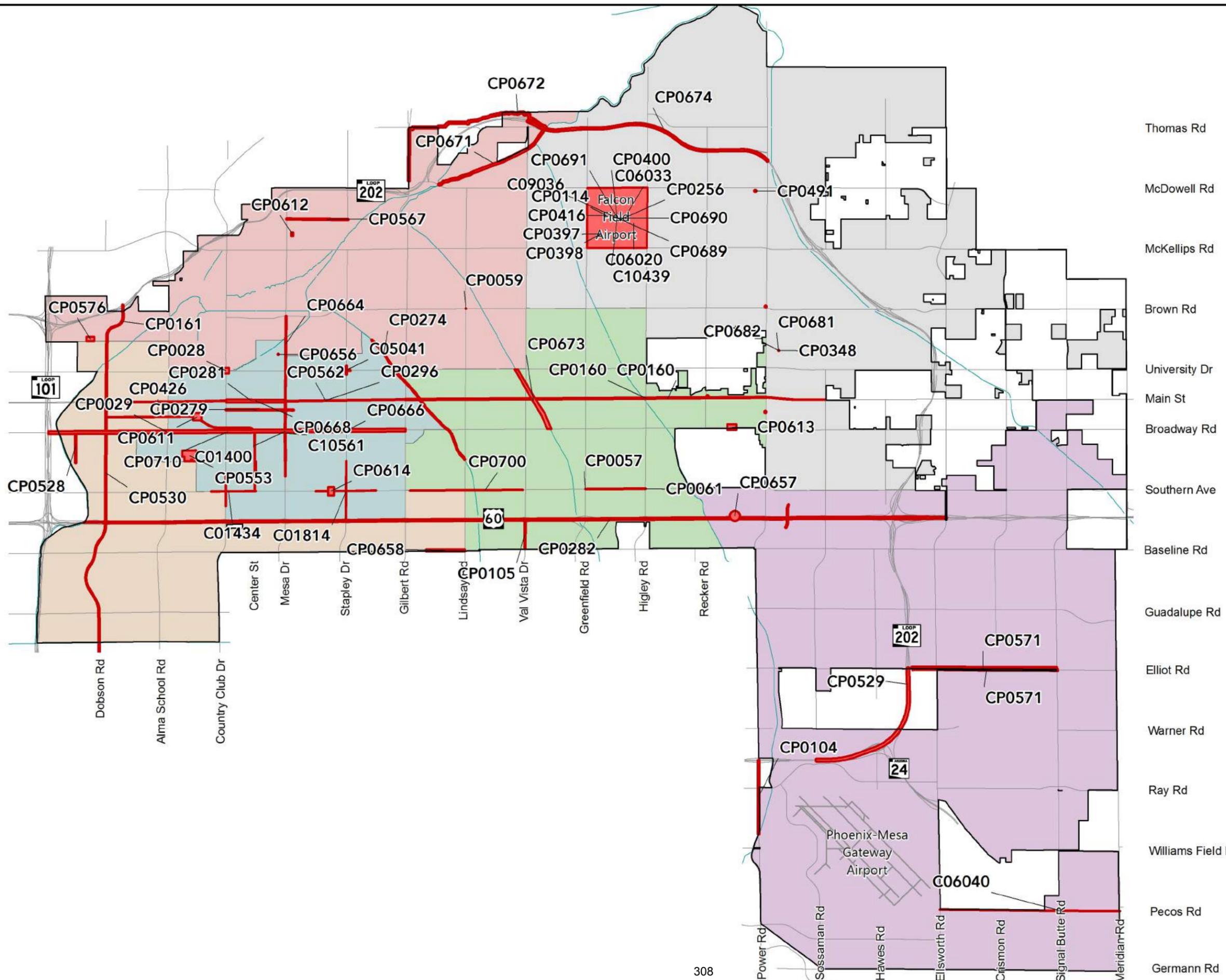
Citywide, External or Location TBD Projects

- | | |
|--------|--------|
| CN0003 | CP0432 |
| CP0106 | CP0439 |
| CP0109 | CP0531 |
| CP0158 | CP0532 |
| CP0278 | CP0586 |
| CP0294 | CP0653 |
| CP0342 | CP0654 |
| CP0421 | CP0655 |



MAP CREATION DATE: 6/23/2016
MAP CREATED BY: Engineering-GIS

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

Utilities



Fiscal Years
2017-2021
City of Mesa, Arizona

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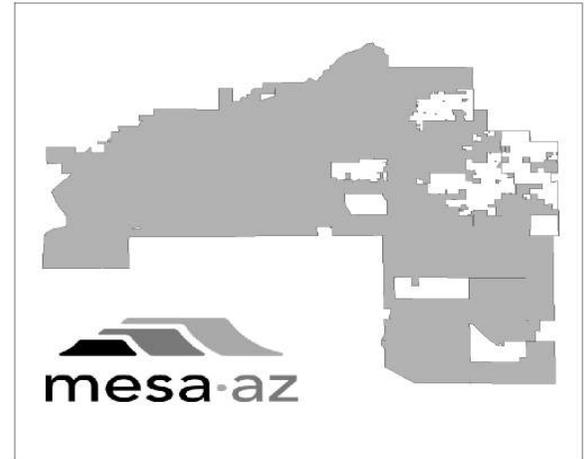
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$3,610,149	-	-	-	-	-	-	\$3,610,149
2014 Electric Bond	\$781,471	\$803,589	\$752,310	-	-	-	-	\$2,337,370
Future Electric Bond	-	-	-	\$771,422	\$610,872	\$622,536	\$2,652,599	\$4,657,429
Total:	\$4,391,620	\$803,589	\$752,310	\$771,422	\$610,872	\$622,536	\$2,652,599	\$10,604,948

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$406,239	\$66,352	\$62,118	\$63,696	\$50,439	\$51,402	\$219,022	\$919,268
Construction	\$3,914,700	\$736,500	\$689,502	\$707,018	\$559,873	\$570,563	\$2,431,144	\$9,609,300
Design	\$69,944	-	-	-	-	-	-	\$69,944
Direct Expenses	\$737	\$737	\$690	\$708	\$560	\$571	\$2,433	\$6,436
Total	\$4,391,620	\$803,589	\$752,310	\$771,422	\$610,872	\$622,536	\$2,652,599	\$10,604,948

Utilities Major Program Detail Fiscal Years 2017 - 2021

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$264,867	-	-	-	-	-	-	\$264,867
2014 Electric Bond	\$2,235,653	\$2,271,649	\$2,367,808	-	-	-	-	\$6,875,110
Future Electric Bond	-	-	-	\$2,457,114	\$2,516,335	\$2,564,383	\$10,828,214	\$18,366,046
Total:	\$2,500,520	\$2,271,649	\$2,367,808	\$2,457,114	\$2,516,335	\$2,564,383	\$10,828,214	\$25,506,023

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$148,080	\$187,567	\$195,507	\$202,880	\$207,770	\$211,737	\$894,071	\$2,047,612
Construction	\$2,350,333	\$2,082,000	\$2,170,131	\$2,251,982	\$2,306,259	\$2,350,296	\$9,924,218	\$23,435,219
Direct Expenses	\$2,107	\$2,082	\$2,170	\$2,252	\$2,306	\$2,350	\$9,925	\$23,192
Total	\$2,500,520	\$2,271,649	\$2,367,808	\$2,457,114	\$2,516,335	\$2,564,383	\$10,828,214	\$25,506,023

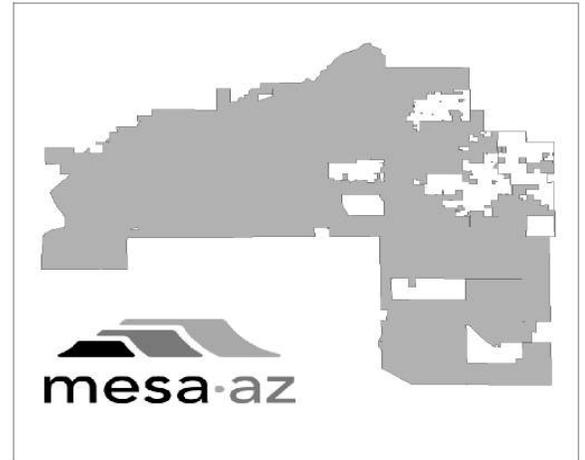
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Electric Bond	\$265,265	\$272,773	\$284,320	-	-	-	-	\$822,358
Future Electric Bond	-	-	-	\$291,543	\$298,570	\$304,271	\$1,296,482	\$2,190,866
Total:	\$265,265	\$272,773	\$284,320	\$291,543	\$298,570	\$304,271	\$1,296,482	\$3,013,224

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$15,015	\$22,523	\$23,476	\$24,073	\$24,653	\$25,124	\$107,051	\$241,915
Construction	\$250,000	\$250,000	\$260,583	\$267,203	\$273,643	\$278,868	\$1,188,243	\$2,768,540
Direct Expenses	\$250	\$250	\$261	\$267	\$274	\$279	\$1,188	\$2,769
Total	\$265,265	\$272,773	\$284,320	\$291,543	\$298,570	\$304,271	\$1,296,482	\$3,013,224

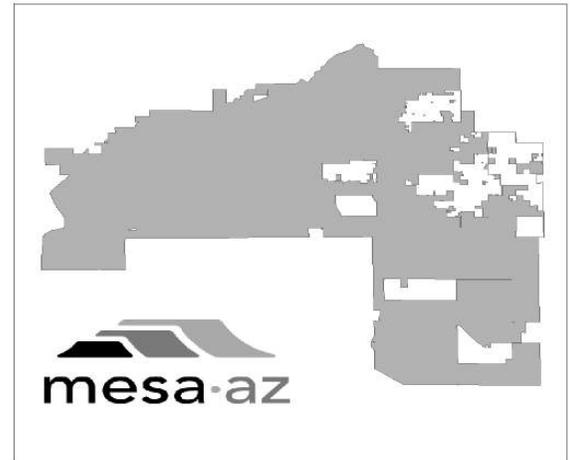
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Electric

CP0080 - Electric Master Plan

Project Description

Perform an assessment on the condition of the underground conduit system. Maintaining a master plan is important to meet the short- and long-range planning needs of the utility.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$117,434	-	-	-	-	-	-	\$117,434
2014 Electric Bond	\$159,159	-	-	-	-	-	-	\$159,159
Electric	-	\$338,238	-	-	-	-	-	\$338,238
Total:	\$276,593	\$338,238	-	-	-	-	-	\$614,831

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$21,338	\$27,928	-	-	-	-	-	\$49,266
Construction	\$50,000	-	-	-	-	-	-	\$50,000
Design	\$205,104	\$310,000	-	-	-	-	-	\$515,104
Direct Expenses	\$150	\$310	-	-	-	-	-	\$460
Total	\$276,593	\$338,238	-	-	-	-	-	\$614,831

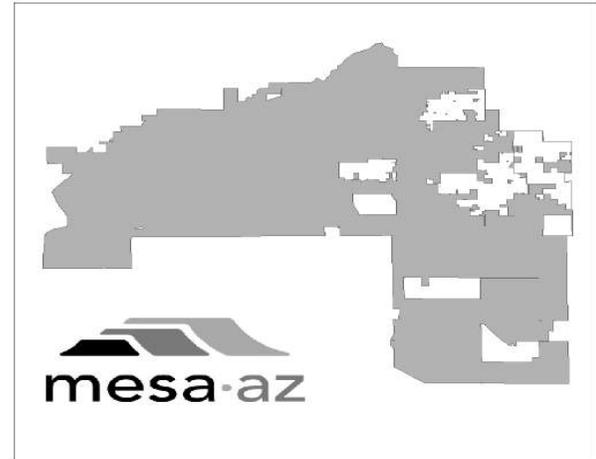
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$233,124	-	-	-	-	-	-	\$233,124
2014 Electric Bond	\$397,475	-	-	-	-	-	-	\$397,475
Utility Replacement Extension and Renewal	\$568,013	\$419,605	\$436,125	\$454,404	\$464,389	\$499,117	\$2,037,751	\$4,879,404
Total:	\$1,198,612	\$419,605	\$436,125	\$454,404	\$464,389	\$499,117	\$2,037,751	\$5,510,003

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$94,836	\$34,646	\$36,010	\$37,520	\$38,344	\$41,211	\$168,255	\$450,822
Construction	\$1,103,026	\$384,574	\$399,715	\$416,468	\$425,619	\$457,449	\$1,867,629	\$5,054,480
Direct Expenses	\$750	\$385	\$400	\$416	\$426	\$457	\$1,867	\$4,701
Total	\$1,198,612	\$419,605	\$436,125	\$454,404	\$464,389	\$499,117	\$2,037,751	\$5,510,003

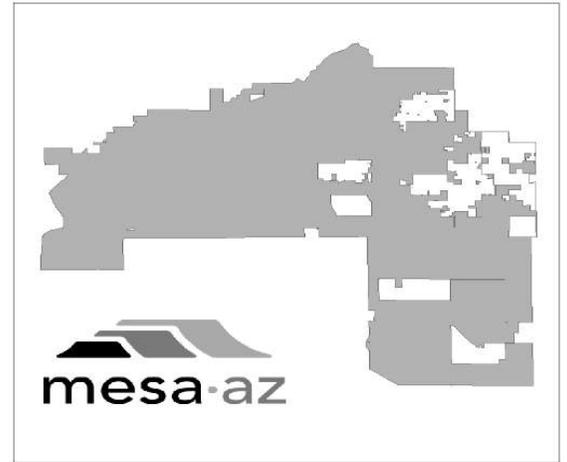
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$804,173	-	-	-	-	-	-	\$804,173
2014 Electric Bond	\$1,061,060	\$1,091,090	\$1,137,276	-	-	-	-	\$3,289,426
Electric	\$303,207	-	-	-	-	-	-	\$303,207
Future Electric Bond	-	-	-	\$1,166,168	\$1,194,275	\$1,217,078	\$5,185,919	\$8,763,440
Total:	\$2,168,441	\$1,091,090	\$1,137,276	\$1,166,168	\$1,194,275	\$1,217,078	\$5,185,919	\$13,160,247

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$144,131	\$90,090	\$93,904	\$96,289	\$98,610	\$100,493	\$428,196	\$1,051,713
Construction	\$2,023,310	\$1,000,000	\$1,042,330	\$1,068,810	\$1,094,570	\$1,115,470	\$4,752,970	\$12,097,460
Direct Expenses	\$1,000	\$1,000	\$1,042	\$1,069	\$1,095	\$1,115	\$4,753	\$11,074
Total	\$2,168,441	\$1,091,090	\$1,137,276	\$1,166,168	\$1,194,275	\$1,217,078	\$5,185,919	\$13,160,247

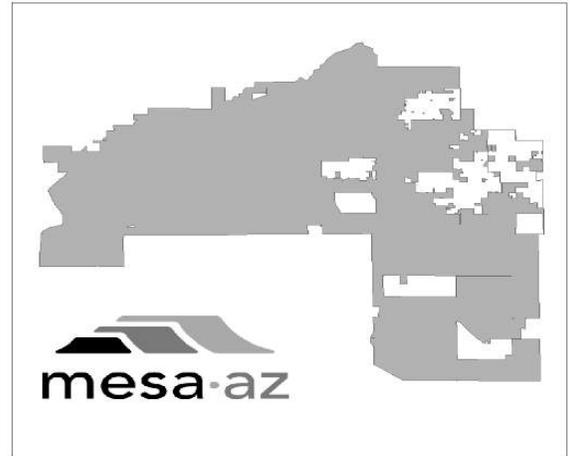
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Electric Bond	\$169,770	\$174,574	\$181,964	-	-	-	-	\$526,308
Future Electric Bond	-	-	-	\$186,587	\$29,856	\$30,427	-	\$246,870
Total:	\$169,770	\$174,574	\$181,964	\$186,587	\$29,856	\$30,427	-	\$773,178

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$9,610	\$14,414	\$15,024	\$15,406	\$2,465	\$2,512	-	\$59,431
Construction	\$160,000	\$160,000	\$166,773	\$171,010	\$27,364	\$27,887	-	\$713,034
Direct Expenses	\$160	\$160	\$167	\$171	\$27	\$28	-	\$713
Total	\$169,770	\$174,574	\$181,964	\$186,587	\$29,856	\$30,427	-	\$773,178

Utilities Major Program Detail Fiscal Years 2017 - 2021

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

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$2,963,551	-	-	-	-	-	-	\$2,963,551
2014 Electric Bond	\$1,430,385	\$1,276,565	\$1,165,707	-	-	-	-	\$3,872,657
Future Electric Bond	-	-	-	\$29,154	-	-	-	\$29,154
Total:	\$4,393,936	\$1,276,565	\$1,165,707	\$29,154	-	-	-	\$6,865,362

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$289,010	\$105,404	\$96,251	\$2,407	-	-	-	\$493,072
Construction	\$3,922,432	\$1,069,991	\$1,068,388	\$26,720	-	-	-	\$6,087,531
Design	\$181,146	\$100,000	-	-	-	-	-	\$281,146
Direct Expenses	\$1,348	\$1,170	\$1,068	\$27	-	-	-	\$3,613
Total	\$4,393,936	\$1,276,565	\$1,165,707	\$29,154	-	-	-	\$6,865,362

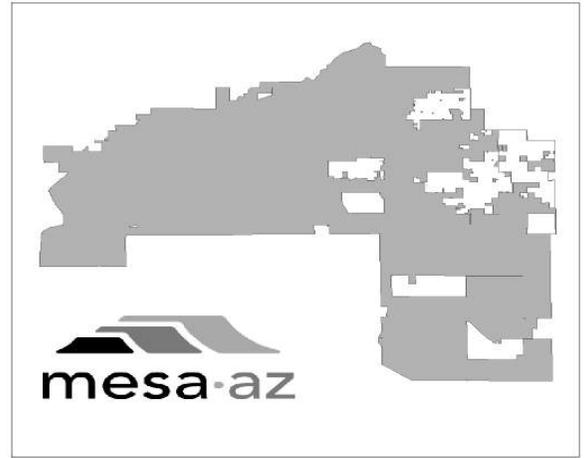
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Electric

CP0193 - Electric Systems Retirements

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Electric	\$21,087	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,160,603
Total:	\$21,087	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,160,603

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$1,610	\$13,013	\$13,564	\$13,908	\$14,244	\$14,516	\$61,849	\$132,704
Construction	\$19,478	\$100,000	\$104,233	\$106,881	\$109,457	\$111,547	\$475,297	\$1,026,893
Direct Expenses	-	\$100	\$104	\$107	\$109	\$112	\$475	\$1,007
Total	\$21,087	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,160,603

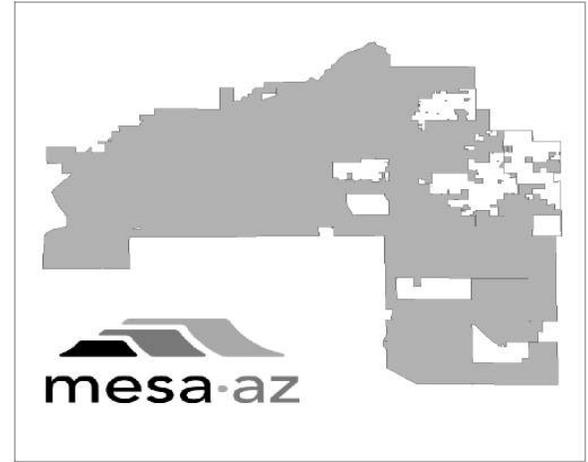
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Electric Bond	\$17,439	-	-	-	-	-	-	\$17,439
2014 Electric Bond	\$206,676	\$109,109	\$113,727	-	-	-	-	\$429,512
Total:	\$224,115	\$109,109	\$113,727	-	-	-	-	\$446,951

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$12,671	\$9,009	\$9,390	-	-	-	-	\$31,070
Construction	\$177,559	\$100,000	\$104,233	-	-	-	-	\$381,792
Design	\$33,690	-	-	-	-	-	-	\$33,690
Direct Expenses	\$195	\$100	\$104	-	-	-	-	\$399
Total	\$224,115	\$109,109	\$113,727	-	-	-	-	\$446,951

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10584 - Aging Infrastructure Replacement QS12B & D

Project Description

Replace aging main and service lines in plat quarter section 12B and 12D. Both gas and water lines will be replaced.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	\$294,638	\$5,283,775	-	\$5,578,413
Total:	-	-	-	-	\$294,638	\$5,283,775	-	\$5,578,413

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$33,897	\$607,868	-	\$641,765
Construction	-	-	-	-	-	\$4,671,235	-	\$4,671,235
Design	-	-	-	-	\$260,480	-	-	\$260,480
Direct Expenses	-	-	-	-	\$261	\$4,672	-	\$4,933
Total	-	-	-	-	\$294,638	\$5,283,775	-	\$5,578,413

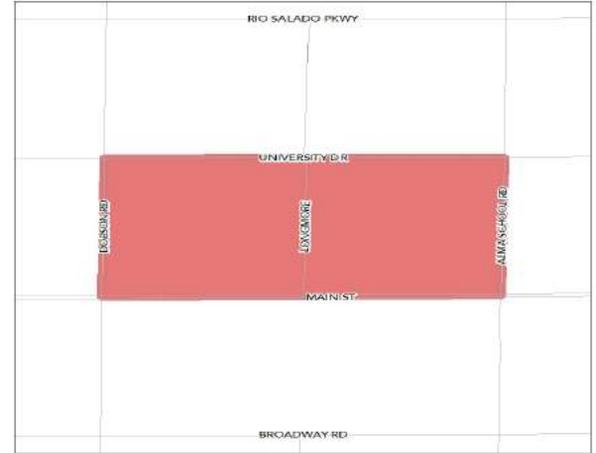
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10586 - Aging Infrastructure Replacement QS13A & C

Project Description

Replace aging main and service lines in plat quarter section 13A and 13C. Both gas and water lines will be replaced.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$3,675,542	-	-	-	-	-	\$3,675,542
Total:	-	\$3,675,542	-	-	-	-	-	\$3,675,542

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$422,850	-	-	-	-	-	\$422,850
Construction	-	\$3,169,890	-	-	-	-	-	\$3,169,890
Design	-	\$79,553	-	-	-	-	-	\$79,553
Direct Expenses	-	\$3,249	-	-	-	-	-	\$3,249
Total	-	\$3,675,542	-	-	-	-	-	\$3,675,542

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10380 - Aging Infrastructure Replacement QS13C, QS21A, & QS20D

Project Description

Replace aging main and service lines in plat quarter section 13C, 21A and 20D. Both gas and water lines will be replaced.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$65,533	\$106,559	\$1,273,355	-	-	-	-	\$1,445,447
2014 Water Bond	\$353,531	-	-	-	-	-	-	\$353,531
Total:	\$419,064	\$106,559	\$1,273,355	-	-	-	-	\$1,798,978

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$21,689	\$12,259	\$146,492	-	-	-	-	\$180,440
Construction	-	-	\$1,125,737	-	-	-	-	\$1,125,737
Design	\$397,314	\$94,206	-	-	-	-	-	\$491,520
Direct Expenses	\$61	\$94	\$1,126	-	-	-	-	\$1,281
Total	\$419,064	\$106,559	\$1,273,355	-	-	-	-	\$1,798,978

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10585 - Aging Infrastructure Replacement QS14A & C

Project Description

Replace aging main and service lines in plat quarter section 14A and 14C. Both gas and water lines will be replaced.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	\$340,363	\$5,269,545	-	-	\$5,609,908
Total:	-	-	-	\$340,363	\$5,269,545	-	-	\$5,609,908

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$39,157	\$606,231	-	-	\$645,388
Construction	-	-	-	-	\$4,658,656	-	-	\$4,658,656
Design	-	-	-	\$300,905	-	-	-	\$300,905
Direct Expenses	-	-	-	\$301	\$4,658	-	-	\$4,959
Total	-	-	-	\$340,363	\$5,269,545	-	-	\$5,609,908

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10381 - Aging Infrastructure Replacement QS20A & QS20B

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	\$77,079	\$1,293,889	-	-	\$1,370,968
Total:	-	-	-	\$77,079	\$1,293,889	-	-	\$1,370,968

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$8,868	\$148,855	-	-	\$157,723
Construction	-	-	-	-	\$1,143,890	-	-	\$1,143,890
Design	-	-	-	\$68,143	-	-	-	\$68,143
Direct Expenses	-	-	-	\$68	\$1,144	-	-	\$1,212
Total	-	-	-	\$77,079	\$1,293,889	-	-	\$1,370,968

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10382 - Aging Infrastructure Replacement QS21D, Clark, and Pepper

Project Description

Replace aging main and service lines in plat quarter section 21D. Both gas and water lines will be replaced.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$811,219	\$50,891	\$884,705	-	-	-	-	\$1,746,815
2014 Water Bond	\$1,989,964	-	-	-	-	-	-	\$1,989,964
Total:	\$2,801,183	\$50,891	\$884,705	-	-	-	-	\$3,736,779

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$154,850	\$5,855	\$101,780	-	-	-	-	\$262,485
Construction	\$2,626,819	-	\$782,143	-	-	-	-	\$3,408,962
Design	-	\$44,991	-	-	-	-	-	\$44,991
Direct Expenses	\$19,514	\$45	\$782	-	-	-	-	\$20,341
Total	\$2,801,183	\$50,891	\$884,705	-	-	-	-	\$3,736,779

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10384 - Aging Infrastructure Replacement QS29A, QS29B, & QS29D

Project Description

Replace aging main and service lines in plat quarter section 29A, 29B and 29D. Both gas and water lines will be replaced.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$25,936	\$461,940	-	-	-	-	\$487,876
Total:	-	\$25,936	\$461,940	-	-	-	-	\$487,876

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$2,984	\$53,143	-	-	-	-	\$56,127
Construction	-	-	\$408,388	-	-	-	-	\$408,388
Design	-	\$22,929	-	-	-	-	-	\$22,929
Direct Expenses	-	\$23	\$409	-	-	-	-	\$432
Total	-	\$25,936	\$461,940	-	-	-	-	\$487,876

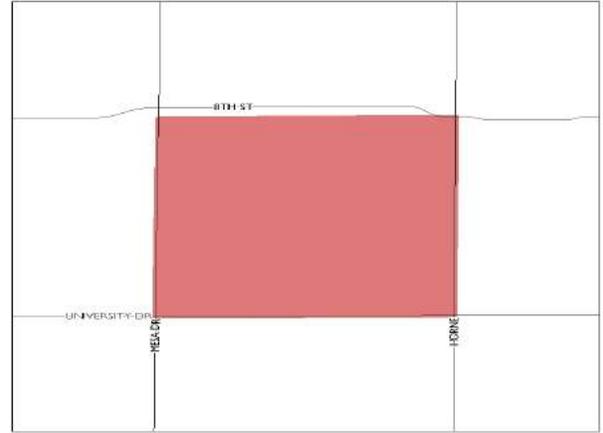
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10386 - Aging Infrastructure Replacement QS36B

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. Both gas and water lines will be replaced.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$38,972	\$670,889	\$709,861
Total:	-	-	-	-	-	\$38,972	\$670,889	\$709,861

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$4,483	\$77,182	\$81,665
Construction	-	-	-	-	-	-	\$593,113	\$593,113
Design	-	-	-	-	-	\$34,454	-	\$34,454
Direct Expenses	-	-	-	-	-	\$35	\$594	\$629
Total	-	-	-	-	-	\$38,972	\$670,889	\$709,861

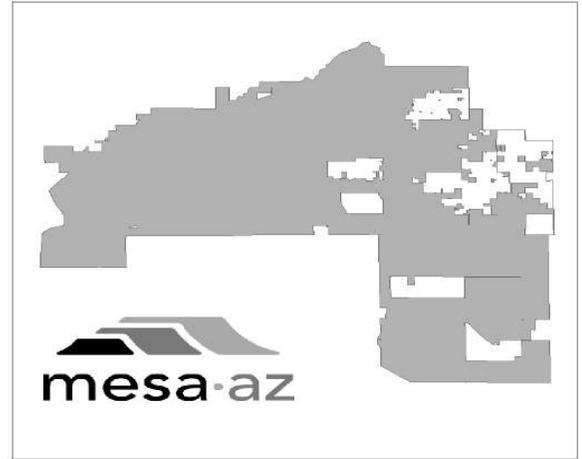
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Natural Gas Aging Infrastructure

C04046 - Aging 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	-	-	-	-	-	-	-	-
2014 Gas Bond	-	-	\$153,131	\$1,768,390	-	-	-	\$1,921,521
Total:	-	-	\$153,131	\$1,768,390	-	-	-	\$1,921,521

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$17,616	\$203,443	-	-	-	\$221,059
Construction	-	-	-	\$1,563,383	-	-	-	\$1,563,383
Design	-	-	\$135,379	-	-	-	-	\$135,379
Direct Expenses	-	-	\$136	\$1,564	-	-	-	\$1,700
Total	-	-	\$153,131	\$1,768,390	-	-	-	\$1,921,521

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10387 - Center Street Gas Line Replacement from University to Brown

Project Description

Replace aging gas main ensure operational integrity of the natural gas system.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$21,531	\$571,385	-	-	-	-	-	\$592,916
Total:	\$21,531	\$571,385	-	-	-	-	-	\$592,916

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$1,595	\$65,735	-	-	-	-	-	\$67,330
Construction	-	\$505,145	-	-	-	-	-	\$505,145
Design	\$19,916	-	-	-	-	-	-	\$19,916
Direct Expenses	\$20	\$505	-	-	-	-	-	\$525
Total	\$21,531	\$571,385	-	-	-	-	-	\$592,916

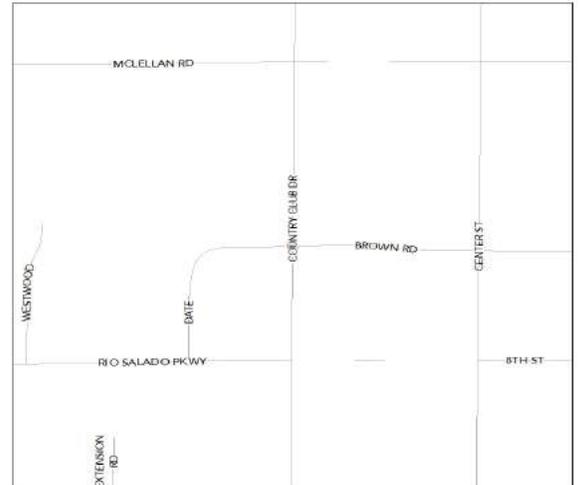
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

CP0060 - Country Club Drive and Brown Road Intersection Improvements

Project Description

Replace utility lines in the intersection to prevent service disruption.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$13,853	\$144,181	\$158,034
Total:	-	-	-	-	-	\$13,853	\$144,181	\$158,034

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$1,594	\$16,587	\$18,181
Construction	-	-	-	-	-	-	\$127,466	\$127,466
Design	-	-	-	-	-	\$12,247	-	\$12,247
Direct Expenses	-	-	-	-	-	\$12	\$128	\$140
Total	-	-	-	-	-	\$13,853	\$144,181	\$158,034

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10385 - 8th Street Aging Infrastructure Replacement

Project Description

Replace intermediate pressure gas main to ensure operational integrity of the natural gas system in Mesa. This project includes both a gas and water component.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$499,937	-	-	-	-	-	-	\$499,937
Future Gas Bond	-	-	-	-	\$5,787	\$76,191	-	\$81,978
Total:	\$499,937	-	-	-	\$5,787	\$76,191	-	\$581,915

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$23,807	-	-	-	\$665	\$8,765	-	\$33,237
Construction	\$428,947	-	-	-	-	\$67,359	-	\$496,306
Design	\$42,894	-	-	-	\$5,117	-	-	\$48,011
Direct Expenses	\$4,289	-	-	-	\$5	\$67	-	\$4,361
Total	\$499,937	-	-	-	\$5,787	\$76,191	-	\$581,915

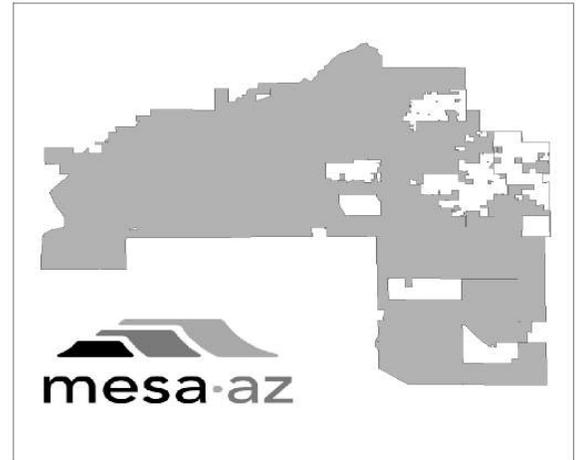
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Natural Gas	\$65,740	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,205,256
Total:	\$65,740	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,205,256

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$4,510	\$13,013	\$13,564	\$13,908	\$14,244	\$14,516	\$61,849	\$135,604
Construction	\$61,230	\$100,000	\$104,233	\$106,881	\$109,457	\$111,547	\$475,297	\$1,068,645
Direct Expenses	-	\$100	\$104	\$107	\$109	\$112	\$475	\$1,007
Total	\$65,740	\$113,113	\$117,901	\$120,896	\$123,810	\$126,175	\$537,621	\$1,205,256

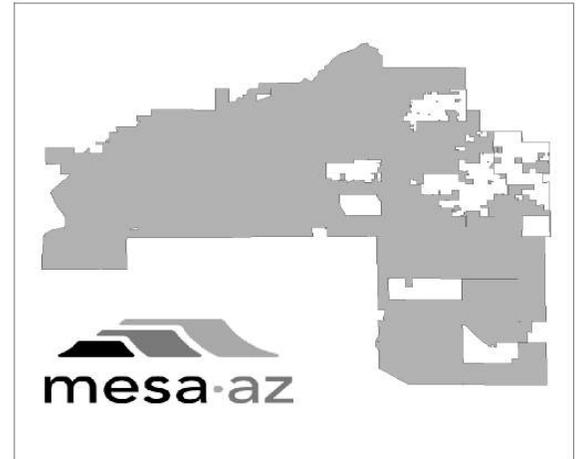
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$308,532	-	-	-	-	-	-	\$308,532
2014 Gas Bond	\$438,879	\$490,403	\$545,951	-	-	-	-	\$1,475,233
Future Gas Bond	-	-	-	\$596,624	\$650,724	\$707,510	\$3,568,188	\$5,523,046
Total:	\$747,411	\$490,403	\$545,951	\$596,624	\$650,724	\$707,510	\$3,568,188	\$7,306,811

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$52,423	\$56,418	\$62,809	\$68,638	\$74,862	\$81,395	\$410,501	\$807,046
Construction	\$684,138	\$433,551	\$482,659	\$527,458	\$575,286	\$625,489	\$3,154,533	\$6,483,114
Design	\$10,443	-	-	-	-	-	-	\$10,443
Direct Expenses	\$406	\$434	\$483	\$528	\$576	\$626	\$3,154	\$6,207
Total	\$747,411	\$490,403	\$545,951	\$596,624	\$650,724	\$707,510	\$3,568,188	\$7,306,811

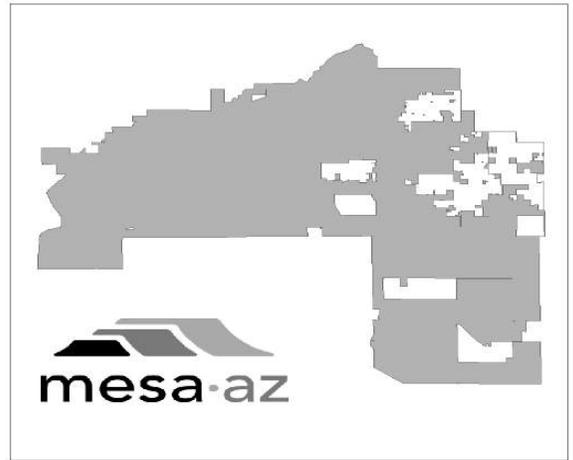
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$286,843	-	-	-	-	-	-	\$286,843
2014 Gas Bond	\$2,393,929	\$2,674,971	\$2,977,967	-	-	-	-	\$8,046,867
Future Gas Bond	-	-	-	\$3,256,127	\$3,551,395	\$3,746,694	\$16,351,623	\$26,905,839
Total:	\$2,680,772	\$2,674,971	\$2,977,967	\$3,256,127	\$3,551,395	\$3,746,694	\$16,351,623	\$35,239,549

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$200,293	\$307,740	\$342,598	\$374,599	\$408,568	\$431,035	\$1,881,160	\$3,945,993
Construction	\$2,306,377	\$2,189,691	\$2,437,719	\$2,665,532	\$2,907,245	\$3,070,965	\$13,381,258	\$28,958,787
Design	\$171,888	\$175,175	\$195,017	\$213,118	\$232,443	\$241,382	\$1,074,750	\$2,303,773
Direct Expenses	\$2,214	\$2,365	\$2,633	\$2,878	\$3,139	\$3,312	\$14,455	\$30,996
Total	\$2,680,772	\$2,674,971	\$2,977,967	\$3,256,127	\$3,551,395	\$3,746,694	\$16,351,623	\$35,239,549

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

CP0221 - McKellips Road Natural Gas Line; Country Club to Loop 202

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$29,493	\$356,094	\$385,587
Total:	-	-	-	-	-	\$29,493	\$356,094	\$385,587

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$3,393	\$40,966	\$44,359
Construction	-	-	-	-	-	-	\$314,813	\$314,813
Design	-	-	-	-	-	\$26,074	-	\$26,074
Direct Expenses	-	-	-	-	-	\$26	\$315	\$341
Total	-	-	-	-	-	\$29,493	\$356,094	\$385,587

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

C10561 - Mesa Drive: Main 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$402,962	\$33,121	\$439,465	-	-	-	-	\$875,548
2014 Wastewater Bond	-	\$23,798	\$271,889	-	-	-	-	\$295,687
Total:	\$402,962	\$56,919	\$711,354	-	-	-	-	\$1,171,235

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$29,849	\$5,574	\$70,698	-	-	-	-	\$106,121
Construction	\$372,740	-	\$621,619	-	-	-	-	\$994,359
Design	-	\$51,316	-	-	-	-	-	\$51,316
Direct Expenses	\$373	\$29	\$19,037	-	-	-	-	\$19,439
Total	\$402,962	\$56,919	\$711,354	-	-	-	-	\$1,171,235

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$543,791	-	-	-	-	-	-	\$543,791
2014 Gas Bond	\$296,258	\$69,225	\$97,623	\$10,111	-	-	-	\$473,217
Future Gas Bond	-	-	-	\$77,780	-	-	-	\$77,780
Total:	\$840,049	\$69,225	\$97,623	\$87,891	-	-	-	\$1,094,788

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$77,342	\$7,964	\$11,231	\$10,111	-	-	-	\$106,648
Construction	\$691,983	\$61,200	\$86,305	\$77,702	-	-	-	\$917,190
Design	\$70,474	-	-	-	-	-	-	\$70,474
Direct Expenses	\$250	\$61	\$87	\$78	-	-	-	\$476
Total	\$840,049	\$69,225	\$97,623	\$87,891	-	-	-	\$1,094,788

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

CP0219 - Stapley Drive Aging Infrastructure Replacement; University Drive to McKellips Road

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$98,552	\$2,333,635	\$2,432,187
Total:	-	-	-	-	-	\$98,552	\$2,333,635	\$2,432,187

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$11,338	\$268,471	\$279,809
Construction	-	-	-	-	-	-	\$2,063,100	\$2,063,100
Design	-	-	-	-	-	\$87,127	-	\$87,127
Direct Expenses	-	-	-	-	-	\$87	\$2,064	\$2,151
Total	-	-	-	-	-	\$98,552	\$2,333,635	\$2,432,187

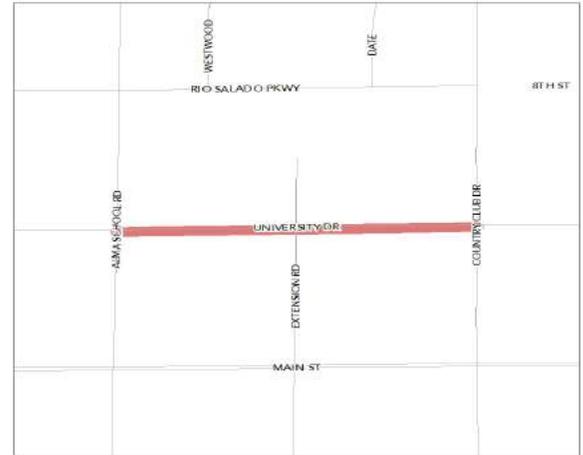
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Aging Infrastructure

CP0220 - University Drive Gas Line Replacement; Alma School to Country Club

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	-	-	-	\$36,279	-	-	\$36,279
Future Gas Bond	-	-	-	-	-	\$908,905	-	\$908,905
Total:	-	-	-	-	\$36,279	\$908,905	-	\$945,184

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	\$4,174	\$104,564	-	\$108,738
Construction	-	-	-	-	-	\$803,538	-	\$803,538
Design	-	-	-	-	\$32,073	-	-	\$32,073
Direct Expenses	-	-	-	-	\$32	\$803	-	\$835
Total	-	-	-	-	\$36,279	\$908,905	-	\$945,184

Utilities Major Program Detail Fiscal Years 2017 - 2021

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.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$335,607	-	-	-	-	-	\$335,607
Total:	-	\$335,607	-	-	-	-	-	\$335,607

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$38,610	-	-	-	-	-	\$38,610
Construction	-	\$285,798	-	-	-	-	-	\$285,798
Design	-	\$10,902	-	-	-	-	-	\$10,902
Direct Expenses	-	\$297	-	-	-	-	-	\$297
Total	-	\$335,607	-	-	-	-	-	\$335,607

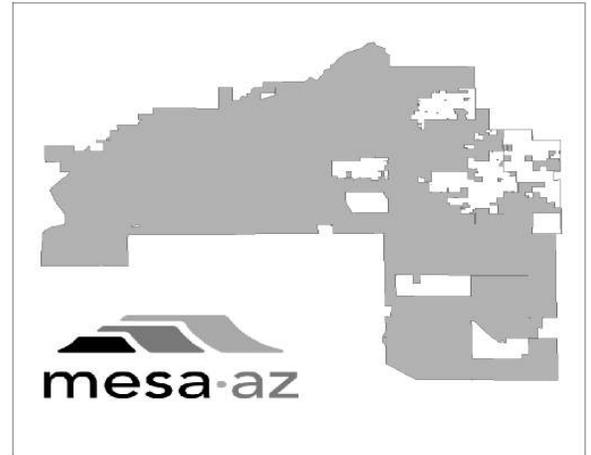
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Natural Gas Aging Infrastructure

CP0033 - Utility System: Aging Main Rehabilitation and Repairs

Project Description

Repair and/or replace aging mains. This work ensures the operational integrity of the system.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$111,872	-	-	-	-	-	-	\$111,872
2014 Gas Bond	-	\$651,613	-	-	-	-	-	\$651,613
2014 Water Bond	\$379,091	-	-	-	-	-	-	\$379,091
Total:	\$490,963	\$651,613	-	-	-	-	-	\$1,142,576

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$26,097	\$74,964	-	-	-	-	-	\$101,061
Construction	\$361,039	\$440,104	-	-	-	-	-	\$801,143
Design	\$103,826	\$135,969	-	-	-	-	-	\$239,795
Direct Expenses	-	\$576	-	-	-	-	-	\$576
Total	\$490,963	\$651,613	-	-	-	-	-	\$1,142,576

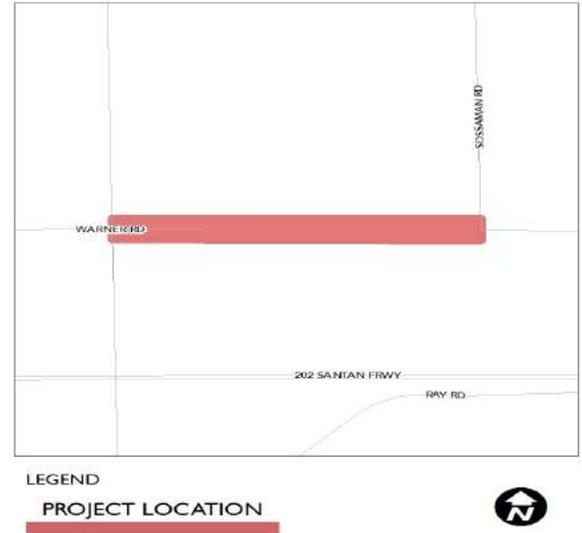
Utilities Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Gas Bond	-	-	-	-	-	\$188,276	\$2,177,898	\$2,366,174
Future Water Bond	-	-	-	-	-	\$101,436	\$1,048,286	\$1,149,722
Total:	-	-	-	-	-	\$289,712	\$3,226,184	\$3,515,896

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$27,401	\$309,892	\$337,293
Construction	-	-	-	-	-	-	\$2,904,575	\$2,904,575
Design	-	-	-	-	-	\$262,145	-	\$262,145
Direct Expenses	-	-	-	-	-	\$166	\$11,717	\$11,883
Total	-	-	-	-	-	\$289,712	\$3,226,184	\$3,515,896

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Growth

CP0677 - East Valley Institute of Technology Compressed Natural Gas Fueling Station

Project Description

Construct a Compressed Natural Gas (CNG) fueling facility to serve the community. The construct 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	-	\$2,236,260	-	-	-	-	-	\$2,236,260
Total:	-	\$2,236,260	-	-	-	-	-	\$2,236,260

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$234,260	-	-	-	-	-	\$234,260
Construction	-	\$1,800,000	-	-	-	-	-	\$1,800,000
Design	-	\$200,000	-	-	-	-	-	\$200,000
Direct Expenses	-	\$2,000	-	-	-	-	-	\$2,000
Total	-	\$2,236,260	-	-	-	-	-	\$2,236,260

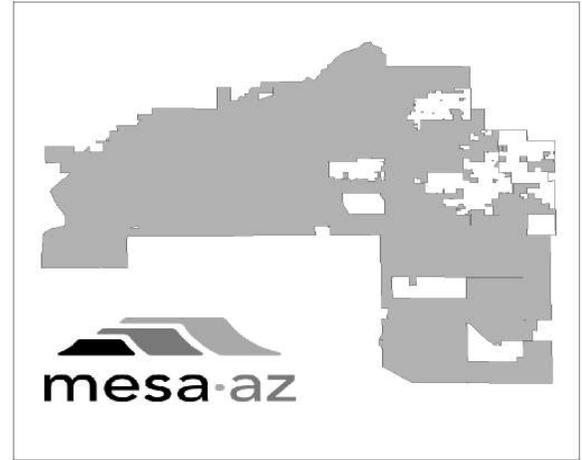
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$1,471,474	-	-	-	-	-	-	\$1,471,474
2014 Gas Bond	\$371,645	\$398,386	\$412,056	-	-	-	-	\$1,182,087
Utility Replacement Extension and Renewal	\$371,645	\$398,386	\$412,056	\$905,356	\$923,289	\$994,462	\$4,118,462	\$8,123,656
Total:	\$2,214,764	\$796,772	\$824,112	\$905,356	\$923,289	\$994,462	\$4,118,462	\$10,777,217

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$147,612	\$91,664	\$94,808	\$104,156	\$106,219	\$114,407	\$473,805	\$1,132,671
Construction	\$687,544	\$704,404	\$728,574	\$800,399	\$816,253	\$879,176	\$3,641,017	\$8,257,367
Direct Expenses	\$688	\$704	\$730	\$801	\$817	\$879	\$3,640	\$8,259
Purchases	\$1,378,920	-	-	-	-	-	-	\$1,378,920
Total	\$2,214,764	\$796,772	\$824,112	\$905,356	\$923,289	\$994,462	\$4,118,462	\$10,777,217

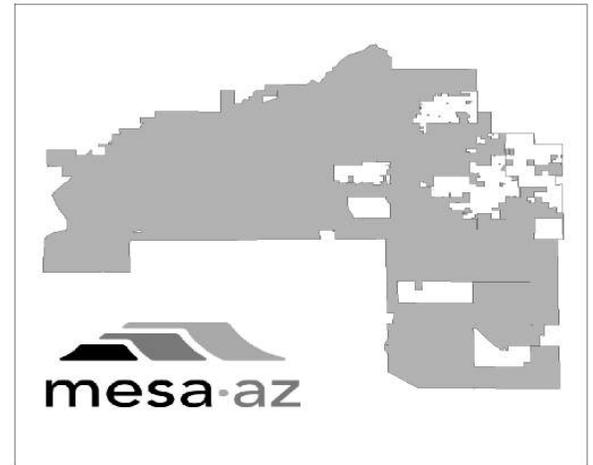
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$1,761,384	\$3,491,798	\$3,821,586	-	-	-	-	\$9,074,768
2014 Gas Bond	\$3,178,375	-	-	-	-	-	-	\$3,178,375
Future Gas Bond	-	-	-	\$4,114,605	\$4,424,463	\$4,734,390	\$22,861,146	\$36,134,604
Total:	\$4,939,759	\$3,491,798	\$3,821,586	\$4,114,605	\$4,424,463	\$4,734,390	\$22,861,146	\$48,387,747

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$325,803	\$401,711	\$439,652	\$473,362	\$509,009	\$544,664	\$2,630,043	\$5,324,244
Construction	\$4,394,721	\$3,087,000	\$3,378,556	\$3,637,606	\$3,911,542	\$4,185,541	\$20,210,892	\$42,805,858
Design	\$216,295	-	-	-	-	-	-	\$216,295
Direct Expenses	\$2,940	\$3,087	\$3,378	\$3,637	\$3,912	\$4,185	\$20,211	\$41,350
Total	\$4,939,759	\$3,491,798	\$3,821,586	\$4,114,605	\$4,424,463	\$4,734,390	\$22,861,146	\$48,387,747

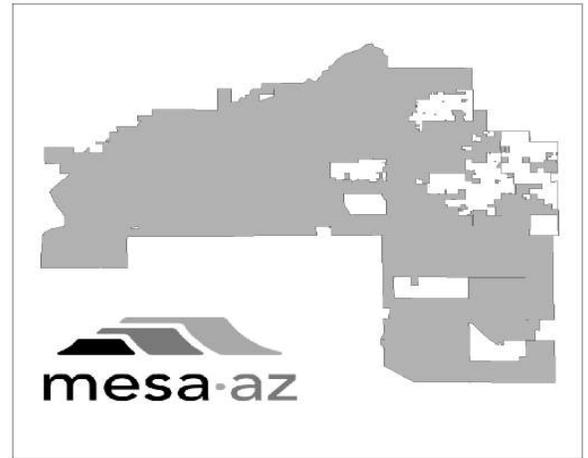
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$517,340	\$2,369,435	\$2,498,898	-	-	-	-	\$5,385,673
2014 Gas Bond	\$2,156,755	-	-	-	-	-	-	\$2,156,755
Future Gas Bond	-	-	-	\$2,792,052	\$3,002,313	\$3,212,620	\$15,512,913	\$24,519,898
Total:	\$2,674,095	\$2,369,435	\$2,498,898	\$2,792,052	\$3,002,313	\$3,212,620	\$15,512,913	\$32,062,326

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$208,398	\$272,590	\$287,484	\$321,209	\$345,399	\$369,593	\$1,784,671	\$3,589,344
Construction	\$2,462,245	\$2,094,750	\$2,209,205	\$2,468,375	\$2,654,260	\$2,840,187	\$13,714,528	\$28,443,550
Design	\$1,457	-	-	-	-	-	-	\$1,457
Direct Expenses	\$1,995	\$2,095	\$2,209	\$2,468	\$2,654	\$2,840	\$13,714	\$27,975
Total	\$2,674,095	\$2,369,435	\$2,498,898	\$2,792,052	\$3,002,313	\$3,212,620	\$15,512,913	\$32,062,326

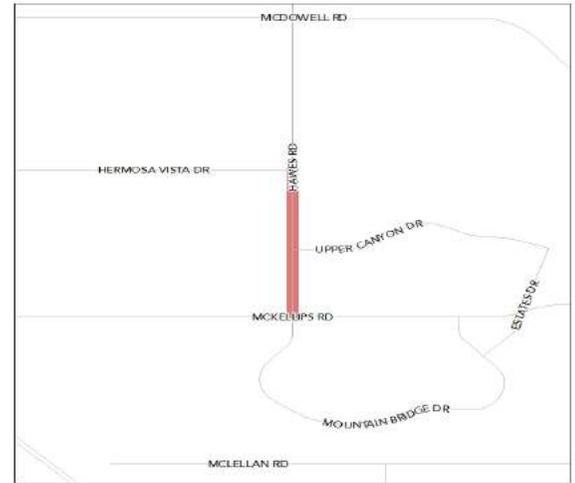
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Growth

CP0075 - Hawes Regulator Station: McKellips Road to Hermosa Vista

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$76,258	\$911,029	-	-	-	-	-	\$987,287
Total:	\$76,258	\$911,029	-	-	-	-	-	\$987,287

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$5,649	\$104,809	-	-	-	-	-	\$110,458
Construction	-	\$805,415	-	-	-	-	-	\$805,415
Design	\$70,538	-	-	-	-	-	-	\$70,538
Direct Expenses	\$71	\$805	-	-	-	-	-	\$876
Total	\$76,258	\$911,029	-	-	-	-	-	\$987,287

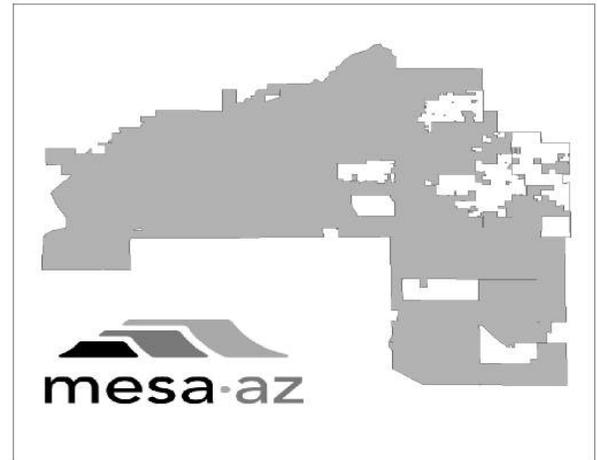
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Gas Bond	\$5,624	-	-	-	-	-	-	\$5,624
2014 Gas Bond	\$657,853	\$722,723	\$790,980	-	-	-	-	\$2,171,556
Future Gas Bond	-	-	-	\$851,628	\$915,762	\$979,911	\$4,731,730	\$7,479,031
Total:	\$663,477	\$722,723	\$790,980	\$851,628	\$915,762	\$979,911	\$4,731,730	\$9,656,211

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$49,294	\$83,145	\$90,997	\$97,975	\$105,353	\$112,733	\$544,357	\$1,083,854
Construction	\$613,574	\$638,939	\$699,284	\$752,901	\$809,599	\$866,311	\$4,183,191	\$8,563,799
Direct Expenses	\$609	\$639	\$699	\$752	\$810	\$867	\$4,182	\$8,558
Total	\$663,477	\$722,723	\$790,980	\$851,628	\$915,762	\$979,911	\$4,731,730	\$9,656,211

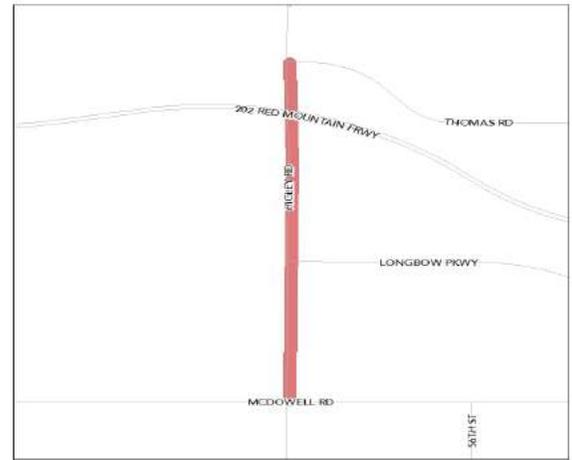
Utilities Major Program Detail Fiscal Years 2017 - 2021

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$123,893	\$1,520,207	-	-	-	-	-	\$1,644,100
Total:	\$123,893	\$1,520,207	-	-	-	-	-	\$1,644,100

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$9,177	\$174,891	-	-	-	-	-	\$184,068
Construction	-	\$1,343,972	-	-	-	-	-	\$1,343,972
Design	\$114,601	-	-	-	-	-	-	\$114,601
Direct Expenses	\$115	\$1,344	-	-	-	-	-	\$1,459
Total	\$123,893	\$1,520,207	-	-	-	-	-	\$1,644,100

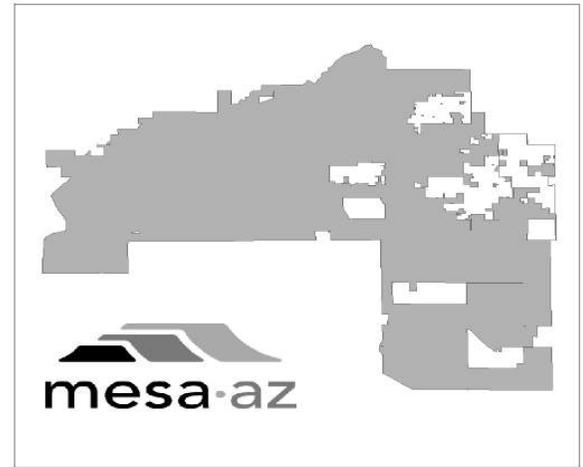
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	-	\$530,556	-	-	-	-	\$530,556
Total:	-	-	\$530,556	-	-	-	-	\$530,556

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$61,038	-	-	-	-	\$61,038
Construction	-	-	\$469,049	-	-	-	-	\$469,049
Direct Expenses	-	-	\$469	-	-	-	-	\$469
Total	-	-	\$530,556	-	-	-	-	\$530,556

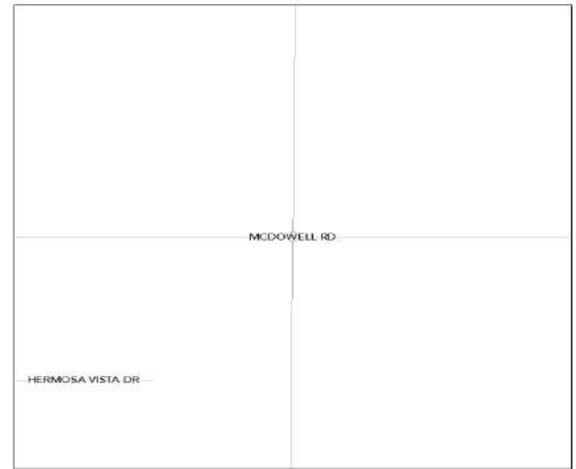
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Natural Gas Growth

CP0076 - McDowell and Greenfield Regulator Station

Project Description

Install a district regulator station to meet anticipated growth in the area.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$12,621	\$331,649	-	-	-	-	-	\$344,270
Total:	\$12,621	\$331,649	-	-	-	-	-	\$344,270

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$935	\$38,154	-	-	-	-	-	\$39,089
Construction	-	\$293,202	-	-	-	-	-	\$293,202
Design	\$11,674	-	-	-	-	-	-	\$11,674
Direct Expenses	\$12	\$293	-	-	-	-	-	\$305
Total	\$12,621	\$331,649	-	-	-	-	-	\$344,270

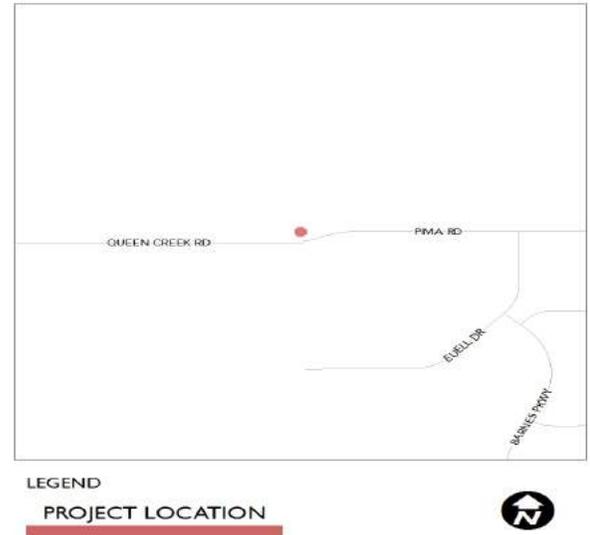
Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas Growth

CP0394 - Meridian and Queen Creek Gas Regulator Station

Project Description

Reconstruct the regulator station at the intersection of Meridian Road and Queen Creek Road to improve service. Work will include installing a service line running south along Meridian Rd.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$10,781	\$272,319	-	-	-	-	-	\$283,100
Total:	\$10,781	\$272,319	-	-	-	-	-	\$283,100

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$705	\$31,329	-	-	-	-	-	\$32,034
Construction	-	\$240,749	-	-	-	-	-	\$240,749
Design	\$9,825	-	-	-	-	-	-	\$9,825
Direct Expenses	\$251	\$241	-	-	-	-	-	\$492
Total	\$10,781	\$272,319	-	-	-	-	-	\$283,100

Utilities Major Program Detail Fiscal Years 2017 - 2021

Natural Gas System Reinforcement

CP0077 - Power Road and Brown Road Cross-Tie

Project Description

Install gas line from McKellips to Indigo St along north Power Road to reinforce system reliability and avoid service disruptions.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$49,946	\$441,955	-	-	-	-	-	\$491,901
Total:	\$49,946	\$441,955	-	-	-	-	-	\$491,901

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$3,700	\$50,844	-	-	-	-	-	\$54,544
Construction	-	\$390,720	-	-	-	-	-	\$390,720
Design	\$46,200	-	-	-	-	-	-	\$46,200
Direct Expenses	\$46	\$391	-	-	-	-	-	\$437
Total	\$49,946	\$441,955	-	-	-	-	-	\$491,901

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	\$56,353	\$59,970	\$63,584	-	-	-	-	\$179,907
Future Gas Bond	-	-	-	\$66,368	\$69,135	\$71,668	\$318,913	\$526,084
Total:	\$56,353	\$59,970	\$63,584	\$66,368	\$69,135	\$71,668	\$318,913	\$705,991

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$4,174	\$6,899	\$7,315	\$7,636	\$7,953	\$8,244	\$36,689	\$78,910
Construction	\$52,127	\$53,018	\$56,213	\$58,673	\$61,121	\$63,360	\$281,942	\$626,454
Direct Expenses	\$52	\$53	\$56	\$59	\$61	\$64	\$282	\$627
Total	\$56,353	\$59,970	\$63,584	\$66,368	\$69,135	\$71,668	\$318,913	\$705,991

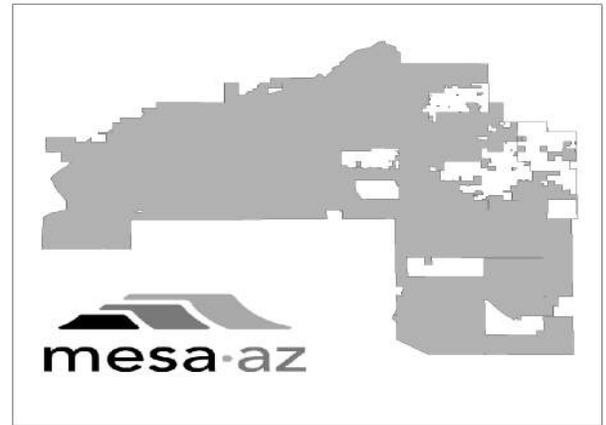
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$5,033,305	\$3,385,505	\$3,798,801	-	-	-	\$12,217,611
Future Wastewater Bond	-	-	-	-	\$6,444,511	\$6,023,538	\$18,988,614	\$31,456,663
Total:	-	\$5,033,305	\$3,385,505	\$3,798,801	\$6,444,511	\$6,023,538	\$18,988,614	\$43,674,274

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$5,033,305	\$3,385,505	\$3,798,801	\$6,444,511	\$6,023,538	\$18,988,614	\$43,674,274
Total	-	\$5,033,305	\$3,385,505	\$3,798,801	\$6,444,511	\$6,023,538	\$18,988,614	\$43,674,274

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Wastewater Bond	-	-	-	-	-	\$1,330,070	\$19,616,525	\$20,946,595
Total:	-	-	-	-	-	\$1,330,070	\$19,616,525	\$20,946,595

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$98,524	\$1,453,076	\$1,551,600
Construction	-	-	-	-	-	-	\$16,350,266	\$16,350,266
Design	-	-	-	-	-	\$1,231,546	\$505,162	\$1,736,708
Direct Expenses	-	-	-	-	-	-	\$1,308,021	\$1,308,021
Total	-	-	-	-	-	\$1,330,070	\$19,616,525	\$20,946,595

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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.



City Wide

Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Wastewater Bond	-	-	-	-	-	\$3,030,266	\$5,076,708	\$8,106,974
Total:	-	-	-	-	-	\$3,030,266	\$5,076,708	\$8,106,974

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	-	-	\$224,464	\$376,051	\$600,515
Construction	-	-	-	-	-	\$1,511,923	\$4,162,313	\$5,674,236
Design	-	-	-	-	-	\$1,172,925	\$205,359	\$1,378,284
Direct Expenses	-	-	-	-	-	\$120,954	\$332,985	\$453,939
Total	-	-	-	-	-	\$3,030,266	\$5,076,708	\$8,106,974

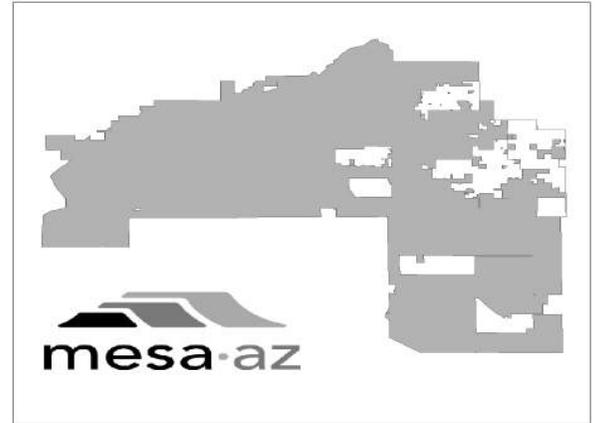
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Customer Demand - Citywide

CP0349 - Odor Control Master Plan

Project Description

Identify and correct major odor-causing compounds at the Northwest Water Reclamation Plant and in the vicinity of Baseline/Loop 101. Odor control is a sensitive issue and closely tied to public relations.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Wastewater Bond	\$692,230	-	-	-	-	-	-	\$692,230
Wastewater	-	-	\$225,143	\$577,157	-	-	\$616,329	\$1,418,629
Total:	\$692,230	-	\$225,143	\$577,157	-	-	\$616,329	\$2,110,859

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$47,180	-	\$16,677	\$42,752	-	-	\$45,654	\$152,263
Design	\$645,050	-	\$208,466	\$534,405	-	-	\$570,675	\$1,958,596
Total	\$692,230	-	\$225,143	\$577,157	-	-	\$616,329	\$2,110,859

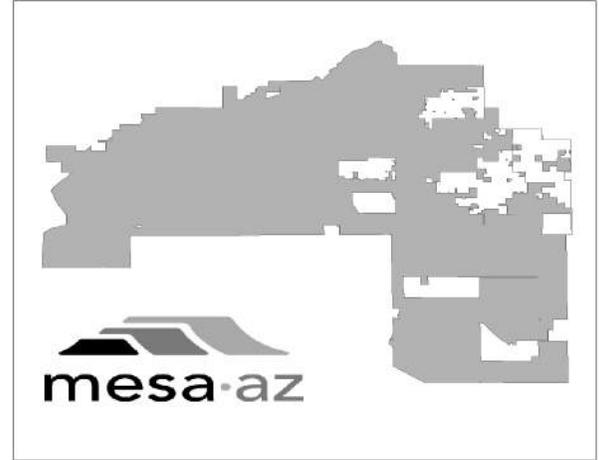
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Customer Demand - Citywide

CP0624 - SEWER LINE EXTENSIONS TO UNSEWERED AREAS (Septic to Sewer)

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$3,335,416	\$598,187	-	-	-	-	\$3,933,603
Future Wastewater Bond	-	-	-	\$613,384	\$628,167	\$2,373,371	\$5,227,419	\$8,842,341
Total:	-	\$3,335,416	\$598,187	\$613,384	\$628,167	\$2,373,371	\$5,227,419	\$12,775,944

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$247,068	\$44,310	\$45,436	\$46,531	\$175,806	\$387,218	\$946,369
Construction	-	\$2,859,582	\$464,593	\$476,395	\$487,877	\$1,857,213	\$4,080,199	\$10,225,859
Design	-	-	\$52,117	\$53,441	\$54,729	\$191,775	\$433,586	\$785,648
Direct Expenses	-	\$228,766	\$37,167	\$38,112	\$39,030	\$148,577	\$326,416	\$818,068
Total	-	\$3,335,416	\$598,187	\$613,384	\$628,167	\$2,373,371	\$5,227,419	\$12,775,944

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Customer Demand in SE 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Wastewater Bond	\$228,781	-	-	-	-	-	-	\$228,781
2014 Wastewater Bond	-	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,493,644
Total:	\$228,781	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,722,425

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Direct Expenses	\$228,781	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,722,425
Total	\$228,781	\$4,318,291	\$34,545,293	\$55,364,814	\$28,351,803	\$1,913,443	-	\$124,722,425

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Wastewater	-	\$4,022	\$57,215	\$151,420	\$1,301,551	\$1,322,673	\$5,635,853	\$8,472,734
Total:	-	\$4,022	\$57,215	\$151,420	\$1,301,551	\$1,322,673	\$5,635,853	\$8,472,734

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Customer Demand in SE 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Wastewater Bond	\$3,838,229	-	-	-	-	-	-	\$3,838,229
2014 Wastewater Bond	\$380,000	-	-	-	-	-	-	\$380,000
Capital Programs	\$325,806	-	-	-	-	-	-	\$325,806
Greenfield WRP Joint Venture	\$6,697,656	\$6,942,590	\$55,539,056	\$89,010,956	\$45,581,677	\$3,076,275	-	\$206,848,210
Total:	\$11,241,691	\$6,942,590	\$55,539,056	\$89,010,956	\$45,581,677	\$3,076,275	-	\$211,392,245

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$282,911	\$95,854	\$766,812	\$1,228,948	\$629,333	\$42,474	-	\$3,046,332
Construction	\$7,077,908	\$255,000	\$48,155,871	\$87,782,008	\$44,952,344	\$3,033,801	-	\$191,256,932
Design	\$3,620,872	\$6,591,736	\$6,616,373	-	-	-	-	\$16,828,981
Direct Expenses	\$260,000	-	-	-	-	-	-	\$260,000
Total	\$11,241,691	\$6,942,590	\$55,539,056	\$89,010,956	\$45,581,677	\$3,076,275	-	\$211,392,245

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Greenfield WRP Joint Venture	-	\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222	\$13,418,701	\$20,173,179
Total:	-	\$9,575	\$136,225	\$360,524	\$3,098,932	\$3,149,222	\$13,418,701	\$20,173,179

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Customer Demand in SE 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

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$1,657,746	\$1,109,082	\$361,087	-	-	-	\$3,127,915
Total:	-	\$1,657,746	\$1,109,082	\$361,087	-	-	-	\$3,127,915

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$122,796	\$82,154	\$26,747	-	-	-	\$231,697
Construction	-	\$1,278,657	\$900,673	\$309,574	-	-	-	\$2,488,904
Design	-	\$154,000	\$54,201	-	-	-	-	\$208,201
Direct Expenses	-	\$102,293	\$72,054	\$24,766	-	-	-	\$199,113
Total	-	\$1,657,746	\$1,109,082	\$361,087	-	-	-	\$3,127,915

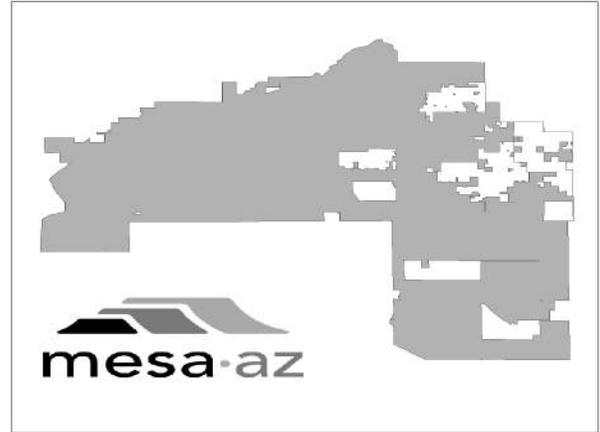
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Customer Demand in SE 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$629,091	\$7,377,518	\$3,875,815	\$5,100,106	-	-	\$16,982,530
Total:	-	\$629,091	\$7,377,518	\$3,875,815	\$5,100,106	-	-	\$16,982,530

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$46,600	\$489,341	\$281,794	\$377,785	-	-	\$1,195,520
Construction	-	-	\$5,616,416	\$2,876,467	\$4,372,519	-	-	\$12,865,402
Design	-	\$582,491	\$822,447	\$487,437	-	-	-	\$1,892,375
Direct Expenses	-	-	\$449,314	\$230,117	\$349,802	-	-	\$1,029,233
Total	-	\$629,091	\$7,377,518	\$3,875,815	\$5,100,106	-	-	\$16,982,530

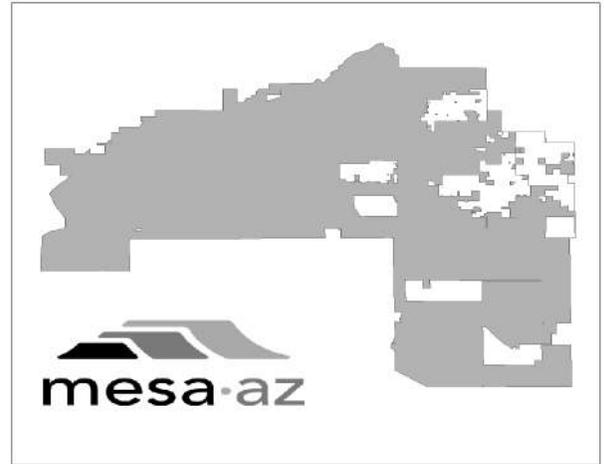
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Customer Demand in SE 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$162,000	\$168,858	\$173,148	-	-	-	\$504,006
Future Wastewater Bond	-	-	-	-	\$177,321	\$180,707	\$569,659	\$927,687
Total:	-	\$162,000	\$168,858	\$173,148	\$177,321	\$180,707	\$569,659	\$1,431,693

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$12,000	\$12,508	\$12,826	\$13,135	\$13,386	\$42,197	\$106,052
Construction	-	\$150,000	\$156,350	\$160,322	\$164,186	\$167,321	\$527,462	\$1,325,641
Total	-	\$162,000	\$168,858	\$173,148	\$177,321	\$180,707	\$569,659	\$1,431,693

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Customer Demand in SE 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$2,395,194	\$226,260	\$2,523,453	-	-	-	-	\$5,144,907
Total:	\$2,395,194	\$226,260	\$2,523,453	-	-	-	-	\$5,144,907

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$156,695	\$16,760	\$186,922	-	-	-	-	\$360,377
Construction	\$2,075,594	-	\$2,163,454	-	-	-	-	\$4,239,048
Design	-	\$209,500	-	-	-	-	-	\$209,500
Direct Expenses	\$162,905	-	\$173,077	-	-	-	-	\$335,982
Total	\$2,395,194	\$226,260	\$2,523,453	-	-	-	-	\$5,144,907

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0040 - 6th Street Sulfide Control Station Rehabilitation

Project Description

Replace the existing pumps, storage tanks, and system controls so that this facility can continue to provide adequate level of service. The existing 6th Street Sulfide Control Station was installed in 2001.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$641,761	\$667,181	-	-	-	-	-	\$1,308,942
Total:	\$641,761	\$667,181	-	-	-	-	-	\$1,308,942

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$41,985	\$49,421	-	-	-	-	-	\$91,406
Construction	\$536,073	\$572,000	-	-	-	-	-	\$1,108,073
Design	\$51,765	-	-	-	-	-	-	\$51,765
Direct Expenses	\$11,938	\$45,760	-	-	-	-	-	\$57,698
Total	\$641,761	\$667,181	-	-	-	-	-	\$1,308,942

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0598 - DIVERSION STRUCTURE REHABILITATION

Project Description

Rehab WW diversion structures that have deteriorated due to age and corrosion to extend the svc life and operability of the structures. Wrk will include repair and recoating of deteriorated concrete and replcmnt of deteriorated hatches and control gates.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$127,440	\$132,835	-	-	-	-	\$260,275
Future Wastewater Bond	-	-	-	\$136,209	\$139,493	\$142,156	\$448,133	\$865,991
Total:	-	\$127,440	\$132,835	\$136,209	\$139,493	\$142,156	\$448,133	\$1,126,266

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$9,440	\$9,840	\$10,090	\$10,333	\$10,530	\$33,195	\$83,428
Construction	-	\$100,000	\$104,233	\$106,881	\$109,457	\$111,547	\$351,641	\$883,759
Design	-	\$10,000	\$10,423	\$10,688	\$10,946	\$11,155	\$35,165	\$88,377
Direct Expenses	-	\$8,000	\$8,339	\$8,550	\$8,757	\$8,924	\$28,132	\$70,702
Total	-	\$127,440	\$132,835	\$136,209	\$139,493	\$142,156	\$448,133	\$1,126,266

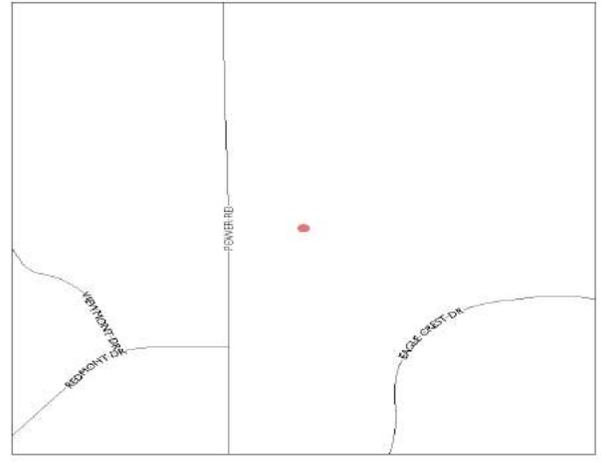
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0379 - Eagle Crest Lift Station Access Easement

Project Description

Obtain an Access Easement from the Maricopa County Flood Control District to legally permit station access via this route. It will also regrade the area between the FCDMC access road and the lift station to facilitate vehicle access.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Wastewater Bond	-	\$79,703	-	-	-	-	-	\$79,703
General Fund	\$61	-	-	-	-	-	-	\$61
Total:	\$61	\$79,703	-	-	-	-	-	\$79,764

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$1	\$5,904	-	-	-	-	-	\$5,905
Construction	-	\$68,332	-	-	-	-	-	\$68,332
Direct Expenses	-	\$5,467	-	-	-	-	-	\$5,467
Land Acquisition	\$60	-	-	-	-	-	-	\$60
Total	\$61	\$79,703	-	-	-	-	-	\$79,764

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0043 - Eagle Crest Lift Station Rehabilitation

Project Description

Replace the existing pumps, piping, and system controls so that this facility can continue to provide adequate level of service.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$18	\$635,426	-	-	-	-	-	\$635,444
Total:	\$18	\$635,426	-	-	-	-	-	\$635,444

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$1	\$47,069	-	-	-	-	-	\$47,070
Construction	\$11	\$544,775	-	-	-	-	-	\$544,786
Design	\$6	-	-	-	-	-	-	\$6
Direct Expenses	-	\$43,582	-	-	-	-	-	\$43,582
Total	\$18	\$635,426	-	-	-	-	-	\$635,444

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0263 - Greenfield Water Reclamation Plant Headworks & Solids Building Duct 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	-	-	-	-	-	-	-	-
2014 Wastewater Bond	\$32,667	-	-	-	-	-	-	\$32,667
Capital Programs	\$144	-	-	-	-	-	-	\$144
Greenfield WRP Joint Venture	-	\$1,145,571	\$120,999	-	-	-	-	\$1,266,570
Total:	\$32,811	\$1,145,571	\$120,999	-	-	-	-	\$1,299,381

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$2,144	\$84,857	\$8,963	-	-	-	-	\$95,964
Construction	-	\$890,476	\$103,737	-	-	-	-	\$994,213
Design	\$30,667	\$99,000	-	-	-	-	-	\$129,667
Direct Expenses	-	\$71,238	\$8,299	-	-	-	-	\$79,537
Total	\$32,811	\$1,145,571	\$120,999	-	-	-	-	\$1,299,381

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CN0014 - Greenfield Water Reclamation Plant Headworks & Solids Building Duct Upgrade - 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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$61	-	-	-	-	-	-	\$61
2010 Wastewater Bond	-	\$481,140	\$50,820	-	-	-	-	\$531,960
Total:	\$61	\$481,140	\$50,820	-	-	-	-	\$532,021

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$35,640	\$3,765	-	-	-	-	\$39,405
Construction	-	\$374,000	\$43,569	-	-	-	-	\$417,569
Design	-	\$41,580	-	-	-	-	-	\$41,580
Direct Expenses	\$61	\$29,920	\$3,486	-	-	-	-	\$33,467
Total	\$61	\$481,140	\$50,820	-	-	-	-	\$532,021

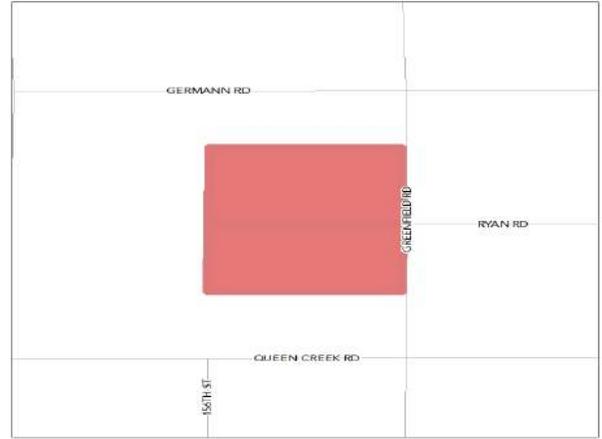
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0625 - Greenfield Water Reclamation Plant Major Improvements

Project Description

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



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Greenfield WRP Joint Venture	-	-	-	\$3,289,798	-	-	\$5,818,146	\$9,107,944
Total:	-	-	-	\$3,289,798	-	-	\$5,818,146	\$9,107,944

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$243,689	-	-	\$430,974	\$674,663
Construction	-	-	-	\$2,672,025	-	-	\$4,565,400	\$7,237,425
Design	-	-	-	\$160,322	-	-	\$456,540	\$616,862
Direct Expenses	-	-	-	\$213,762	-	-	\$365,232	\$578,994
Total	-	-	-	\$3,289,798	-	-	\$5,818,146	\$9,107,944

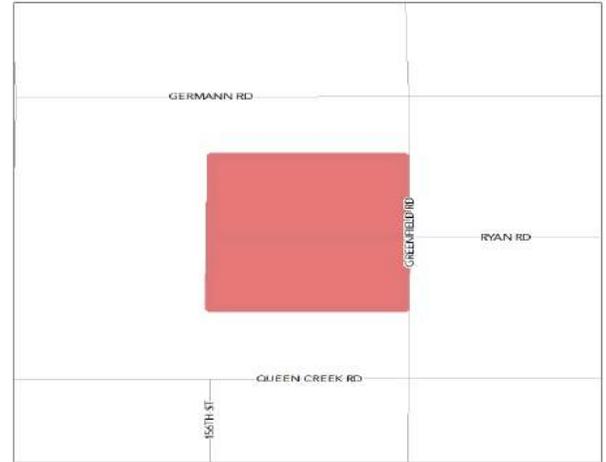
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CN0035 - Greenfield Water Reclamation Plant Major Improvements - 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Wastewater Bond	-	-	-	\$1,381,715	-	-	\$2,443,621	\$3,825,336
Total:	-	-	-	\$1,381,715	-	-	\$2,443,621	\$3,825,336

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	\$102,349	-	-	\$181,009	\$283,358
Construction	-	-	-	\$1,122,251	-	-	\$1,917,468	\$3,039,719
Design	-	-	-	\$67,335	-	-	\$191,747	\$259,082
Direct Expenses	-	-	-	\$89,780	-	-	\$153,397	\$243,177
Total	-	-	-	\$1,381,715	-	-	\$2,443,621	\$3,825,336

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0626 - Greenfield 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 Greenfield Water Reclamation Plant. This work will improve plant operations and reliability.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Greenfield WRP Joint Venture	-	\$4,213,532	\$2,247,508	\$1,236,946	\$1,098,110	\$739,914	\$1,631,503	\$11,167,513
Total:	-	\$4,213,532	\$2,247,508	\$1,236,946	\$1,098,110	\$739,914	\$1,631,503	\$11,167,513

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$303,457	\$166,482	\$91,626	\$81,342	\$54,809	\$120,852	\$818,568
Construction	-	\$3,523,445	\$1,831,997	\$986,604	\$893,726	\$603,371	\$1,301,073	\$9,140,216
Design	-	\$104,754	\$102,470	\$79,788	\$51,544	\$33,464	\$105,492	\$477,512
Direct Expenses	-	\$281,876	\$146,559	\$78,928	\$71,498	\$48,270	\$104,086	\$731,217
Total	-	\$4,213,532	\$2,247,508	\$1,236,946	\$1,098,110	\$739,914	\$1,631,503	\$11,167,513

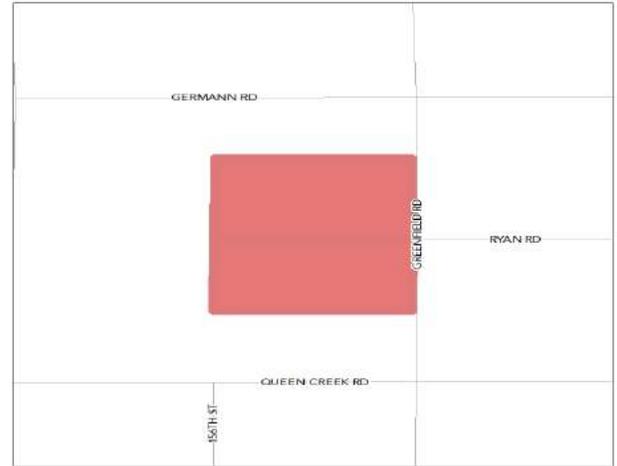
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CN0036 - Greenfield Water Reclamation Plant Miscellaneous Plant Improvements - Mesa Share

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$1,769,684	\$943,954	\$291,198	-	-	-	\$3,004,836
Future Wastewater Bond	-	-	-	\$228,318	\$461,207	\$310,765	\$685,232	\$1,685,522
Total:	-	\$1,769,684	\$943,954	\$519,516	\$461,207	\$310,765	\$685,232	\$4,690,358

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$127,452	\$69,923	\$38,483	\$34,164	\$23,020	\$50,759	\$343,801
Construction	-	\$1,479,847	\$769,439	\$414,373	\$375,365	\$253,416	\$546,450	\$3,838,890
Design	-	\$43,997	\$43,038	\$33,510	\$21,648	\$14,055	\$44,307	\$200,555
Direct Expenses	-	\$118,388	\$61,554	\$33,150	\$30,030	\$20,274	\$43,716	\$307,112
Total	-	\$1,769,684	\$943,954	\$519,516	\$461,207	\$310,765	\$685,232	\$4,690,358

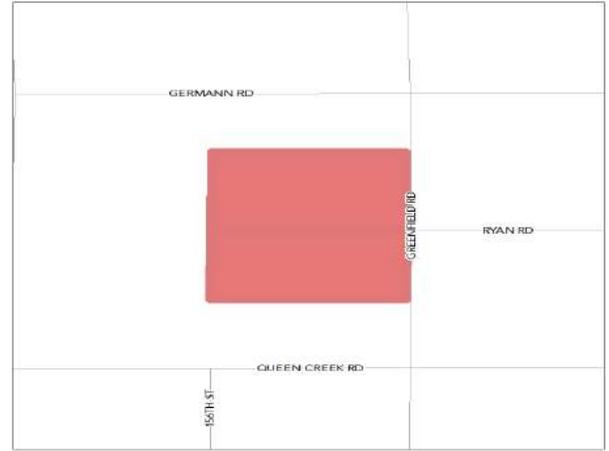
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

C10335 - Greenfield Water Reclamation Plant Primary Odor Control

Project Description

Expand the Primary Odor Control System that is currently at capacity. The project includes the installation of one new chemical wet scrubber; replacement of the two existing chemical storage tanks, and other items.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$1,050,670	-	-	-	-	-	-	\$1,050,670
Capital Programs	\$48,061	-	-	-	-	-	-	\$48,061
Greenfield WRP Joint Venture	\$2,284,830	\$84,127	-	-	-	-	-	\$2,368,957
Total:	\$3,383,561	\$84,127	-	-	-	-	-	\$3,467,688

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$172,320	\$6,232	-	-	-	-	-	\$178,552
Construction	\$2,933,444	\$72,125	-	-	-	-	-	\$3,005,569
Design	\$258,953	-	-	-	-	-	-	\$258,953
Direct Expenses	\$18,844	\$5,770	-	-	-	-	-	\$24,614
Total	\$3,383,561	\$84,127	-	-	-	-	-	\$3,467,688

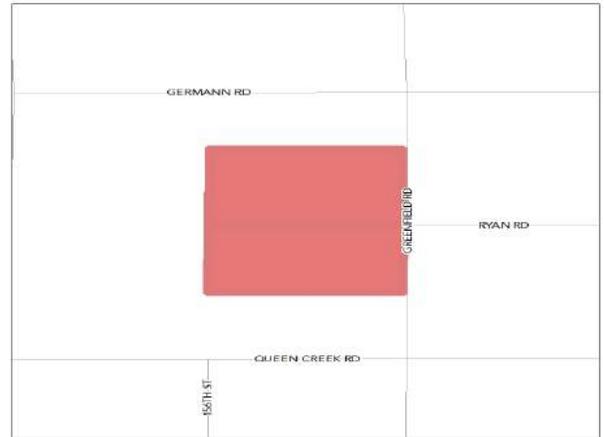
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CN0012 - Greenfield Water Reclamation Plant Primary Odor Control - Mesa Share

Project Description

Expand the Primary Odor Control System that is currently at capacity. The project includes the installation of one new chemical wet scrubber; replacement of the two existing chemical storage tanks, and other items.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$19,756	-	-	-	-	-	-	\$19,756
2010 Wastewater Bond	-	\$35,333	-	-	-	-	-	\$35,333
Total:	\$19,756	\$35,333	-	-	-	-	-	\$55,089

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$2,617	-	-	-	-	-	\$2,617
Construction	-	\$30,293	-	-	-	-	-	\$30,293
Direct Expenses	\$19,756	\$2,423	-	-	-	-	-	\$22,179
Total	\$19,756	\$35,333	-	-	-	-	-	\$55,089

Utilities Major Program Detail Fiscal Years 2017 - 2021

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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Greenfield WRP Joint Venture	-	\$1,283,040	-	-	-	-	-	\$1,283,040
Total:	-	\$1,283,040	-	-	-	-	-	\$1,283,040

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$95,040	-	-	-	-	-	\$95,040
Construction	-	\$1,100,000	-	-	-	-	-	\$1,100,000
Direct Expenses	-	\$88,000	-	-	-	-	-	\$88,000
Total	-	\$1,283,040	-	-	-	-	-	\$1,283,040

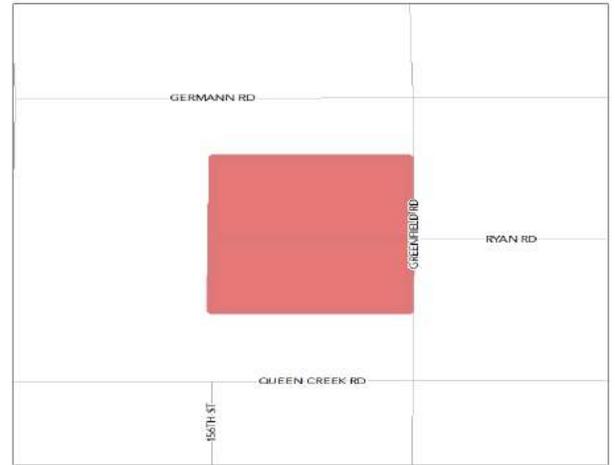
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CN0026 - Greenfield Water Reclamation Plant Sludge Line Replacement - Mesa Share

Project Description

Replace piping in the Solids Handling Building that has deteriorated due to corrosion and is subject to failure.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$538,877	-	-	-	-	-	\$538,877
Total:	-	\$538,877	-	-	-	-	-	\$538,877

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$39,917	-	-	-	-	-	\$39,917
Construction	-	\$462,000	-	-	-	-	-	\$462,000
Direct Expenses	-	\$36,960	-	-	-	-	-	\$36,960
Total	-	\$538,877	-	-	-	-	-	\$538,877

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$58,320	\$60,789	-	-	-	-	\$119,109
Future Wastewater Bond	-	-	-	\$62,333	\$63,836	\$251,785	\$3,071,161	\$3,449,115
Total:	-	\$58,320	\$60,789	\$62,333	\$63,836	\$251,785	\$3,071,161	\$3,568,224

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$4,320	\$4,503	\$4,617	\$4,729	\$18,651	\$227,494	\$264,314
Construction	-	-	-	-	-	-	\$2,313,815	\$2,313,815
Design	-	-	-	-	-	\$172,898	\$154,860	\$327,758
Direct Expenses	-	\$4,000	\$4,169	\$4,275	\$4,378	\$4,462	\$199,171	\$220,455
Purchases	-	\$50,000	\$52,117	\$53,441	\$54,729	\$55,774	\$175,821	\$441,882
Total	-	\$58,320	\$60,789	\$62,333	\$63,836	\$251,785	\$3,071,161	\$3,568,224

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0600 - MANHOLE REHABILITATION

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Utility Replacement Extension and Renewal	-	\$1,553,990	\$1,619,771	\$1,660,921	\$1,700,951	\$1,733,430	\$5,464,466	\$13,733,529
Total:	-	\$1,553,990	\$1,619,771	\$1,660,921	\$1,700,951	\$1,733,430	\$5,464,466	\$13,733,529

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$115,110	\$119,983	\$123,031	\$125,996	\$128,402	\$404,774	\$1,017,296
Construction	-	\$1,286,000	\$1,340,436	\$1,374,490	\$1,407,617	\$1,434,494	\$4,522,103	\$11,365,140
Design	-	\$50,000	\$52,117	\$53,441	\$54,729	\$55,774	\$175,821	\$441,882
Direct Expenses	-	\$102,880	\$107,235	\$109,959	\$112,609	\$114,760	\$361,768	\$909,211
Total	-	\$1,553,990	\$1,619,771	\$1,660,921	\$1,700,951	\$1,733,430	\$5,464,466	\$13,733,529

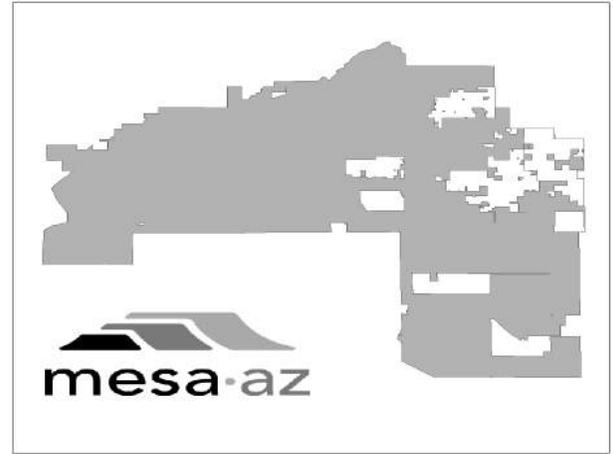
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0616 - METERING STATION REHABILITATION AND EQUIPMENT REPLACEMENT

Project Description

Rehabilitate deteriorated structures and replce existing equipmnt that is no longer functional or has reached it's useful life to maintn adequate lvls of service and bring the facilities into conformance with current design standards and specifications.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$29,160	\$30,394	-	-	-	-	\$59,554
Future Wastewater Bond	-	-	-	\$31,167	\$31,917	\$32,527	\$102,539	\$198,150
Total:	-	\$29,160	\$30,394	\$31,167	\$31,917	\$32,527	\$102,539	\$257,704

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$2,160	\$2,251	\$2,309	\$2,364	\$2,409	\$7,595	\$19,088
Direct Expenses	-	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$17,676
Purchases	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Total	-	\$29,160	\$30,394	\$31,167	\$31,917	\$32,527	\$102,539	\$257,704

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

C10478 - Northwest Water Reclamation Plant Aeration System Improvements

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$1,089,187	-	-	-	-	-	-	\$1,089,187
2010 Wastewater Bond	\$3,043,878	\$1,593,069	-	-	-	-	-	\$4,636,947
Total:	\$4,133,065	\$1,593,069	-	-	-	-	-	\$5,726,134

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$268,173	\$118,005	-	-	-	-	-	\$386,178
Construction	\$3,343,368	\$1,365,800	-	-	-	-	-	\$4,709,168
Design	\$311,509	-	-	-	-	-	-	\$311,509
Direct Expenses	\$210,015	\$109,264	-	-	-	-	-	\$319,279
Total	\$4,133,065	\$1,593,069	-	-	-	-	-	\$5,726,134

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0627 - Northwest Water Reclamation Plant Major Improvements

Project Description

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



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	-	\$985,002	\$2,337,488	-	-	-	\$3,322,490
Future Wastewater Bond	-	-	-	-	-	\$229,135	\$2,819,021	\$3,048,156
Total:	-	-	\$985,002	\$2,337,488	-	\$229,135	\$2,819,021	\$6,370,646

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$72,963	\$173,147	-	\$16,973	\$208,817	\$471,900
Construction	-	-	\$651,456	\$2,004,019	-	-	\$2,453,903	\$5,109,378
Design	-	-	\$208,466	-	-	\$212,162	-	\$420,628
Direct Expenses	-	-	\$52,117	\$160,322	-	-	\$156,301	\$368,740
Total	-	-	\$985,002	\$2,337,488	-	\$229,135	\$2,819,021	\$6,370,646

Utilities Major Program Detail Fiscal Years 2017 - 2021

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 it's useful life at the Northeast Water Reclamation Plant. This work will improve plant operations and reliability.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$116,640	\$729,464	-	-	-	-	\$846,104
Future Wastewater Bond	-	-	-	\$747,996	\$766,024	\$780,651	\$2,666,001	\$4,960,672
Total:	-	\$116,640	\$729,464	\$747,996	\$766,024	\$780,651	\$2,666,001	\$5,806,776

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$8,640	\$54,034	\$55,407	\$56,743	\$57,826	\$197,481	\$430,131
Construction	-	-	\$521,165	\$534,405	\$547,285	\$557,735	\$1,758,205	\$3,918,795
Direct Expenses	-	\$8,000	\$50,032	\$51,303	\$52,539	\$53,543	\$182,853	\$398,270
Purchases	-	\$100,000	\$104,233	\$106,881	\$109,457	\$111,547	\$527,462	\$1,059,580
Total	-	\$116,640	\$729,464	\$747,996	\$766,024	\$780,651	\$2,666,001	\$5,806,776

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0386 - Odor Control Station Equipment Replacement

Project Description

Replace equipment that is no longer functional or has reached it's useful life at the wastewater lift stations to maintain level of service.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$28,890	\$513,216	-	-	-	-	-	\$542,106
Total:	\$28,890	\$513,216	-	-	-	-	-	\$542,106

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$1,890	\$38,016	-	-	-	-	-	\$39,906
Construction	-	\$440,000	-	-	-	-	-	\$440,000
Direct Expenses	\$2,000	\$35,200	-	-	-	-	-	\$37,200
Purchases	\$25,000	-	-	-	-	-	-	\$25,000
Total	\$28,890	\$513,216	-	-	-	-	-	\$542,106

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$29,160	\$30,394	-	-	-	-	\$59,554
Future Wastewater Bond	-	-	-	\$31,167	\$31,917	\$183,116	\$4,373,568	\$4,619,768
Total:	-	\$29,160	\$30,394	\$31,167	\$31,917	\$183,116	\$4,373,568	\$4,679,322

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$2,160	\$2,251	\$2,309	\$2,364	\$13,564	\$323,968	\$346,616
Construction	-	-	-	-	-	-	\$3,476,778	\$3,476,778
Design	-	-	-	-	-	\$139,434	\$199,736	\$339,170
Direct Expenses	-	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231	\$285,175	\$295,818
Purchases	-	\$25,000	\$26,058	\$26,720	\$27,364	\$27,887	\$87,911	\$220,940
Total	-	\$29,160	\$30,394	\$31,167	\$31,917	\$183,116	\$4,373,568	\$4,679,322

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0622 - SEWER LINE CONDITION ASSESSMENT AND REHABILITATION

Project Description

Collect & eval data on the WW collection sys to determine the condition of the existing facilities, identify problems, & develop an ongoing prog for sys rehab and/or replmnt to maintain level of srvc, extend svc life, & minimize the risk of mjr failures.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$433,620	\$451,975	-	-	-	-	\$885,595
Future Wastewater Bond	-	-	-	\$463,457	\$474,628	\$483,690	\$1,524,785	\$2,946,560
Total:	-	\$433,620	\$451,975	\$463,457	\$474,628	\$483,690	\$1,524,785	\$3,832,155

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$32,120	\$33,480	\$34,330	\$35,158	\$35,829	\$112,947	\$283,864
Design	-	\$401,500	\$418,495	\$429,127	\$439,470	\$447,861	\$1,411,838	\$3,548,291
Total	-	\$433,620	\$451,975	\$463,457	\$474,628	\$483,690	\$1,524,785	\$3,832,155

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Wastewater Lifecycle

CP0623 - Sewer Line Rehabilitation / Repair / Replace

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$2,152,428	\$873,049	\$5,796,363	-	-	-	\$8,821,840
Future Wastewater Bond	-	-	-	\$1,228,340	\$11,815,626	\$10,977,613	\$7,969,559	\$31,991,138
Total:	-	\$2,152,428	\$873,049	\$7,024,703	\$11,815,626	\$10,977,613	\$7,969,559	\$40,812,978

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$159,439	\$64,670	\$520,349	\$875,231	\$813,156	\$590,338	\$3,023,183
Construction	-	\$1,703,069	\$282,159	\$5,151,893	\$9,704,461	\$9,097,970	\$6,412,930	\$32,352,482
Design	-	\$153,674	\$503,647	\$940,309	\$459,577	\$338,650	\$453,257	\$2,849,114
Direct Expenses	-	\$136,246	\$22,573	\$412,152	\$776,357	\$727,837	\$513,034	\$2,588,199
Total	-	\$2,152,428	\$873,049	\$7,024,703	\$11,815,626	\$10,977,613	\$7,969,559	\$40,812,978

Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0383 - Sewer Line Rehabilitation

Project Description

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



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$2,262,666	\$2,382,074	-	-	-	-	-	\$4,644,740
Total:	\$2,262,666	\$2,382,074	-	-	-	-	-	\$4,644,740

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$57,042	\$176,450	-	-	-	-	-	\$233,492
Construction	\$1,901,400	\$1,901,400	-	-	-	-	-	\$3,802,800
Design	\$152,112	\$152,112	-	-	-	-	-	\$304,224
Direct Expenses	\$152,112	\$152,112	-	-	-	-	-	\$304,224
Total	\$2,262,666	\$2,382,074	-	-	-	-	-	\$4,644,740

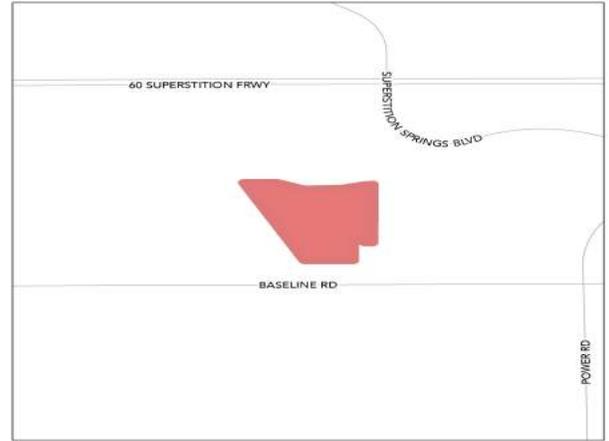
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0629 - Southeast Water Reclamation Plant Major 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Wastewater Bond	-	-	-	\$3,289,798	-	-	\$3,999,975	\$7,289,773
Total:	-	-	-	\$3,289,798	-	-	\$3,999,975	\$7,289,773

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	\$243,689	-	-	\$296,294	\$539,983
Construction	-	-	-	\$2,672,025	-	-	\$3,138,713	\$5,810,738
Design	-	-	-	\$160,322	-	-	\$313,871	\$474,193
Direct Expenses	-	-	-	\$213,762	-	-	\$251,097	\$464,859
Total	-	-	-	\$3,289,798	-	-	\$3,999,975	\$7,289,773

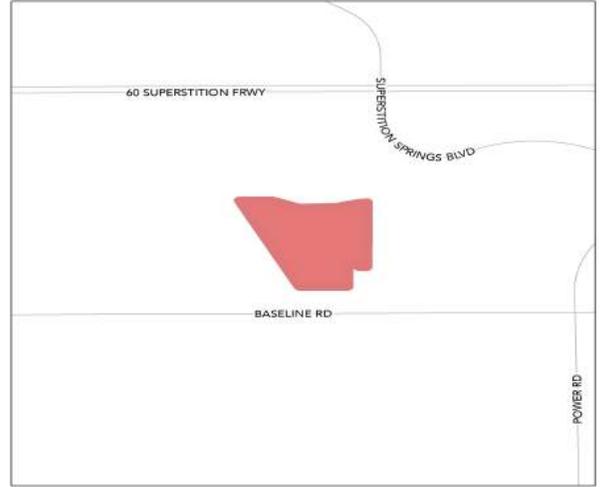
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0630 - Southeast Water Reclamation Plant Miscellaneous 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 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	\$116,640	\$121,578	-	-	-	-	\$238,218
Future Wastewater Bond	-	-	-	\$124,666	\$127,671	\$130,109	\$615,231	\$997,677
Total:	-	\$116,640	\$121,578	\$124,666	\$127,671	\$130,109	\$615,231	\$1,235,895

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$8,640	\$9,006	\$9,235	\$9,457	\$9,638	\$45,572	\$91,548
Direct Expenses	-	\$8,000	\$8,339	\$8,550	\$8,757	\$8,924	\$42,197	\$84,767
Purchases	-	\$100,000	\$104,233	\$106,881	\$109,457	\$111,547	\$527,462	\$1,059,580
Total	-	\$116,640	\$121,578	\$124,666	\$127,671	\$130,109	\$615,231	\$1,235,895

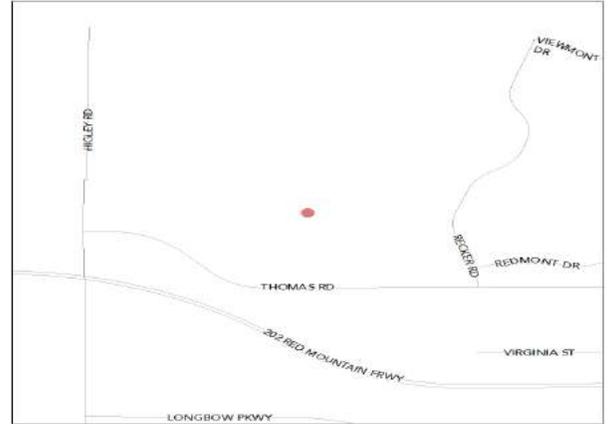
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0389 - Star Valley Lift Station Rehabilitation

Project Description

Replace existing chemical storage tanks, pumps and piping,
Replace existing submersible sewage pumps and motors,
replace existing electrical equipment and controls.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	-	-	\$90,058	\$1,246,660	-	-	-	\$1,336,718
Total:	-	-	\$90,058	\$1,246,660	-	-	-	\$1,336,718

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	\$6,671	\$92,345	-	-	-	\$99,016
Construction	-	-	-	\$1,068,810	-	-	-	\$1,068,810
Design	-	-	\$83,387	-	-	-	-	\$83,387
Direct Expenses	-	-	-	\$85,505	-	-	-	\$85,505
Total	-	-	\$90,058	\$1,246,660	-	-	-	\$1,336,718

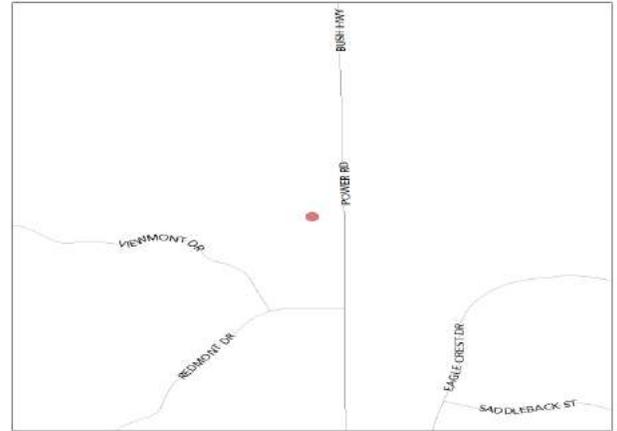
Utilities Major Program Detail Fiscal Years 2017 - 2021

Wastewater Lifecycle

CP0044 - Vanguard Lift Station and Sulfide Control Station Rehabilitation

Project Description

Replace the existing pumps, storage tanks, piping, and system controls so that this facility can continue to provide adequate level of service. The existing Vanguard Lift Station and Sulfide Control Station was installed in 1992.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Wastewater Bond	-	\$432,384	-	-	-	-	-	\$432,384
Total:	-	\$432,384	-	-	-	-	-	\$432,384

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$32,028	-	-	-	-	-	\$32,028
Construction	-	\$370,700	-	-	-	-	-	\$370,700
Direct Expenses	-	\$29,656	-	-	-	-	-	\$29,656
Total	-	\$432,384	-	-	-	-	-	\$432,384

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Contractual Obligations

C10597 - Val Vista Pipelines to City Zone Reservoirs

Project Description

Construct three water transmission mains to transfer water from the plant to the City Zone pump stations. Mesa will separate its flow, construct its own mains to serve its pump stations.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$35,367,606	-	-	-	-	-	-	\$35,367,606
2014 Water Bond	\$18,725,578	\$11,537,991	-	-	-	-	-	\$30,263,569
Total:	\$54,093,183	\$11,537,991	-	-	-	-	-	\$65,631,174

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$17,716,366	\$653,094	-	-	-	-	-	\$18,369,460
Construction	\$30,674,768	\$10,884,897	-	-	-	-	-	\$41,559,665
Design	\$3,721,902	-	-	-	-	-	-	\$3,721,902
Direct Expenses	\$1,342,835	-	-	-	-	-	-	\$1,342,835
Land Acquisition	\$637,312	-	-	-	-	-	-	\$637,312
Total	\$54,093,183	\$11,537,991	-	-	-	-	-	\$65,631,174

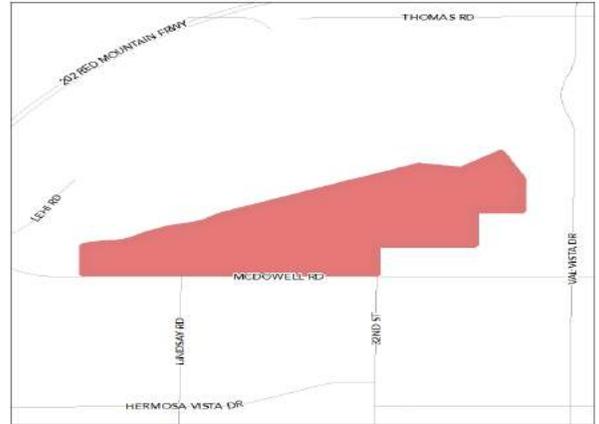
Utilities Major Program Detail Fiscal Years 2017 - 2021

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$697,058	\$3,618,739	\$1,358,033	\$3,049,819	-	-	-	\$8,723,649
Future Water Bond	-	-	-	-	\$8,706,897	\$5,577,350	\$10,456,870	\$24,741,117
Total:	\$697,058	\$3,618,739	\$1,358,033	\$3,049,819	\$8,706,897	\$5,577,350	\$10,456,870	\$33,464,766

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Construction	-	\$3,618,739	\$1,358,033	\$3,049,819	\$8,706,897	\$5,577,350	\$10,456,870	\$32,767,708
Mesa Share	\$697,058	-	-	-	-	-	-	\$697,058
Total	\$697,058	\$3,618,739	\$1,358,033	\$3,049,819	\$8,706,897	\$5,577,350	\$10,456,870	\$33,464,766

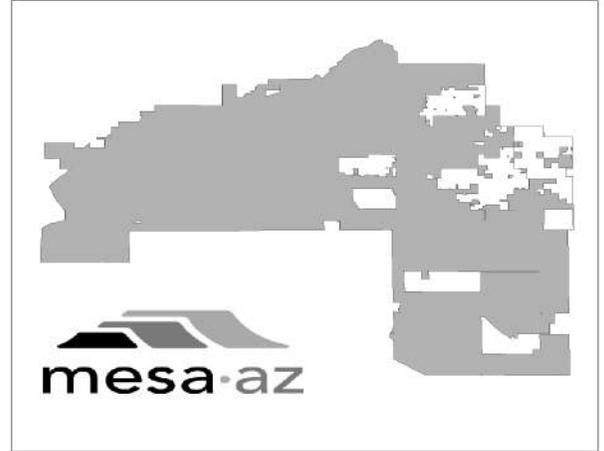
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Contractual Obligations

CN0028 - Water Rights for White Mountain Apache Water Settlement

Project Description

Mesa will lease for 100 years from the Tribe 866 acre-feet per year of high priority CAP water and 2,291 acre-feet per year of lower priority CAP water. Wtr comes at a priority equiv to the Municipal & Industrial priority CAP water.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009
Total:	-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009
Total	-	\$3,700,000	\$3,700,009	-	-	-	-	\$7,400,009

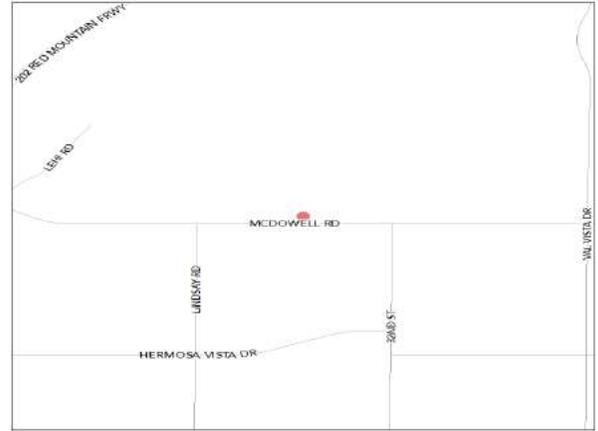
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand Citywide

C10392 - Transfer Station 3 Improvements

Project Description

Expand transfer capacity of Transfer Station 3 to meet projected water demands. During a Central Arizona Project canal outage on-project to off-project transfer capacity at Transfer Station 3 needs to be expanded.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$200	-	-	-	-	-	-	\$200
2014 Water Bond	\$513,104	\$7,544,676	-	-	-	-	-	\$8,057,780
Total:	\$513,303	\$7,544,676	-	-	-	-	-	\$8,057,979

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$27,456	\$427,057	-	-	-	-	-	\$454,513
Construction	-	\$7,055,241	-	-	-	-	-	\$7,055,241
Design	\$485,742	-	-	-	-	-	-	\$485,742
Direct Expenses	\$105	\$62,378	-	-	-	-	-	\$62,483
Total	\$513,303	\$7,544,676	-	-	-	-	-	\$8,057,979

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$27,173,803
Total:	-	-	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$27,173,803

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$669,282	\$684,810	\$1,354,092
Construction	-	-	-	-	-	\$11,154,700	\$11,413,500	\$22,568,200
Design	-	-	-	\$1,336,013	\$1,094,570	-	-	\$2,430,583
Land Acquisition	-	-	-	-	\$820,928	-	-	\$820,928
Total	-	-	-	\$1,336,013	\$1,915,498	\$11,823,982	\$12,098,310	\$27,173,803

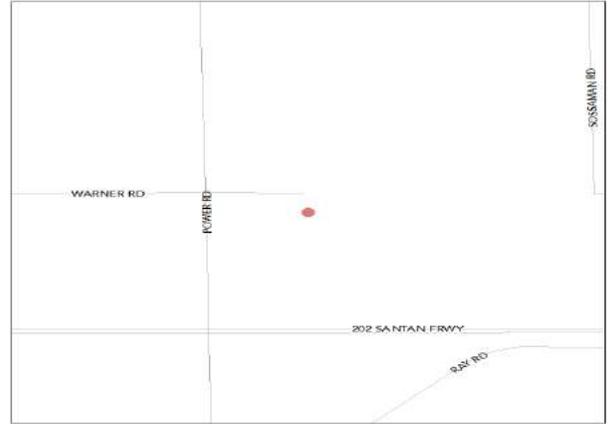
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE Mesa

C05032 - Desert Well 19

Project Description

Provide a backup water supply for Desert Well #19, located at Signal Butte Road, south of Elliot in the event of CAP canal outages and peaking reliability in the Southeast area of Mesa.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$2,416,173	\$1,217,526	-	-	-	-	-	\$3,633,699
Total:	\$2,416,173	\$1,217,526	-	-	-	-	-	\$3,633,699

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$115,095	\$68,917	-	-	-	-	-	\$184,012
Construction	\$2,218,267	\$1,143,000	-	-	-	-	-	\$3,361,267
Design	\$60,631	-	-	-	-	-	-	\$60,631
Direct Expenses	\$22,181	\$5,609	-	-	-	-	-	\$27,790
Total	\$2,416,173	\$1,217,526	-	-	-	-	-	\$3,633,699

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Water	-	-	\$132,148	\$130,161	\$133,298	\$135,843	\$492,690	\$1,024,140
Total:	-	-	\$132,148	\$130,161	\$133,298	\$135,843	\$492,690	\$1,024,140

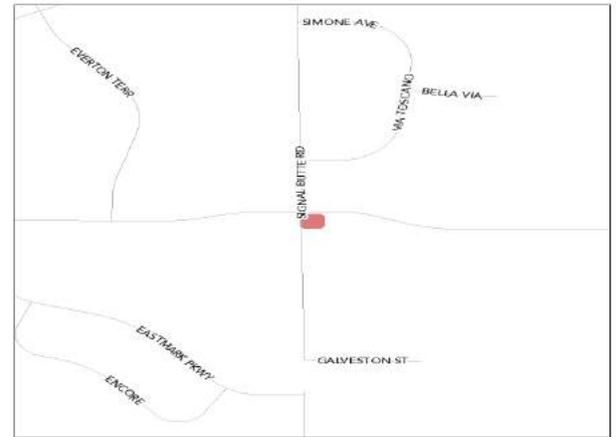
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE Mesa

C05033 - Desert Well 20 Drill and Equip

Project Description

Provide a backup water supply for Desert Well 20. The 2004 Water Master Plan identified the need for adding six new wells that would feed into the new South Central Arizona Project reservoir and pump stations.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$598,588	\$1,217,526	-	-	-	-	-	\$1,816,114
Total:	\$598,588	\$1,217,526	-	-	-	-	-	\$1,816,114

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$28,529	\$68,917	-	-	-	-	-	\$97,446
Construction	\$561,014	\$1,143,000	-	-	-	-	-	\$1,704,014
Design	\$3,437	-	-	-	-	-	-	\$3,437
Direct Expenses	\$5,609	\$5,609	-	-	-	-	-	\$11,218
Total	\$598,588	\$1,217,526	-	-	-	-	-	\$1,816,114

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Water	-	-	\$54,335	\$55,715	\$57,058	\$58,147	\$247,762	\$473,017
Total:	-	-	\$54,335	\$55,715	\$57,058	\$58,147	\$247,762	\$473,017

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE Mesa

CP0054 - Elliot Road Water Line: Hawes to Sossaman Road

Project Description

Install a water transmission main to move water from the South Central Arizona Project transmission main west and to lines connecting north and south.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$238,207	\$16,297,411	-	-	-	-	-	\$16,535,618
Total:	\$238,207	\$16,297,411	-	-	-	-	-	\$16,535,618

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$11,411	\$922,495	-	-	-	-	-	\$933,906
Construction	\$148	\$15,222,689	-	-	-	-	-	\$15,222,837
Design	\$226,648	-	-	-	-	-	-	\$226,648
Direct Expenses	-	\$152,227	-	-	-	-	-	\$152,227
Total	\$238,207	\$16,297,411	-	-	-	-	-	\$16,535,618

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$1,284,525	\$1,338,306	-	-	-	-	\$2,622,831
Future Water Bond	-	-	-	\$3,499,081	\$2,678,352	\$1,813,018	\$27,819,432	\$35,809,883
Total:	-	\$1,284,525	\$1,338,306	\$3,499,081	\$2,678,352	\$1,813,018	\$27,819,432	\$38,432,714

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$72,709	\$75,753	\$198,061	\$151,605	\$39,483	\$1,541,075	\$2,078,686
Construction	-	\$1,096,178	\$1,138,595	\$3,009,861	\$2,502,187	-	\$24,335,003	\$32,081,824
Design	-	\$104,676	\$112,572	\$231,464	-	\$658,065	\$1,008,865	\$2,115,642
Direct Expenses	-	\$10,962	\$11,386	\$59,695	\$24,560	-	\$340,724	\$447,327
Land Acquisition	-	-	-	-	-	\$1,115,470	\$593,765	\$1,709,235
Total	-	\$1,284,525	\$1,338,306	\$3,499,081	\$2,678,352	\$1,813,018	\$27,819,432	\$38,432,714

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Water	-	-	-	\$55,715	\$57,058	\$174,442	\$1,185,954	\$1,473,169
Total:	-	-	-	\$55,715	\$57,058	\$174,442	\$1,185,954	\$1,473,169

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE Mesa

CP0639 - NEW PUMP STATION

Project Description

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



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$1,063,286	\$3,025,089	-	-	-	-	\$4,088,375
Future Water Bond	-	-	-	\$51,623	\$533,964	\$854,940	\$5,966,778	\$7,407,305
Total:	-	\$1,063,286	\$3,025,089	\$51,623	\$533,964	\$854,940	\$5,966,778	\$11,495,680

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$60,186	\$171,232	\$2,458	\$25,427	\$46,583	\$284,132	\$590,018
Construction	-	\$800,000	\$2,825,600	-	\$503,502	\$598,436	\$4,879,964	\$9,607,502
Design	-	\$195,100	-	\$49,165	-	\$203,937	\$753,882	\$1,202,084
Direct Expenses	-	\$8,000	\$28,257	-	\$5,035	\$5,984	\$48,800	\$96,076
Total	-	\$1,063,286	\$3,025,089	\$51,623	\$533,964	\$854,940	\$5,966,778	\$11,495,680

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE Mesa

C01600 - Signal Butte Water Treatment Plant

Project Description

Construct the first phase with a water treatment capacity of 24 MGD to serve Southeast Mesa. Treated water will flow into an existing finished water reservoir and pump station.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$5,026,766	-	-	-	-	-	-	\$5,026,766
2014 Water Bond	\$6,832,514	\$59,947,680	\$52,095,716	-	-	-	-	\$118,875,910
Total:	\$11,859,280	\$59,947,680	\$52,095,716	-	-	-	-	\$123,902,676

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$561,944	\$827,680	\$719,270	-	-	-	-	\$2,108,894
Construction	-	\$54,270,000	\$47,144,586	-	-	-	-	\$101,414,586
Design	\$9,872,314	\$4,340,000	\$3,773,235	-	-	-	-	\$17,985,549
Direct Expenses	\$1,425,022	\$510,000	\$458,625	-	-	-	-	\$2,393,647
Total	\$11,859,280	\$59,947,680	\$52,095,716	-	-	-	-	\$123,902,676

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Water	-	-	\$1,165,702	\$2,562,088	\$2,618,366	\$2,668,361	\$11,369,777	\$20,384,294
Total:	-	-	\$1,165,702	\$2,562,088	\$2,618,366	\$2,668,361	\$11,369,777	\$20,384,294

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$2,332,944	\$791,839	\$6,615,329	-	-	-	\$9,740,112
Future Water Bond	-	-	-	-	-	\$1,076,110	\$17,060,345	\$18,136,455
Total:	-	\$2,332,944	\$791,839	\$6,615,329	-	\$1,076,110	\$17,060,345	\$27,876,567

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$132,053	\$44,821	\$374,451	-	\$60,912	\$965,680	\$1,577,917
Construction	-	\$2,179,100	-	\$6,179,087	-	-	\$15,610,544	\$23,968,731
Design	-	-	\$747,018	-	-	\$1,015,198	\$328,014	\$2,090,230
Direct Expenses	-	\$21,791	-	\$61,791	-	-	\$156,107	\$239,689
Total	-	\$2,332,944	\$791,839	\$6,615,329	-	\$1,076,110	\$17,060,345	\$27,876,567

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE Mesa

C05007 - Warner Lift Station Modifications

Project Description

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



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$43,999	-	-	-	-	-	-	\$43,999
2010 Gas Bond	-	\$309,777	-	-	-	-	-	\$309,777
2010 Wastewater Bond	\$648,420	-	-	-	-	-	-	\$648,420
2010 Water Bond	\$625	\$169,455	-	-	-	-	-	\$170,080
2014 Water Bond	\$196,362	-	-	-	-	-	-	\$196,362
Total:	\$889,406	\$479,232	-	-	-	-	-	\$1,368,638

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$65,322	\$45,230	-	-	-	-	-	\$110,552
Construction	\$766,807	\$371,592	-	-	-	-	-	\$1,138,399
Design	\$54,655	\$62,136	-	-	-	-	-	\$116,791
Direct Expenses	-	\$274	-	-	-	-	-	\$274
Land Acquisition	\$2,622	-	-	-	-	-	-	\$2,622
Total	\$889,406	\$479,232	-	-	-	-	-	\$1,368,638

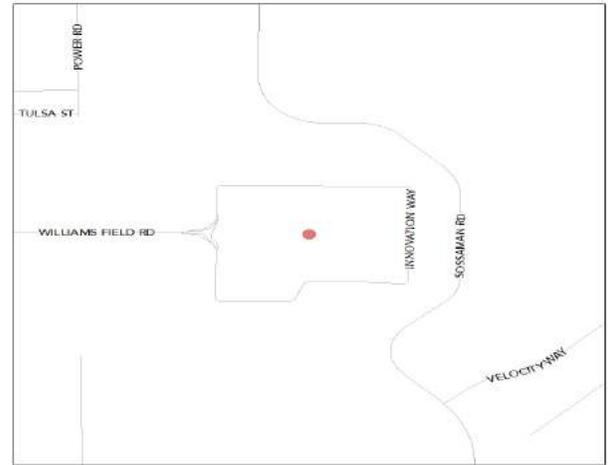
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE 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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2006 Wastewater Bond	\$9,759	-	-	-	-	-	-	\$9,759
2008 Street Bond	(\$33,096)	-	-	-	-	-	-	(\$33,096)
2010 Wastewater Bond	\$2,018,145	-	\$205,227	\$2,272,757	-	-	-	\$4,496,129
2010 Water Bond	\$824,426	\$810,816	-	-	-	-	-	\$1,635,242
Total:	\$2,819,234	\$810,816	\$205,227	\$2,272,757	-	-	-	\$6,108,034

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$71,397	\$45,895	\$15,202	\$168,353	-	-	-	\$300,847
Construction	\$2,595,078	\$764,921	-	\$1,948,522	-	-	-	\$5,308,521
Design	\$6,914	-	\$190,025	-	-	-	-	\$196,939
Direct Expenses	\$145,846	-	-	\$155,882	-	-	-	\$301,728
Total	\$2,819,234	\$810,816	\$205,227	\$2,272,757	-	-	-	\$6,108,034

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE 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 apply for City Share to fund the difference in oversizing.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$214,120	\$223,184	\$228,854	-	-	-	\$666,158
Future Water Bond	-	-	-	-	\$234,369	\$238,844	\$752,933	\$1,226,146
Total:	-	\$214,120	\$223,184	\$228,854	\$234,369	\$238,844	\$752,933	\$1,892,304

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$12,120	\$12,633	\$12,954	\$13,266	\$13,519	\$42,618	\$107,110
Construction	-	\$200,000	\$208,466	\$213,762	\$218,914	\$223,094	\$703,282	\$1,767,518
Direct Expenses	-	\$2,000	\$2,085	\$2,138	\$2,189	\$2,231	\$7,033	\$17,676
Total	-	\$214,120	\$223,184	\$228,854	\$234,369	\$238,844	\$752,933	\$1,892,304

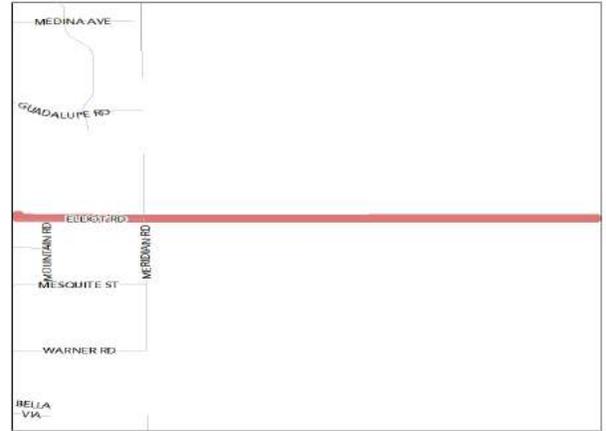
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE Mesa

C01645 - Water Line from CAP to Signal Butte Water Treatment Plant

Project Description

Construct raw water line to serve the Signal Butte Water Treatment Plant. There is also an agreement with RWCD to transport water from the CAP canal to their irrigation canal at Signal Butte and Elliot. This water line will be approximately 3 miles.



LEGEND
PROJECT LOCATION



Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$540,384	-	-	-	-	-	-	\$540,384
2014 Water Bond	\$2,019,317	\$9,996,029	-	-	-	-	-	\$12,015,346
Total:	\$2,559,701	\$9,996,029	-	-	-	-	-	\$12,555,730

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$122,130	\$565,813	-	-	-	-	-	\$687,943
Construction	\$1,829,922	\$9,375,000	-	-	-	-	-	\$11,204,922
Design	\$506,650	-	-	-	-	-	-	\$506,650
Direct Expenses	\$101,000	\$55,216	-	-	-	-	-	\$156,216
Total	\$2,559,701	\$9,996,029	-	-	-	-	-	\$12,555,730

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Customer Demand SE 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	-	-	\$369,887	\$12,779,522	\$13,149,409
Total:	-	-	-	-	-	\$369,887	\$12,779,522	\$13,149,409

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	-	-	\$20,937	\$723,372	\$744,309
Construction	-	-	-	-	-	-	\$11,305,476	\$11,305,476
Design	-	-	-	-	-	\$348,950	\$637,618	\$986,568
Direct Expenses	-	-	-	-	-	-	\$113,056	\$113,056
Total	-	-	-	-	-	\$369,887	\$12,779,522	\$13,149,409

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Customer Demand SE Mesa

C04048 - Well Site Acquisition

Project Description

Fund land acquisition for additional well sites needed in the Desert Wells zone.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$262,492	\$265,000	-	-	-	-	-	\$527,492
Future Water Bond	-	-	-	\$283,235	\$290,062	\$295,600	\$302,458	\$1,171,355
Total:	\$262,492	\$265,000	-	\$283,235	\$290,062	\$295,600	\$302,458	\$1,698,847

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$12,492	\$15,000	-	\$16,032	\$16,419	\$16,732	\$17,120	\$93,795
Land Acquisition	\$250,000	\$250,000	-	\$267,203	\$273,643	\$278,868	\$285,338	\$1,605,052
Total	\$262,492	\$265,000	-	\$283,235	\$290,062	\$295,600	\$302,458	\$1,698,847

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0024 - Brown Road Water Treatment Plant Miscellaneous Improvements

Project Description

Replace the aging finished water filter underdrain system at the Brown Road Water Treatment Plant.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$5,270,828	\$2,337,986	\$2,292,639	-	-	-	-	\$9,901,453
Total:	\$5,270,828	\$2,337,986	\$2,292,639	-	-	-	-	\$9,901,453

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$253,918	\$132,339	\$129,772	-	-	-	-	\$516,029
Construction	\$4,373,565	\$2,000,000	\$1,935,050	-	-	-	-	\$8,308,615
Design	\$603,105	\$185,647	\$208,466	-	-	-	-	\$997,218
Direct Expenses	\$40,240	\$20,000	\$19,351	-	-	-	-	\$79,591
Total	\$5,270,828	\$2,337,986	\$2,292,639	-	-	-	-	\$9,901,453

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0634 - Brown Road Water Treatment Plant Major Improvements

Project Description

Rehab and/or 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 1 liner, and the electric SES Service.



LEGEND
PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	\$302,116	\$3,434,323	\$3,499,897	\$8,847,469	\$16,083,805
Total:	-	-	-	\$302,116	\$3,434,323	\$3,499,897	\$8,847,469	\$16,083,805

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$17,101	\$194,396	\$198,107	\$500,800	\$910,404
Construction	-	-	-	-	\$2,918,853	\$2,974,586	\$7,793,719	\$13,687,158
Design	-	-	-	\$285,015	\$291,885	\$297,458	\$475,012	\$1,349,370
Direct Expenses	-	-	-	-	\$29,189	\$29,746	\$77,938	\$136,873
Total	-	-	-	\$302,116	\$3,434,323	\$3,499,897	\$8,847,469	\$16,083,805

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0635 - Brown Road Water Treatment Plant Miscellaneous Improvements

Project Description

Rehab and/or replmnt of miscellns eqpmnt & materials at the BRWTP. Work includes some of the following: bulk chemical tnks, pmp & piping, sledge pmps & vives, chlorine & chemical feed systms, various eqpmnt, & the install algae cntrl & scum remvl systems.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	\$27,190	\$2,393,873	\$984,347	\$3,103,056	\$6,508,466
Total:	-	-	-	\$27,190	\$2,393,873	\$984,347	\$3,103,056	\$6,508,466

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$1,539	\$135,502	\$55,718	\$175,644	\$368,403
Construction	-	-	-	-	\$2,216,504	\$836,603	\$2,637,308	\$5,690,415
Design	-	-	-	\$25,651	\$19,702	\$83,660	\$263,731	\$392,744
Direct Expenses	-	-	-	-	\$22,165	\$8,366	\$26,373	\$56,904
Total	-	-	-	\$27,190	\$2,393,873	\$984,347	\$3,103,056	\$6,508,466

Operations & Maintenance Expenditures

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Fund Totals
Future Water Bond	-	-	-	-	-	\$62,148	\$269,478	\$331,626
Total:	-	-	-	-	-	\$62,148	\$269,478	\$331,626

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

C10414 - Center Street Waterline Replacement

Project Description

Install water mains. Includes related appurtenances such as valves, hydrants and service lines. Area was identified as unable to meet fire flow requirements due to small line sizes and lack of fire hydrants as waterlines are in the alleys.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$188,139	-	-	-	-	-	\$188,139
2014 Wastewater Bond	\$13,231	\$142,447	-	-	-	-	-	\$155,678
2014 Water Bond	\$61,418	\$62,540	-	-	-	-	-	\$123,958
Total:	\$74,649	\$393,126	-	-	-	-	-	\$467,775

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$3,791	\$35,736	-	-	-	-	-	\$39,527
Construction	-	\$261,954	-	-	-	-	-	\$261,954
Design	\$70,858	\$85,585	-	-	-	-	-	\$156,443
Direct Expenses	-	\$9,851	-	-	-	-	-	\$9,851
Total	\$74,649	\$393,126	-	-	-	-	-	\$467,775

Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

C10474 - City Well 7 Re-drill

Project Description

Re-drill the well in a new location. City Well 7 was drilled in 1953 and is at the end of its useful service life.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$39,584	-	-	-	-	-	-	\$39,584
2014 Water Bond	\$1,024,466	\$1,223,696	-	-	-	-	-	\$2,248,162
Total:	\$1,064,050	\$1,223,696	-	-	-	-	-	\$2,287,746

LEGEND

PROJECT LOCATION



Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$50,727	\$69,266	-	-	-	-	-	\$119,993
Construction	\$950,477	\$1,143,000	-	-	-	-	-	\$2,093,477
Design	\$62,846	-	-	-	-	-	-	\$62,846
Direct Expenses	-	\$11,430	-	-	-	-	-	\$11,430
Total	\$1,064,050	\$1,223,696	-	-	-	-	-	\$2,287,746

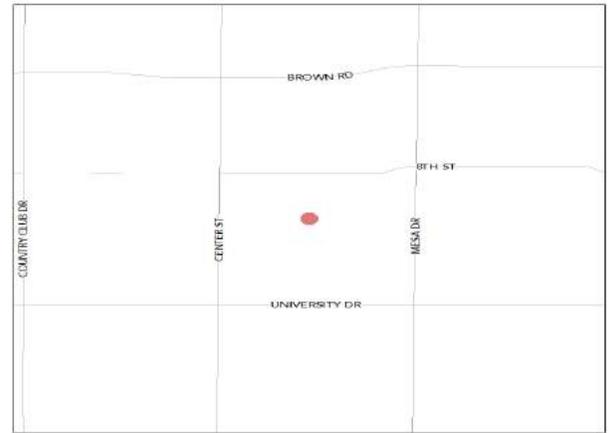
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0031 - City Well 8 Re-drill

Project Description

Re-drill the well next to its current location. City Well 8 was drilled in 1953 and is at the end of its useful service life.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$36,882	-	-	-	-	-	-	\$36,882
2014 Water Bond	\$1,175,081	\$1,223,696	-	-	-	-	-	\$2,398,777
Total:	\$1,211,963	\$1,223,696	-	-	-	-	-	\$2,435,659

LEGEND
PROJECT LOCATION



Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$57,991	\$69,266	-	-	-	-	-	\$127,257
Construction	\$1,096,247	\$1,143,000	-	-	-	-	-	\$2,239,247
Design	\$57,725	-	-	-	-	-	-	\$57,725
Direct Expenses	-	\$11,430	-	-	-	-	-	\$11,430
Total	\$1,211,963	\$1,223,696	-	-	-	-	-	\$2,435,659

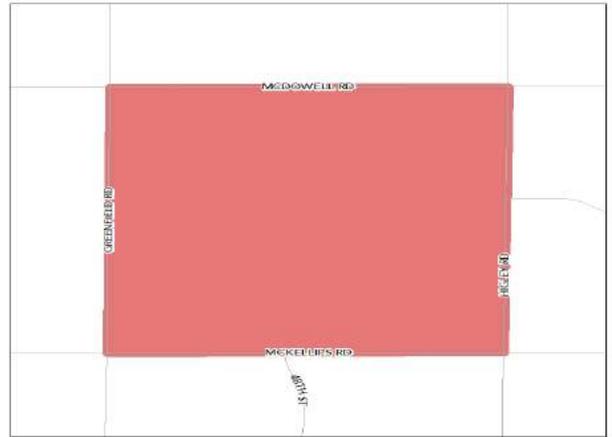
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0505 - Falcon Field Airport Improvements

Project Description

Coordinate replacement of aging water mains with street reconstruction at the Falcon Field Airport. Install water mains, and abandon in place aging ACP water mains.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Wastewater Bond	\$115,560	-	-	-	-	-	-	\$115,560
2014 Water Bond	\$265,125	\$396,122	-	-	-	-	-	\$661,247
Total:	\$380,685	\$396,122	-	-	-	-	-	\$776,807

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$20,185	\$22,422	-	-	-	-	-	\$42,607
Construction	\$350,000	\$370,000	-	-	-	-	-	\$720,000
Direct Expenses	\$10,500	\$3,700	-	-	-	-	-	\$14,200
Total	\$380,685	\$396,122	-	-	-	-	-	\$776,807

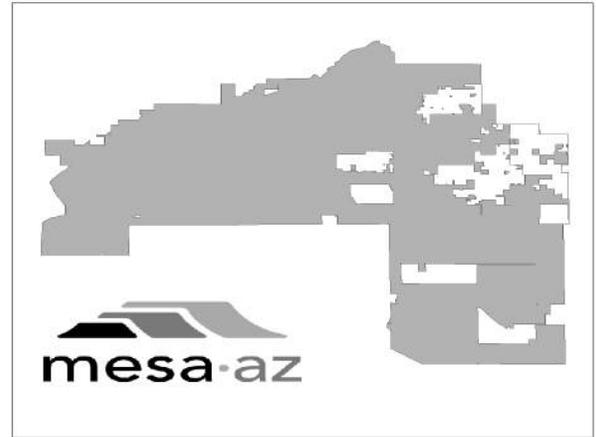
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$10,500	\$10,800	\$11,257	-	-	-	-	\$32,557
Future Water Bond	-	-	-	-	-	\$12,047	\$37,978	\$50,025
Total:	\$10,500	\$10,800	\$11,257	-	-	\$12,047	\$37,978	\$82,582

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$500	\$800	\$834	-	-	\$892	\$2,813	\$5,839
Purchases	\$10,000	\$10,000	\$10,423	-	-	\$11,155	\$35,165	\$76,743
Total	\$10,500	\$10,800	\$11,257	-	-	\$12,047	\$37,978	\$82,582

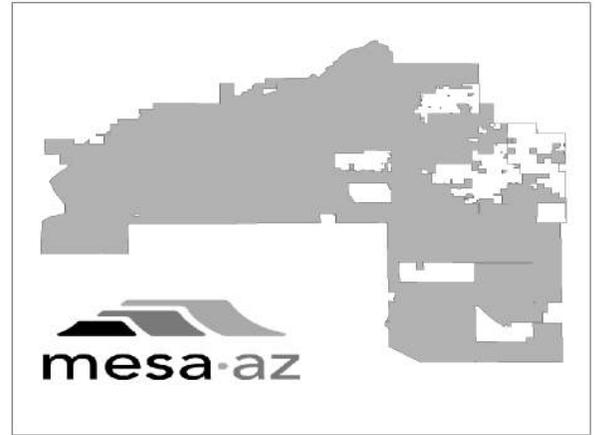
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$437,400	\$455,915	\$498,664	-	-	-	\$1,391,979
Future Water Bond	-	-	-	-	\$510,682	\$520,434	\$1,500,230	\$2,531,346
Total:	-	\$437,400	\$455,915	\$498,664	\$510,682	\$520,434	\$1,500,230	\$3,923,325

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$32,400	\$33,771	\$36,938	\$37,828	\$38,551	\$111,128	\$290,616
Construction	-	\$375,000	\$390,874	\$427,524	\$437,828	\$446,188	\$1,286,206	\$3,363,620
Direct Expenses	-	\$30,000	\$31,270	\$34,202	\$35,026	\$35,695	\$102,896	\$269,089
Total	-	\$437,400	\$455,915	\$498,664	\$510,682	\$520,434	\$1,500,230	\$3,923,325

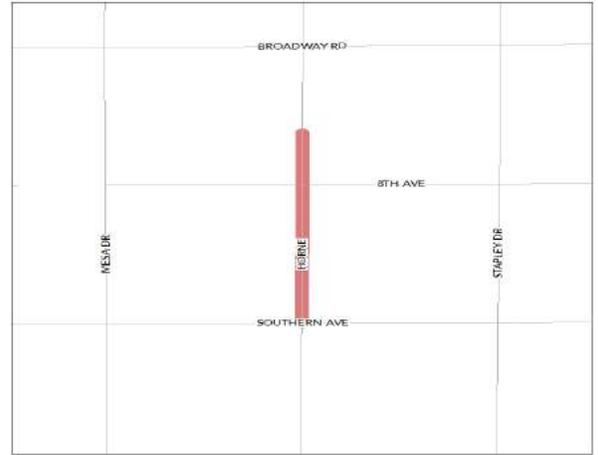
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0366 - Horne Water Line Replacement; Marilyn Avenue to Southern Avenue

Project Description

Install new water mains, and abandon in place aging ACP water main. New water mains will extend along Horne Road between Marilyn Ave to Southern Ave. Includes related appurtenances such as valves, hydrants and service lines.



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$475,646	-	-	-	-	-	\$475,646
2014 Water Bond	\$575	\$910,010	-	-	-	-	-	\$910,585
Total:	\$575	\$1,385,656	-	-	-	-	-	\$1,386,231

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$21	\$106,182	-	-	-	-	-	\$106,203
Construction	-	\$1,157,624	-	-	-	-	-	\$1,157,624
Design	\$554	\$112,929	-	-	-	-	-	\$113,483
Direct Expenses	-	\$8,921	-	-	-	-	-	\$8,921
Total	\$575	\$1,385,656	-	-	-	-	-	\$1,386,231

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

C10391 - Pressure Reducing Valve Station Replacements - Citywide

Project Description

Replace and improve aging Pressure Reducing Valve (PRV) stations to allow for better operation, maintenance, and reliability. The water system has 25 free standing PRVs which serve a variety of purposes.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$438,421	-	-	-	-	-	-	\$438,421
2014 Water Bond	\$358,639	\$632,149	-	-	-	-	-	\$990,788
Total:	\$797,060	\$632,149	-	-	-	-	-	\$1,429,209

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$41,133	\$35,782	-	-	-	-	-	\$76,915
Construction	\$707,777	\$596,367	-	-	-	-	-	\$1,304,144
Design	\$43,080	-	-	-	-	-	-	\$43,080
Direct Expenses	\$5,070	-	-	-	-	-	-	\$5,070
Total	\$797,060	\$632,149	-	-	-	-	-	\$1,429,209

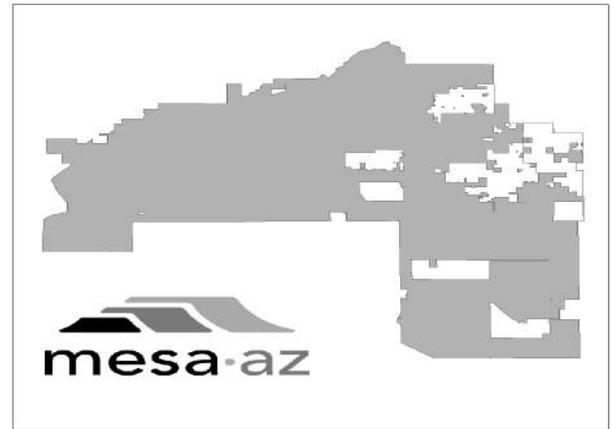
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0640 - PUMP STATION REHABILITATION

Project Description

Rehab and/or 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$1,039,031	\$278,980	\$283,369	-	-	-	\$1,601,380
Future Water Bond	-	-	-	\$22,669	\$313,413	\$319,398	\$1,131,108	\$1,786,588
Total:	-	\$1,039,031	\$278,980	\$306,038	\$313,413	\$319,398	\$1,131,108	\$3,387,968

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	\$58,513	\$15,791	\$14,573	\$14,924	\$15,209	\$53,862	\$172,872
Construction	-	\$931,374	\$260,583	\$288,579	\$295,534	\$301,177	\$1,066,580	\$3,143,827
Direct Expenses	-	\$17,344	\$2,606	\$2,886	\$2,955	\$3,012	\$10,666	\$39,469
Purchases	-	\$31,800	-	-	-	-	-	\$31,800
Total	-	\$1,039,031	\$278,980	\$306,038	\$313,413	\$319,398	\$1,131,108	\$3,387,968

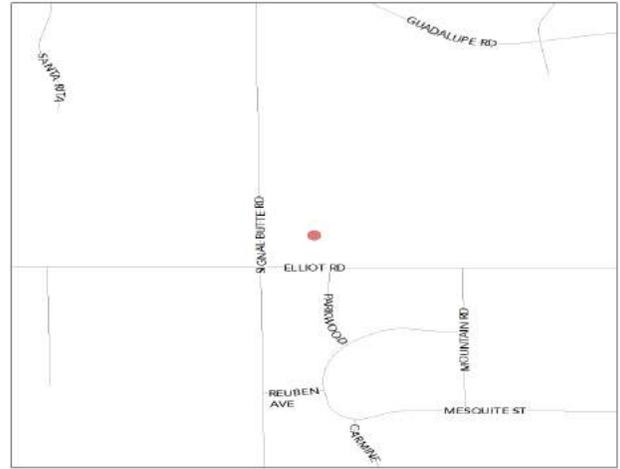
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0360 - Radio Communication Upgrade at Remote Water Facilities

Project Description

Replace aging radio communication facilities at Remote Water Facilities. Pumps, motors, and VFD's found to be failing or performing at substandard levels of efficiency must be repaired or replaced.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Gas Bond	-	\$550,946	-	-	-	-	-	\$550,946
2014 Water Bond	\$78,750	\$207,482	\$216,265	\$52,293	-	-	-	\$554,790
Total:	\$78,750	\$758,428	\$216,265	\$52,293	-	-	-	\$1,105,736

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	\$3,750	\$75,127	\$12,241	\$2,960	-	-	-	\$94,078
Construction	-	\$645,840	\$202,004	\$48,845	-	-	-	\$896,689
Design	\$75,000	\$35,036	-	-	-	-	-	\$110,036
Direct Expenses	-	\$2,425	\$2,020	\$488	-	-	-	\$4,933
Total	\$78,750	\$758,428	\$216,265	\$52,293	-	-	-	\$1,105,736

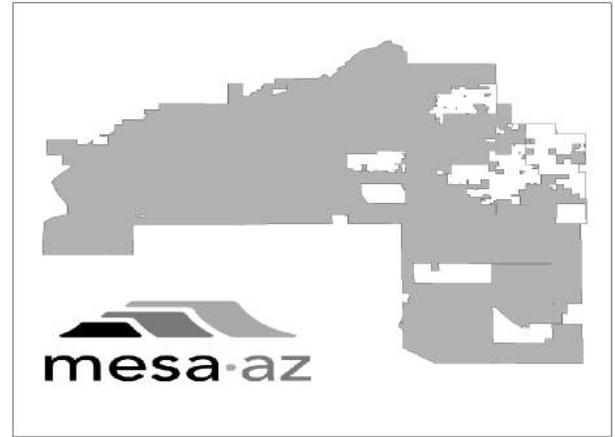
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0641 - RESERVOIR REHABILITATION

Project Description

Replace failing equipment at 19 reservoirs in the water system. Equipment planned for replacement include cathodic protection equipment, EPDM liners, interior & exterior coatings & mixer equipment.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	\$22,445	\$22,986	\$255,884	\$3,176,471	\$3,477,786
Total:	-	-	-	\$22,445	\$22,986	\$255,884	\$3,176,471	\$3,477,786

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP								
Administration	-	-	-	\$1,069	\$1,095	\$14,274	\$172,850	\$189,288
Construction	-	-	-	\$21,376	\$21,891	\$22,309	\$2,916,584	\$2,982,160
Design	-	-	-	-	-	\$219,301	\$58,574	\$277,875
Direct Expenses	-	-	-	-	-	-	\$28,463	\$28,463
Total	-	-	-	\$22,445	\$22,986	\$255,884	\$3,176,471	\$3,477,786

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0642 - RE-DRILL GROUNDWATER WELLS

Project Description

Re-drill wells and replace old equipment at wells identified in the Water Master Plan to meet water demand. Work will include re-drilling the well and installing new equipment - new electric service, electrical & instrument components, pump & motor.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	-	\$92,809	\$110,687	-	-	-	\$203,496
Future Water Bond	-	-	-	\$3,182,695	\$5,710,778	\$1,554,440	\$14,350,953	\$24,798,866
Total:	-	-	\$92,809	\$3,293,382	\$5,710,778	\$1,554,440	\$14,350,953	\$25,002,362

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	\$5,253	\$186,418	\$323,252	\$87,787	\$702,233	\$1,304,943
Construction	-	-	-	\$2,636,947	\$5,187,813	\$1,431,148	\$12,392,997	\$21,648,905
Design	-	-	\$87,556	\$400,275	\$130,770	\$21,194	\$800,160	\$1,439,955
Direct Expenses	-	-	-	\$69,742	\$68,943	\$14,311	\$170,225	\$323,221
Land Acquisition	-	-	-	-	-	-	\$285,338	\$285,338
Total	-	-	\$92,809	\$3,293,382	\$5,710,778	\$1,554,440	\$14,350,953	\$25,002,362

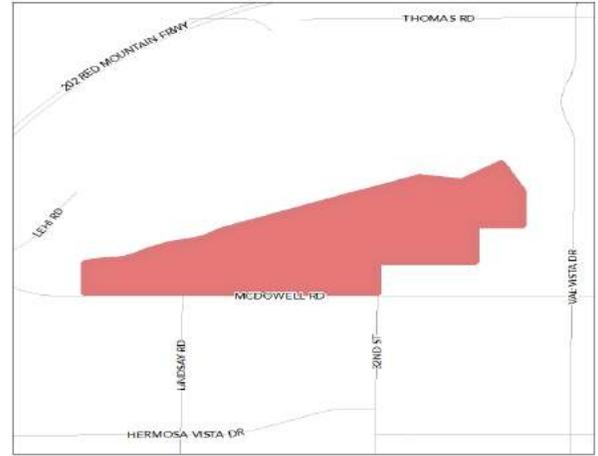
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0647 - Val Vista Water Treatment Plant Major Improvements (Mesa's Assets)

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.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Future Water Bond	-	-	-	\$226,588	\$2,343,693	-	-	\$2,570,281
Total:	-	-	-	\$226,588	\$2,343,693	-	-	\$2,570,281

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	-	-	\$12,826	\$132,662	-	-	\$145,488
Construction	-	-	-	-	\$2,189,140	-	-	\$2,189,140
Design	-	-	-	\$213,762	-	-	-	\$213,762
Direct Expenses	-	-	-	-	\$21,891	-	-	\$21,891
Total	-	-	-	\$226,588	\$2,343,693	-	-	\$2,570,281

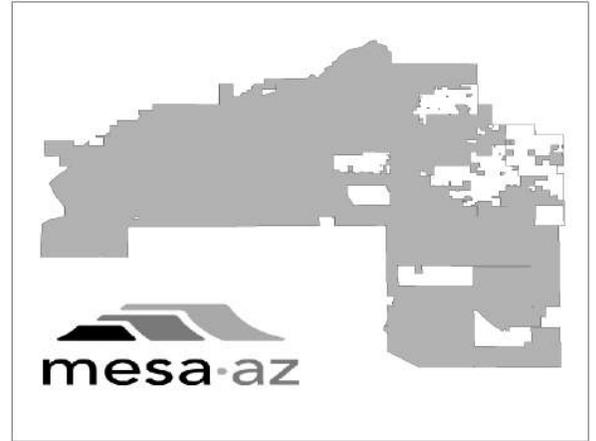
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0495 - WATER LINE INSPECTION AND REPAIRS

Project Description

Inspect and repair existing large diameter water transmission mains.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$170,067	-	-	-	-	-	-	\$170,067
2014 Water Bond	-	\$1,188,260	\$1,238,559	\$697,890	-	-	-	\$3,124,709
Future Water Bond	-	-	-	-	\$1,300,634	\$728,357	\$2,296,074	\$4,325,065
Total:	\$170,067	\$1,188,260	\$1,238,559	\$697,890	\$1,300,634	\$728,357	\$2,296,074	\$7,619,841

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$9,440	\$67,260	\$70,107	\$39,503	\$73,621	\$41,228	\$129,966	\$431,125
Construction	-	\$1,000,000	\$1,042,330	\$534,405	\$1,094,570	\$557,735	\$1,758,205	\$5,987,245
Design	\$50,000	-	-	-	-	-	-	\$50,000
Direct Expenses	-	\$10,000	\$10,423	\$5,344	\$10,946	\$5,577	\$17,582	\$59,872
Purchases	\$110,627	\$111,000	\$115,699	\$118,638	\$121,497	\$123,817	\$390,321	\$1,091,599
Total	\$170,067	\$1,188,260	\$1,238,559	\$697,890	\$1,300,634	\$728,357	\$2,296,074	\$7,619,841

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CN0029 - WATER METERS

Project Description

Fund the annual purchase of 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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Utility Replacement Extension and Renewal	-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775
Total:	-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
Purchases	-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775
Total	-	\$750,000	\$802,594	\$844,360	\$886,602	\$925,840	\$3,012,379	\$7,221,775

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$1,010,880	\$1,053,672	\$1,080,439	-	-	-	\$3,144,991
Future Water Bond	-	-	-	-	\$1,106,480	\$1,127,607	\$3,554,669	\$5,788,756
Total:	-	\$1,010,880	\$1,053,672	\$1,080,439	\$1,106,480	\$1,127,607	\$3,554,669	\$8,933,747

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$74,880	\$78,050	\$80,032	\$81,961	\$83,526	\$263,308	\$661,757
Construction	-	\$450,000	\$469,049	\$480,965	\$492,557	\$501,962	\$1,582,385	\$3,976,918
Design	-	\$200,000	\$208,466	\$213,762	\$218,914	\$223,094	\$703,282	\$1,767,518
Direct Expenses	-	\$36,000	\$37,524	\$38,477	\$39,405	\$40,157	\$126,591	\$318,154
Purchases	-	\$250,000	\$260,583	\$267,203	\$273,643	\$278,868	\$879,103	\$2,209,400
Total	-	\$1,010,880	\$1,053,672	\$1,080,439	\$1,106,480	\$1,127,607	\$3,554,669	\$8,933,747

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

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

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$233,280	\$243,154	\$249,332	-	-	-	\$725,766
Future Water Bond	-	-	-	-	\$255,341	\$260,217	\$820,309	\$1,335,867
Total:	-	\$233,280	\$243,154	\$249,332	\$255,341	\$260,217	\$820,309	\$2,061,633

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$17,280	\$18,011	\$18,469	\$18,914	\$19,275	\$60,764	\$152,713
Construction	-	\$200,000	\$208,466	\$213,762	\$218,914	\$223,094	\$703,282	\$1,767,518
Direct Expenses	-	\$16,000	\$16,677	\$17,101	\$17,513	\$17,848	\$56,263	\$141,402
Total	-	\$233,280	\$243,154	\$249,332	\$255,341	\$260,217	\$820,309	\$2,061,633

**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0464 - Water Aging Main Rehabilitation and Repair

Project Description

Replace aging infrastructure to avoid service disruption.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	\$30,214	\$10,010,451	\$5,959,668	\$5,753,405	-	-	-	\$21,753,738
Future Water Bond	-	-	-	\$534,405	\$6,439,356	\$6,696,284	\$27,924,905	\$41,594,950
Total:	\$30,214	\$10,010,451	\$5,959,668	\$6,287,810	\$6,439,356	\$6,696,284	\$27,924,905	\$63,348,688

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$1,548	\$566,629	\$337,340	\$355,914	\$364,492	\$377,831	\$1,568,216	\$3,571,970
Construction	\$22,086	\$9,195,822	\$4,798,366	\$5,344,050	\$5,472,850	\$5,577,350	\$24,825,243	\$55,235,767
Design	\$6,580	\$248,000	\$775,494	\$534,405	\$547,285	\$685,329	\$1,283,193	\$4,080,286
Direct Expenses	-	-	\$48,468	\$53,441	\$54,729	\$55,774	\$248,253	\$460,665
Total	\$30,214	\$10,010,451	\$5,959,668	\$6,287,810	\$6,439,356	\$6,696,284	\$27,924,905	\$63,348,688

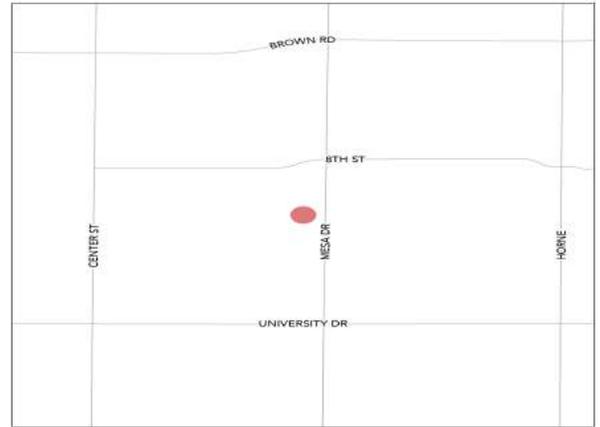
Utilities Major Program Detail Fiscal Years 2017 - 2021

Water Lifecycle

CP0336 - Water System Compliance Lab Replacement

Project Description

Replace lab equipment that is used for regulatory compliance.



LEGEND

PROJECT LOCATION



Project Expenditures by Fund

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2010 Water Bond	\$4,838	-	-	-	-	-	-	\$4,838
Future Wastewater Bond	-	-	-	-	-	\$366,255	\$51,386	\$417,641
Future Water Bond	-	-	-	-	-	\$183,154	\$203,731	\$386,885
Total:	\$4,838	-	-	-	-	\$549,409	\$255,117	\$809,364

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	\$153	-	-	-	-	\$35,852	\$13,507	\$49,512
Direct Expenses	-	-	-	-	-	\$25,120	\$3,524	\$28,644
Purchases	\$4,685	-	-	-	-	\$488,437	\$238,086	\$731,208
Total	\$4,838	-	-	-	-	\$549,409	\$255,117	\$809,364

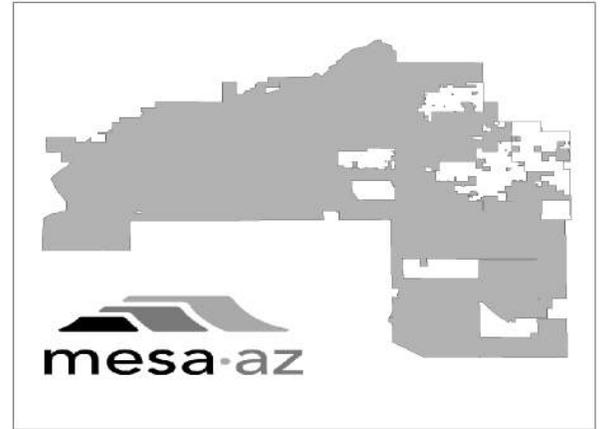
**Utilities Major Program Detail
Fiscal Years 2017 - 2021**

Water Lifecycle

CP0651 - Water Valve Replacement

Project Description

Replace water valves that have reached the end of their support lifecycle. This work will prevent service disruptions.



Project Expenditures by Fund

City Wide

Fund	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
2014 Water Bond	-	\$408,240	\$425,521	\$436,332	-	-	-	\$1,270,093
Future Water Bond	-	-	-	-	\$446,848	\$455,380	\$1,435,539	\$2,337,767
Total:	-	\$408,240	\$425,521	\$436,332	\$446,848	\$455,380	\$1,435,539	\$3,607,860

Project Expenditures by Phase

Phase	Estimated Exp Thru FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Future Years	Totals
CIP Administration	-	\$30,240	\$31,520	\$32,321	\$33,100	\$33,732	\$106,336	\$267,249
Construction	-	\$350,000	\$364,816	\$374,084	\$383,100	\$390,415	\$1,230,744	\$3,093,159
Direct Expenses	-	\$28,000	\$29,185	\$29,927	\$30,648	\$31,233	\$98,459	\$247,452
Total	-	\$408,240	\$425,521	\$436,332	\$446,848	\$455,380	\$1,435,539	\$3,607,860



City of Mesa

Five-Year Capital Improvement Program
FY 2017 - 2021

UTILITIES PROJECTS

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

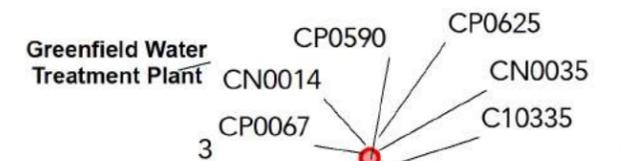
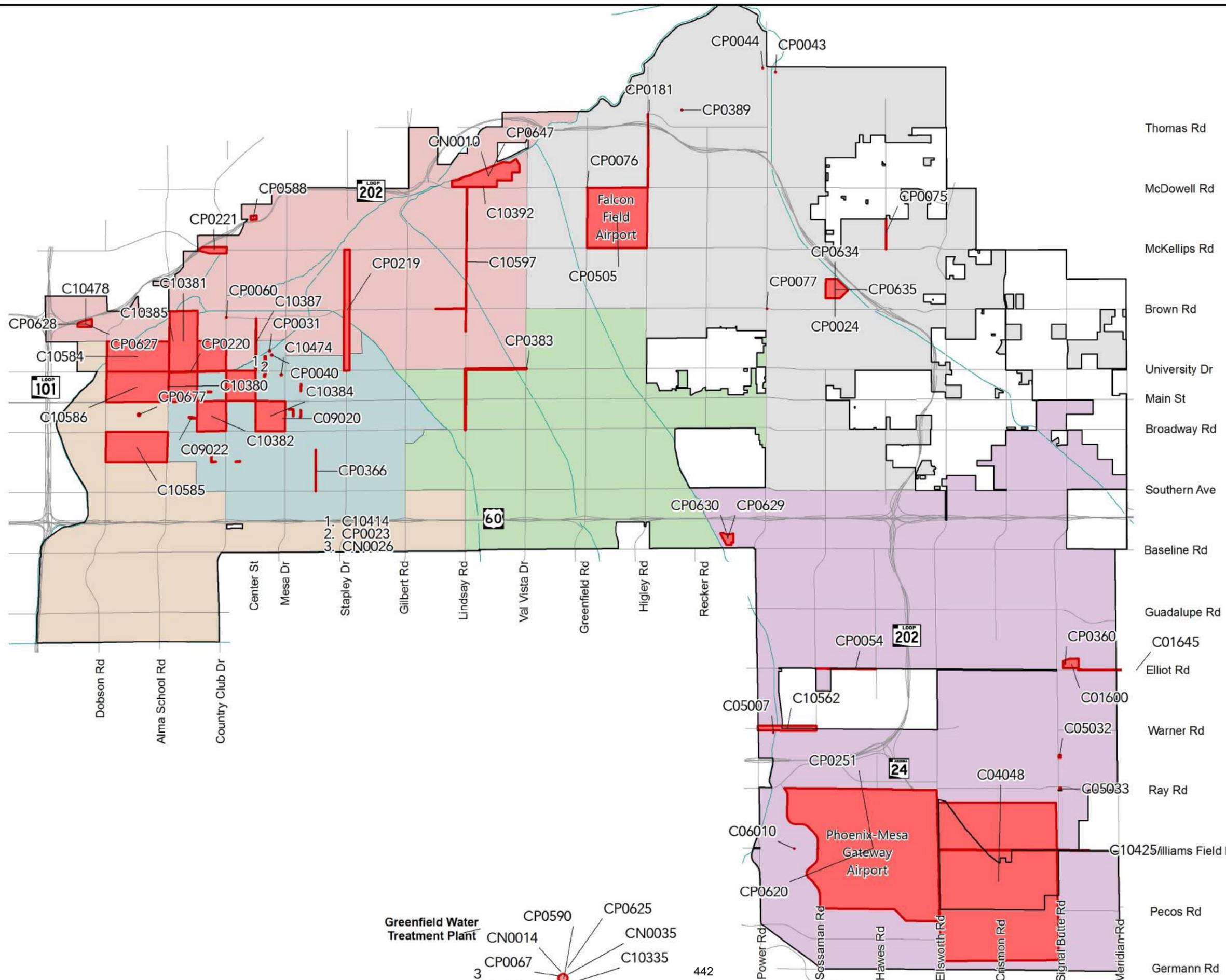
Citywide, External or Location TBD Projects

C01886	CP0349	CP0619	CP0645
C09023	CP0386	CP0618	CP0652
C09024	C09019	CP0475	CP0648
C10388	CP0193	CP0598	C10391
CP0071	C09021	CP0599	CP0640
CP0080	C01454	CP0600	CP0642
CP0081	CP0153	CP0616	CP0636
CP0082	C04046	CP0622	CP0651
CP0151	CP0033	CP0623	CP0641
CP0154	CP0152	CN0028	CP0495
CP0155	CN0027	CP0646	CN0029
CP0156	CP0624	CP0365	CP0468
CP0320	CP0617	CP0639	CP0650



MAP CREATION DATE: 6/23/2016
MAP CREATED BY: Engineering-GIS

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RESOLUTION NO. 10806

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

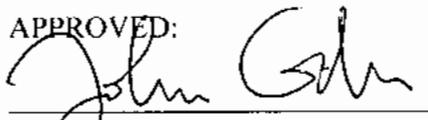
WHEREAS, the public hearing was held at the City Council Chambers in the City of Mesa on Monday, May 16, 2016 at 5:45 p.m., at which meeting all interested persons were invited to appear and be heard in favor of or against adoption of said Capital Program;

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.

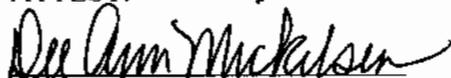
PASSED AND ADOPTED by the Mayor and City Council of the City of Mesa, Maricopa County, Arizona, this 16th day of May, 2016.

APPROVED:



Mayor

ATTEST:



City Clerk



City of Mesa
Summary of Final Five-Year Capital Improvement Program

Capital Appropriations	Proposed	Proposed	Proposed	Proposed	Proposed	
Restricted Funds	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Cemetery Reserve Fund	953,000	-	-	17,887	356,981	1,327,868
Environmental Compliance Fund	3,129,750	2,347,588	1,130,387	-	-	6,607,725
Falcon Field Fund	543,605	802,137	816,714	954,535	768,556	3,885,547
Greenfield WRP Joint Venture Fund ⁽¹⁾	13,668,860	57,907,563	93,537,700	46,679,787	3,816,189	215,610,099
Local Streets Sales Tax	9,512,788	6,991,554	3,854,405	2,707,469	2,890,047	25,956,263
Restricted Programs Fund	23,667	-	-	-	-	23,667
TOPAZ Joint Venture Fund ⁽¹⁾	1,633,828	2,380,503	1,831,757	474,855	-	6,320,943
Transit Fund	11,969,822	12,136,983	-	-	-	24,106,805
Transportation Fund	-	-	1,945,834	6,161,994	-	8,107,828
Utility Replacement Extension and Renewal	3,121,981	3,270,546	3,865,041	3,975,231	4,152,849	18,385,648
Subtotal Restricted Funds	44,557,301	85,836,874	106,981,838	60,971,758	11,984,622	310,332,393

Unrestricted Funds	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Enterprise Operating Fund	338,238	225,143	577,157	-	-	1,140,538
Enterprise Fund - Capital	381,226	287,918	295,232	302,348	308,124	1,574,848
General Fund - Capital	4,523,926	3,344,734	3,725,933	5,619,190	2,659,002	19,872,785
Subtotal Unrestricted Funds	5,243,390	3,857,795	4,598,322	5,921,538	2,967,126	22,588,171

Grant Funds	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Grants - Enterprise	2,788,178	2,739,362	4,209,899	5,444,855	685,927	15,868,221
Grants - General Gov.	750,000	3,161,402	-	1,773,203	460,270	6,144,875
Subtotal Grant Funds	3,538,178	5,900,764	4,209,899	7,218,058	1,146,197	22,013,096

Bond Funds - Authorized	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Electric Bond Construction	11,706,885	6,003,112	-	-	-	17,709,997
Gas Bond Construction	24,524,058	15,432,833	1,778,501	36,279	-	41,771,671
Water Bond Construction	146,512,623	78,902,259	19,819,260	-	-	245,234,142
Wastewater Bond Construction	28,517,037	55,332,181	75,933,685	33,451,909	1,913,443	195,148,255
Parks Bond Construction	14,171,255	1,252,996	-	-	-	15,424,251
Public Safety Bond Construction	9,436,635	-	-	-	-	9,436,635
Solid Waste Bond Construction	-	2,814,291	-	-	-	2,814,291
Streets Bond Construction	23,712,638	12,650,714	2,732,797	-	-	39,096,149
Subtotal Bond Funds - Authorized	258,581,131	172,388,386	100,264,243	33,488,188	1,913,443	566,635,391

Bond Funds - Future Authorization	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Electric Bond Construction	-	-	4,901,988	4,649,908	4,839,609	14,391,505
Gas Bond Construction	-	-	12,298,479	21,628,777	23,136,509	57,063,765
Water Bond Construction	-	-	9,672,592	40,640,139	43,275,537	93,588,268
Wastewater Bond Construction	-	-	8,338,550	21,162,318	26,887,105	56,387,973
Parks Bond Construction	-	-	497,141	504,898	30,031,546	31,033,585
Public Safety Bond Construction	-	-	22,801,747	66,441,198	42,186,921	131,429,866
Streets Bond Construction	-	-	14,957,271	25,715,312	58,940,373	99,612,956
Subtotal Bond Funds - Future Authorization	-	-	73,467,768	180,742,550	229,297,600	483,507,918

Funding to be Determined	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
Funding to be Determined	-	1,591,403	5,340,702	3,370,107	5,695,187	15,997,399

Total Capital Improvement Program	311,920,000	269,575,222	294,862,772	291,712,199	253,004,175	1,421,074,368
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One-Time Start Up and Ongoing Maintenance ⁽²⁾	Proposed	Proposed	Proposed	Proposed	Proposed	
	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	Total
General Fund	938,591	1,561,659	2,230,938	3,944,740	4,354,289	13,030,217
General Fund - Capital	104,051	-	-	-	-	104,051
Cemetery Fund	-	11,466	11,756	12,041	12,269	47,532
Local Streets Sales Tax	252,325	447,377	601,954	635,544	801,766	2,738,966
Environmental Compliance Fund	10,000	504,674	605,114	488,346	497,672	2,105,806
Enterprise Fund	56,150	1,463,735	3,010,814	4,224,389	4,479,761	13,234,849
Enterprise Fund - Capital	-	3,373,155	61,135	-	-	3,434,290
Transit Fund	-	-	2,554,456	4,012,694	4,089,313	10,656,463
Greenfield WRP Joint Venture	9,575	136,225	360,524	3,098,932	3,149,222	6,754,478
Total One-Time Start Up and Ongoing Maintenance	1,370,692	7,498,291	9,436,691	16,416,686	17,384,292	52,106,652

⁽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.



mesa·az

Office of Management & Budget

PO Box 1466

Mesa, Arizona 85211-1466

480-644-5799 | www.mesaaz.gov