

**City of Glendale**  
**Capital Improvement Plan (CIP)**  
**FY 2018-2027**  
**(DRAFT)**



*Sahuaro Ranch Park Improvements*

**City Council Workshop**  
**March 21, 2017**



**City of Glendale  
Capital Improvement Plan FY2018-2027**

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## What are Capital Improvements?

The Capital Improvement Plan (CIP) is a ten-year roadmap for creating, maintaining and paying for Glendale's present and future infrastructure needs. The CIP outlines project costs, funding sources and estimated future operating costs associated with each capital improvement. The plan is designed to ensure that capital improvements will be made when and where they are needed, and that the city will have the funds to pay for and maintain them.

Capital improvement projects are non-routine capital expenditures that generally cost more than \$50,000 and result in the purchase of equipment, acquisition of land, design and construction of new assets, or the renovation, rehabilitation or expansion of existing capital assets. Capital projects usually have an expected useful life of at least five years.

Capital improvements make up the bricks and mortar, or infrastructure that all cities must have in place to provide essential and quality of life services to current and future residents, businesses and visitors. They also are designed to prevent the deterioration of the city's existing infrastructure, and respond to and anticipate the future growth of the city. A wide range of projects comprise capital improvements as illustrated by the examples below:

- fire and police stations;
- libraries, court facilities and office buildings;
- parks, trails, open space, pools, recreation centers and other related facilities;
- water and wastewater treatment plants, transmission pipes, storage facilities, odor control facilities and pump stations;
- roads, bridges, traffic signals and other traffic control devices including fiber optic infrastructure needed for the operation of intelligent transportation systems;
- landscape beautification projects;
- computer software and hardware systems other than personal computers and printers;
- flood control drainage channels, storm drains and retention basins;
- and major equipment purchases such as landfill compactors, street sweepers and sanitation trucks.

Glendale, like many cities in the Phoenix metropolitan area, faces a special set of complex problems because much of the city is built out except for scattered areas requiring infill development and the far western edge of the city, which is not built out. These cities need to build new roads, add public amenities such as parks and expand public safety services to accommodate new residential and non-residential development. They also must simultaneously maintain, replace, rehabilitate and/or upgrade existing capital assets such as roads, parks, buildings and underground pipes for the water and sewer system.

## Paying for Capital Improvements

In many respects, the city planning process for selecting, scheduling and financing capital improvements parallels the way an individual might plan for buying a new house or car. This process entails an assessment of many valid competing needs, a determination of priorities, an evaluation of operating costs as well as financing options for the capital costs, and an establishment of realistic completion timeframes. The analysis process involves many familiar questions.

- Can I wait another year or two?
- Are there other alternatives such as remodeling, using public transit or carpooling?
- What other purchases will I need to forego?
- What can I afford and how can I pay for it?
- Do I need outside financing and what will it cost?
- Will there be additional monthly costs associated with the purchase?

If the purchase plan moves forward, a decision must be made about the down payment. A good planner might have started a replacement fund a few years ago in anticipation of the need. Other cash sources might include a savings account or a rainy day emergency fund. The city, just like most families, needs to find longer-term financing to cover certain costs for capital improvements. Repayment of the loan might require cutting other expenses like eating at restaurants or increasing income by taking a second part-time job. An unanticipated inheritance may speed up the timetable; a negative event, such as a flood or unanticipated medical expense, might delay the plan.

Similarly, most large capital improvements cannot be financed solely from a single year's revenue stream or by simply increasing income or decreasing expenses.

## Guidelines and Policies Used in Developing the CIP

City Council's strategic goals and financial policies provide the broad parameters for development of the annual capital plan. For example, Council's financial policies on Capital Asset and Debt Management state that the 10-year capital plan will address capital needs in the following order:

- A. Improve existing assets
- B. Replace existing assets
- C. Construct new assets

These financial policies further state that projected life cycle costing will be evaluated for projects considered for funding in the near future. Life cycle costing is a method of calculating the total cost of a physical asset throughout its life. It is concerned with all costs of ownership

and takes into account the costs incurred by an asset from its acquisition to its disposal, including design, installation, operating and maintenance costs.

Additional considerations include the following:

- Does a project qualify as a capital project, i.e., cost more than \$50,000 and have an expected useful life of at least five years?
- Does a project satisfactorily address all federal, state and city legal and financial requirements?
- Does a project support the city's favorable investment ratings and financial integrity?
- Does a project support the city's goal of ensuring all geographic areas of the city have comparable quality in the types of services that are defined in the Public Facilities section of the General Plan?
- Does a project prevent the deterioration of the city's existing infrastructure?
- Does a project respond to and, if possible, anticipate future growth in the city?
- Does a project encourage and sustain quality economic development?
- Can a project be financed through growth in the tax base or development fees, when possible, if constructed in response to residential or commercial development?
- Is a project responsive to the needs of residents and businesses within the constraints of reasonable taxes and fees?
- Does a project leverage funds provided by other units of government (e.g., Maricopa County Flood Control District, Arizona Department of Transportation, etc.) where appropriate?

Master plans also help determine which projects should be included in the CIP and the timeframes in which the projects should be completed. For example, the Parks and Recreation Master Plan's guidelines for neighborhood parks include 3.3 acres of park land per 1,000 residents. When population growth causes an area to exceed this threshold, that neighborhood will rise on the capital plan's priority list for park development. The Water and Sewer Master Plan, Parks Master Plan, Storm Water Master Plan, GO Transportation Plan and five-year plans for landfill and solid waste collection services also provide valuable guidance in the preparation of the CIP.

Economic forecasts also are a critical source of information and guidance throughout the capital planning process. The forecasts assess external factors such as whether the local economy is growing or contracting, population growth, inflation for construction materials, the value of land, and other variables that may affect the city's ability to finance needed services and capital projects.

## **Glendale's Annual CIP Development Process**

In conjunction with the annual budgeting process, the Finance and Technology Department manages the citywide process of revising and updating the city's capital plan. City staff members from all departments participate in an extensive review of projects in the existing

plan and the identification of new projects for inclusion in the CIP. The City Council's commitment to the needs and desires of Glendale's citizens is a critical factor considered during the capital planning process, as well as compliance with legal limits and financial resources.

Once projects are selected for inclusion in the capital plan, decisions must be made about which projects should be recommended for inclusion in the first five years of the plan. Determining how and when to schedule projects is a complicated process. It must take into account City Council's strategic goals as well as all of the variables that affect the city's ability to generate the funds to pay for these projects without jeopardizing its ability to provide routine, ongoing services and one-time or emergency services when needed.

The financial projections used to develop the CIP are based on staff's best prediction of future real estate values, construction costs, interest rates, and other relevant variables. These financial projections are jointly developed by the Finance and Technology Department and Public Works Department in conjunction with the Assistant City Manager. They are updated annually to reflect changes in the economic environment.

Although only the first year of the plan is appropriated, the first five years of the plan are financially balanced. This means the first five years of the plan

- Comply with the state's constitutional debt limits;
- Comply with the available voter authorization required for municipal bonds;
- Balance the use of incoming revenue streams with the use of fund balance, while maintaining a fund balance in compliance with bond covenants and policies regarding debt management and;
- Identify the source of revenue to finance various projects.

Financial and legal constraints make it impossible for the city to fund every project on its priority list. For example, it is not possible for the city to fund concurrently several large-scale projects that have significant operating budget impacts. Also, revenues used to pay the debt service are not limitless. Therefore, implementation timetables are established to stagger projects over time based on Council's strategic goals and the estimated financial resources expected for the future.

A critical element of financing capital projects is the ability to manage within available resources, including the overall debt incurred for past projects and any new debt for future projects. Limited staff resources to undertake new capital projects also must be considered. Capital projects often require significant time to manage effectively, and project managers in the departments typically manage several capital projects concurrently.

The city also must coordinate the timing of many of its capital projects with federal, state, county and municipal governments and outside entities. For example, street improvements are coordinated with utility companies, when possible, to minimize the amount of new street surface that must be cut to lay new or replacement utility and fiber optic lines. Also, flood

control capital improvements are coordinated with the Maricopa County Flood Control District to maximize matching funds that the district makes available for eligible projects.

The availability of unanticipated financing, such as federal or state transportation grants may cause the city to accelerate a particular project. In addition, a scheduled project may be delayed in order to take advantage of an unusual one-time opportunity such as the receipt of non-governmental grant monies.

## **Types of CIP Projects and Funding Sources**

The ten-year CIP is developed with identified funding sources for each CIP project. For example, a street project might be funded through one or more of the following financing sources: Highway User Revenue Fund (HURF) bonds, general obligation (G.O.) bonds, federal or state grants, development impact fees (DIFs), Glendale's dedicated transportation sales tax or Glendale's general fund excise taxes. In many cases, a large or multi-year project will be financed using a mix of these funding sources.

### **General Obligation (G.O.) Bond Funded Projects**

G.O. bonds are direct and general obligations of the city. Glendale uses G.O. bonds to fund most large-scale capital improvements except water, sewer, sanitation, landfill, many transportation-related projects and professional sports-related facilities such as the Gila River Arena, home of the National Hockey League's Arizona Coyotes, and Camelback Ranch, spring training home of the Chicago White Sox and the Los Angeles Dodgers. G.O. bonds are backed by "the full faith and credit" of the city.

Arizona State law mandates the separation of city property taxes into two components, the primary tax levy and the secondary tax levy. A municipality's secondary property tax revenue can be used only to pay the principal, interest and redemption charges on bonded indebtedness or other lawful long-term obligations that are issued or incurred for a specific capital purpose. In contrast, primary property tax revenue may be used for any lawful purpose.

There are two separate categories of G.O. bond funded projects. These categories correspond to the 6% and 20% Arizona State Constitutional limits for G.O. bonded indebtedness. Funds that have been established for the 6% category include the Economic Development, Cultural Facility, Government Facilities and Library Bond Funds. Active funds for the 20% category include the Flood Control, Open Space & Trails, Parks, Public Safety and Street/Parking Bond Funds. Water and sewer bonds are also included in the 20% category. Secondary property tax revenue can be used to pay water/sewer debt, but it is preferable for water/sewer capital debt service to be paid with water and sewer revenue.

### **Development Impact Fee Funded Projects**

Impact fees are one-time charges to developers that are used to offset a city's capital costs resulting from new development. Developers pay Development Impact Fees (DIF) when they construct new residential and commercial developments. These fees are designed to cover a

city's increased costs for providing new or expanded infrastructure in the following categories: roadway improvements, parks, libraries, police, fire, and water/sewer.

Planning and zoning information, such as anticipated population growth and expected density of residential and commercial development, is the foundation for impact fee revenue estimates. Given this information, the city then estimates the amount of impact fee revenue available to pay for growth-related capital projects.

In a growing economic condition, a number of DIF funded projects would more likely be included in the capital plan to supplement the growth related portion of projects funded with other resources such as G.O. bonds. However with the decline in property values, and the imperativeness to pay existing G.O. debt service with secondary property tax revenue, most capital projects requiring a new issuance of G.O. bonds were deferred or moved to the last five years of the plan. DIF revenue alone rarely is sufficient to fund 100% of the cost of growth-related projects. Therefore, given these circumstances, the current capital plan reflects very little spending of impact fees.

### **Enterprise and Other Projects**

Water and Sewer Revenue Funded Projects: Water/Sewer capital projects can be funded with a number of options including, G.O. bonds, revenue bonds, revenue obligations or cash financing. Bonds or obligations are typically used to fund larger water/sewer projects. The principal and interest for bonds and obligations will be paid from future water/sewer user fee revenue. Smaller water/sewer projects are typically cash financed. Three separate funds have been established for water/sewer projects: one fund is for water capital projects, another fund addresses sewer projects and a third fund covers capital projects that represent a mix of water and sewer projects (e.g., water reclamation projects).

Landfill Revenue Funded Projects: Landfill user fee revenues fund environmental improvements required by federal and state law as well as improvements related to constructing, extending, improving and repairing the Glendale Municipal Landfill. Materials Recovery Facility (MRF) projects and landfill equipment also are included in the landfill capital fund. Users of the Glendale Municipal Landfill include private haulers, other cities that are under contract with the city's landfill and the city's residential and commercial solid waste operations.

Solid Waste Revenue Funded Projects: Unlike Water/Sewer and Landfill, the capital plan for Sanitation is not usually funded with revenue bonds. Instead sanitation projects are funded with user revenues and cash balances. However, inter-funds loans and capital leases have been used as a funding option in the past.

Transportation Sales Tax Funded Projects: On November 6, 2001, Glendale held a special election where voters passed a new half-cent sales tax to fund the transportation plan. The transportation plan was created to improve service for all modes of transportation including public transit, motorized vehicle, bicycle, pedestrian and aviation. Of the 13,019 ballots cast for this proposition, 64% were in favor and 36% were in opposition. By their votes, Glendale

residents indicated that having transportation choices and being connected to regional activities and employment centers were important to maintaining Glendale's high quality of life.

Everyone who shops in Glendale pays the half-cent sales tax that became effective January 1, 2002. The revenues are dedicated to funding the implementation of the *Glendale Onboard! (GO Transportation Plan)*. The sales tax has no termination date. The transportation capital and operating budgets are balanced yearly. Transportation projects can either be funded with Transportation Revenue Obligations or cash financed. The principal and interest on revenue obligations will be covered with future transportation sales tax revenue.

Street (HURF) Revenue Funded Projects: The State of Arizona shares with cities a portion of the revenues it collects from highway user fees. This revenue is tracked in the Streets Fund (Fund 1340) and is known as HURF revenue. The Arizona State Constitution restricts the use of HURF revenue to street and highway purposes such as right-of-way acquisition, construction, reconstruction, maintenance, repair and the payment of the interest and principal on HURF bonds.

HURF often is called the gas tax even though there are several other transportation-related fees, including a portion of the vehicle license tax, that comprise this revenue source. Much of this revenue source is based on the volume of fuel sold rather than the price of fuel.

In the past, the Arizona Legislature has altered (1) the type and/or rate of taxes, fees and charges to be deposited into the Arizona Highway Revenue Fund and (2) the allocation of such monies among the Arizona Department of Transportation, Arizona cities and counties and other purposes. The Arizona Legislature reduced the amount of funds allocated to cities in FY 2009 through FY 2012. Future legislative alterations to HURF revenue sources and/or the HURF distribution formula may occur.

Municipal Property Corporation Bond Funded Projects: A city may form a Municipal Property Corporation (MPC) to finance a large capital project. An MPC is a non-profit organization over which the city exercises oversight authority, including the appointment of its governing board. This mechanism allows the city to finance a needed capital improvement and then purchase the improvement from the corporation over a period of years.

In order for the MPC to market the bonds, a city will typically pledge unrestricted excise taxes. Unrestricted excise taxes are generally all excise, transaction privilege, franchise and income taxes within the city's General Fund. This means MPC debt service is paid with General Fund operating dollars.

The city has formed and entered into agreements to sell MPC bonds to fund several construction projects, including the following:

- Glendale Municipal Office Complex (debt is retired),
- Gila River Arena,

- Glendale Media Center and Expo Hall, Convention Center and Parking Garage adjacent to the Westgate development in west Glendale,
- a portion of the Glendale Regional Public Safety Training Facility and infrastructure for the Zanjero development, and
- the Camelback Ranch development [as explained below].

Public Facilities Corporation Funded Bonds: Similar to an MPC, a public facilities corporation (PFC) a non-profit organization that is formed under Arizona State law to secure funding for capital projects. A PFC is also governed by a Council appointed Board of Directors responsible for authorizing debt. The PFC's sole purpose is to finance and construct public facilities for the city. While the PFC is a legally separate entity from the city, the city is responsible for the debt associated with the PFC bonds. The special debt obligations are back by the city's unrestricted excise taxes.

Grant Funded Projects: The majority of Glendale's grants for capital projects come from the federal or state government. There are two major types of grants. Open, competitive grant programs usually offer a great deal of latitude in developing a proposal and grants are awarded through a competitive review process. The existing Arizona Heritage Fund grants for parks and historic preservation capital projects are an example of competitive grants.

Entitlement or categorical grants are allocated to qualified governmental entities based on a formula basis (e.g., by population, income levels, etc.). Entitlement funds must be used for a specific grantor-defined purpose. Community Development Block Grants are considered entitlement grants and typically must benefit low-moderate income residents.

Most federal and state grant programs, with the exception of some public housing programs, require the applicant to contribute to the cost of the project. The required contribution, referred to as local match, can vary from 5% to 75%. Federal Transportation Administration grants for public transit improvements and Federal Aviation Administration grants for airport projects are examples of capital improvement grants for which local matching requirements will come from the city's operating budget and/or the city's transportation sales tax.

Many federal and state grant programs specifically prohibit the applicant from using other government grants as match, and require that the match be cash rather than donated services. Therefore, matching funds usually come from General Fund department operating budgets, G.O. bonds or development impact fees.

There is always a possibility that some of the grant-funded projects will be delayed or not completed if government grants fail to materialize. CIP projects adversely affected by changes in the availability of grants may be postponed until the needed grant funds are acquired, the project is modified to reduce costs, or the project is funded using alternative means.

Operating Budget - Pay-As-You-Go (PAYGO) Projects: Some capital improvements are paid for on a cash basis in order to avoid the interest costs incurred with other financing mechanisms and are included in the operating budget on a pay-as-you-go basis. The city's operating budget

also provides for the maintenance of capital assets and expenses associated with the depreciation of city facilities and equipment.

Lease Financing Projects: Lease financing provides long-term financing for the purchase of equipment or other capital improvements and does not affect the city's G.O. bond capacity or require voter approval. In a lease transaction, the asset being financed can include new capital needs, assets under existing lease agreements or, in some cases, equipment purchased in the past for which the government or municipal unit would prefer to be reimbursed and paid over time. Title to the asset is transferred to the city at the end of the lease term.

Local Improvement District Bond Projects: Local improvement districts (LIDs) are legally designated geographic areas in which a majority of the affected property owners agree to pay for one or more capital improvements through a supplemental assessment. This financing approach ties the repayment of debt to those property owners who most directly benefit from the improvements financed.

## **Impact of the CIP on the Operating Budget**

Glendale's operating budget is directly affected by the CIP. Almost every new capital improvement entails additional ongoing expenses for routine operation, repair and maintenance upon completion that must be incorporated into the operating budget. Many new capital facilities require the addition of new positions. Existing city facilities and equipment that were once considered state-of-the-art will require rehabilitation, renovation or upgrades to accommodate new uses and/or address safety and structural improvements. Older facilities usually involve higher maintenance and repair costs as well. PAYGO capital projects, grant-matching funds and lease/purchase capital expenses also come directly from the operating budget.

Operating costs are carefully considered in deciding which projects move forward in the CIP because it is not possible for the city to fund concurrently several large-scale projects that have significant operating budget impacts. Therefore, implementation timetables are established that stagger projects over time.

Many improvements make a positive contribution to the fiscal wellbeing of the city. Capital projects such as redevelopment of under-performing or under-used areas of the city, and the infrastructure expansion needed to support new development, promote the economic development and growth that can lead to the generation of additional operating revenues. These new revenue sources provide the funding needed to maintain, improve and expand the city's infrastructure.



**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Summary of All Capital Projects by Funding Type**

| <b>Fund # - Name</b>                | <b>FY 2018</b>      | <b>FY 2019</b>      | <b>FY 2020</b>       | <b>FY 2021</b>      | <b>FY 2022</b>      | <b>FYs 23-27</b>     | <b>Total</b>         |
|-------------------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------------|----------------------|
| <b>BOND CONSTRUCTION FUNDS</b>      |                     |                     |                      |                     |                     |                      |                      |
| 1980 - Street/Parking Bonds         | 11,275,450          | 5,275,450           | 5,275,450            | 5,275,450           | 5,275,450           | 8,811,900            | 41,189,150           |
| 2140 - Open Space/Trails            | 50,000              | 15,056              | 0                    | 176,795             | 0                   | 7,259,516            | 7,501,367            |
| 2060 - Parks                        | 0                   | 0                   | 0                    | 0                   | 0                   | 80,052,683           | 80,052,683           |
| 2160 - Library                      | 0                   | 0                   | 0                    | 0                   | 0                   | 11,590,260           | 11,590,260           |
| 2040 - Public Safety                | 2,468,778           | 2,666,118           | 257,923              | 74,170              | 0                   | 61,217,361           | 66,684,350           |
| 2130 - Cultural Facility            | 100,000             | 84,550              | 0                    | 0                   | 0                   | 0                    | 184,550              |
| 2100 - Economic Development         | 0                   | 0                   | 0                    | 0                   | 0                   | 0                    | 0                    |
| 2180 - Flood Control                | 1,100,480           | 324,230             | 324,230              | 324,230             | 0                   | 20,324,701           | 22,397,871           |
| <b>Sub-Total</b>                    | <b>\$14,994,708</b> | <b>\$8,365,404</b>  | <b>\$5,857,603</b>   | <b>\$5,850,645</b>  | <b>\$5,275,450</b>  | <b>\$189,256,421</b> | <b>\$229,600,231</b> |
| <b>DIF FUNDS</b>                    |                     |                     |                      |                     |                     |                      |                      |
| 1601 - Roadway Improvements         | 2,447,266           | 684,553             | 791,650              | 1,500,000           | 0                   | 34,553               | 5,458,022            |
| 1520 - Citywide Open Space          | 139,157             | 34,944              | 150,000              | 0                   | 0                   | 0                    | 324,101              |
| 1461 - Citywide Parks               | 226,536             | 0                   | 0                    | 0                   | 0                   | 0                    | 226,536              |
| 1481 - Citywide Rec Facility        | 0                   | 126,983             | 0                    | 0                   | 0                   | 3,469                | 130,452              |
| 1541 - Park Dev Zone 1              | 124,085             | 3,469               | 0                    | 0                   | 0                   | 3,469                | 131,023              |
| 1561 - Park Dev Zone 2              | 165,438             | 3,469               | 0                    | 0                   | 0                   | 3,469                | 172,376              |
| 1581 - Park Dev Zone 3              | 0                   | 3,469               | 0                    | 0                   | 0                   | 3,469                | 6,938                |
| 1380 - Library Buildings            | 1,755,029           | 0                   | 0                    | 0                   | 0                   | 0                    | 1,755,029            |
| 1501 - Libraries                    | 1,356,549           | 152,592             | 0                    | 0                   | 0                   | 17,563               | 1,526,704            |
| 1441 - Police Dept Facilities       | 0                   | 0                   | 0                    | 0                   | 0                   | 0                    | 0                    |
| 1421 - Fire Protection Facilities   | 0                   | 15,654              | 0                    | 0                   | 0                   | 15,654               | 31,308               |
| <b>Sub-Total</b>                    | <b>\$6,214,060</b>  | <b>\$1,025,133</b>  | <b>\$941,650</b>     | <b>\$1,500,000</b>  | <b>\$0</b>          | <b>\$81,646</b>      | <b>\$9,762,489</b>   |
| <b>ENTERPRISE/OTHER FUNDS</b>       |                     |                     |                      |                     |                     |                      |                      |
| 2360 - Water & Sewer                | 8,988,412           | 17,008,526          | 17,853,062           | 16,600,000          | 6,600,000           | 2,500,000            | 69,550,000           |
| 2400 - Water                        | 23,801,426          | 38,054,458          | 59,308,145           | 29,127,840          | 5,550,000           | 68,223,225           | 224,065,094          |
| 2420 - Sewer                        | 4,260,000           | 4,978,000           | 4,400,000            | 8,600,000           | 8,550,000           | 25,900,000           | 56,688,000           |
| 2210 - Transportation Construction  | 11,934,647          | 5,877,193           | 3,483,811            | 3,680,732           | 6,723,374           | 144,682,836          | 176,382,593          |
| 2000 - HURF/Street Bonds            | 6,091,023           | 3,490,373           | 3,495,373            | 3,126,523           | 3,126,523           | 22,025,790           | 41,355,605           |
| 1650 - Transportation Grants        | 150,000             | 0                   | 0                    | 0                   | 0                   | 0                    | 150,000              |
| 2480 - Sanitation                   | 589,581             | 3,231,928           | 2,641,597            | 2,161,910           | 2,752,283           | 14,244,061           | 25,621,360           |
| 2440 - Landfill                     | 1,170,630           | 1,106,281           | 2,998,401            | 5,645,586           | 10,724,397          | 22,651,669           | 44,296,964           |
| 2120 - Airport Capital Grants       | 2,175,017           | 1,000,000           | 1,000,000            | 0                   | 0                   | 5,005,056            | 9,180,073            |
| 1840 - Other Federal & State Grants | 15,000              | 0                   | 0                    | 0                   | 0                   | 0                    | 15,000               |
| 1000 - General Fund                 | 0                   | 0                   | 0                    | 0                   | 0                   | 0                    | 0                    |
| 2070 - General Gov Cap              | 8,235,037           | 4,586,752           | 4,423,574            | 2,836,752           | 1,000,000           | 31,668,844           | 52,750,959           |
| 1220 - Arts Commission              | 200,000             | 200,000             | 142,943              | 0                   | 0                   | 0                    | 542,943              |
| <b>Sub-Total</b>                    | <b>\$67,610,773</b> | <b>\$79,533,511</b> | <b>\$99,746,906</b>  | <b>\$71,779,343</b> | <b>\$45,026,577</b> | <b>\$336,901,481</b> | <b>\$700,598,591</b> |
| <b>Grand Total</b>                  | <b>\$88,819,541</b> | <b>\$88,924,048</b> | <b>\$106,546,159</b> | <b>\$79,129,988</b> | <b>\$50,302,027</b> | <b>\$526,239,548</b> | <b>\$939,961,311</b> |



**FUND SUMMARY: 1980-Street/Parking Bonds** **Category: 20%**

|                                       | <u>FY 2018:</u>     | <u>FY 2019:</u>     | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>  |
|---------------------------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>     | <u>New Funding</u>  |                    |                    |                    |                    |
| <b>Existing Assets</b>                |                     |                     |                    |                    |                    |                    |
| <i>Improvement of Existing Assets</i> |                     |                     |                    |                    |                    |                    |
| 68103 Street Scallop                  | 0                   | 0                   | 0                  | 0                  | 0                  | 967,700            |
| <i>Replacement of Existing Assets</i> |                     |                     |                    |                    |                    |                    |
| 68122 Capital Bridge Repair Program   | 0                   | 0                   | 0                  | 0                  | 0                  | 2,568,750          |
| T1802 Pedestrian Infra. Improvements  | 0                   | 3,100,000           | 0                  | 0                  | 0                  | 0                  |
| T1812 95th Avenue Extension (1980)    | 0                   | 2,900,000           | 0                  | 0                  | 0                  | 0                  |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>            | <b>6,000,000</b>    | <b>0</b>           | <b>0</b>           | <b>0</b>           | <b>3,536,450</b>   |
| <b>New Assets</b>                     |                     |                     |                    |                    |                    |                    |
| <b>0</b>                              |                     |                     |                    |                    |                    |                    |
| 68125 *Street Reconstruction Program  | 0                   | 5,275,450           | 5,275,450          | 5,275,450          | 5,275,450          | 5,275,450          |
| <b>Sub-Total - New Assets</b>         | <b>0</b>            | <b>5,275,450</b>    | <b>5,275,450</b>   | <b>5,275,450</b>   | <b>5,275,450</b>   | <b>5,275,450</b>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>          | <b>\$11,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$8,811,900</b> |
| <b>Total FY 2018 Funding:</b>         | <b>\$11,275,450</b> |                     |                    |                    |                    |                    |

**PROJECT DETAIL: 1980-Street/Parking Bonds** **Category: 20%**

**Project:** 68103 - Street Scallop (I) **Funding Source:** General Obligation Bonds

**Project Description:** The Scallop Street Program is used to complete street improvements to reduce traffic accidents, enhance traffic flow, provide safety to adjacent pedestrian traffic and to mitigate property flooding. Projects are selected based on need and available funding from a scallop street inventory maintained by the Engineering Department. Improvements may include pavement widening, curb and gutter, sidewalk, and ADA enhancements.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$900,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$13,500         |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$43,200         |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$9,000          |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,000          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$967,700</b> |

**Operating Description:** O and M costs are not expected for this project.



**PROJECT DETAIL: 1980-Street/Parking Bonds** **Category: 20%**

**Project:** 68122 - Capital Bridge Repair Program (R) **Funding Source:** General Obligation Bonds

**Project Description:** This program is needed to maintain city bridges to meet Federal Highway Administration (FHWA) standards. There are 43 bridges that are inspected by Arizona Department of Transportation (ADOT) semi-annually. Under the National Bridge Inspection Program, administered by ADOT, the city is required to maintain its bridges to a satisfactory standard.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$150,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,250,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$36,000           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$110,250          |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$22,500           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,568,750</b> |

**Operating Description:** No additional O and M is required.

**Project:** T1802 - Pedestrian Infra. Improvements (R) **Funding Source:** General Obligation Bonds

**Project Description:** Design and construction of a pedestrian underpass, pedestrian bridges over the SRP Canal and Outfall channel and needed ramp and sidewalks. This will allow pedestrian to travel efficiently and safety from the new PS parking lot south of Bethany Home Road to the existing Stadium site. The City's share of the cost and expense to construct and complete this project is \$3.1M.

| Capital Costs       | Carryover  | FY 2018            | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$3,100,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,100,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** T1812 - 95th Avenue Extension (1980) (R) **Funding Source:** General Obligation Bonds

**Project Description:** Project will complete 95th Avenue between Camelback Road and Bethany Home Road. It will include, ROW acquisition, phase I environmental clearance, geotechnical investigation, utility coordination, survey and construction.

| Capital Costs | Carryover  | FY 2018            | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|--------------------|------------|------------|------------|------------|------------|
| Design        | \$0        | \$900,000          | \$0        | \$0        | \$0        | \$0        | \$0        |
| Construction  | \$0        | \$2,000,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$2,900,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**



**PROJECT DETAIL: 1980-Street/Parking Bonds** **Category: 20%**

**Project:** 68125\* - Street Reconstruction Program (N) **Funding Source:** General Obligation Bonds

**Project Description:** Project provides for reconstruction of arterial and collector streets as identified in the Pavement Management Plan.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021            | FY 2022            | FYs 23-27          |
|---------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Construction        | \$0        | \$5,000,000        | \$5,000,000        | \$5,000,000        | \$5,000,000        | \$5,000,000        | \$5,000,000        |
| Finance Charges     | \$0        | \$50,000           | \$50,000           | \$50,000           | \$50,000           | \$50,000           | \$50,000           |
| Engineering Charges | \$0        | \$75,450           | \$75,450           | \$75,450           | \$75,450           | \$75,450           | \$75,450           |
| Arts                | \$0        | \$50,000           | \$50,000           | \$50,000           | \$50,000           | \$50,000           | \$50,000           |
| Miscellaneous/Other | \$0        | \$100,000          | \$100,000          | \$100,000          | \$100,000          | \$100,000          | \$100,000          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> | <b>\$5,275,450</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2140-Open Space/Trails Construction** **Category: 20%**

|                                       | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u>  | <u>FYs 23-27:</u> |
|---------------------------------------|-----------------|--------------------|-----------------|-----------------|------------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> | <u>New Funding</u> |                 |                 |                  |                   |
| <b>Existing Assets</b>                |                 |                    |                 |                 |                  |                   |
| <i>Improvement of Existing Assets</i> |                 |                    |                 |                 |                  |                   |
| 70000 Thunderbird Paseo Park Develop  | 0               | 0                  | 0               | 0               | 0                | 1,998,675         |
| 70006 *T-bird Park Master Plan 2140   | 0               | 0                  | 15,056          | 0               | 0                | 0                 |
| 70007 *Open Space/Trails Master Plan  | 0               | 50,000             | 0               | 0               | 0                | 0                 |
| 70008 *Thunderbird Park Imprvmnt 2140 | 0               | 0                  | 0               | 0               | 176,795          | 0                 |
| T1630 TCP Trail Improvements          | 0               | 0                  | 0               | 0               | 0                | 2,639,898         |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>50,000</b>      | <b>15,056</b>   | <b>0</b>        | <b>176,795</b>   | <b>4,638,573</b>  |
| <b>New Assets</b>                     |                 |                    |                 |                 |                  |                   |
| <b>0</b>                              |                 |                    |                 |                 |                  |                   |
| 70003 City-Wide Trails System         | 0               | 0                  | 0               | 0               | 0                | 1,020,000         |
| 70005 West Valley Multi-Modal Corrid  | 0               | 0                  | 0               | 0               | 0                | 1,600,943         |
| <b>Sub-Total - New Assets</b>         | <b>0</b>        | <b>0</b>           | <b>0</b>        | <b>0</b>        | <b>0</b>         | <b>2,620,943</b>  |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$50,000</b>    | <b>\$15,056</b> | <b>\$0</b>      | <b>\$176,795</b> | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>         | <b>\$50,000</b> |                    |                 |                 |                  |                   |

**PROJECT DETAIL: 2140-Open Space/Trails Construction** **Category: 20%**

**Project:** 70000 - Thunderbird Paseo Park Develop (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project is for park improvements and renovations to maintain the 55 acre Thunderbird Paseo Linear Park. This includes tree replacement and additions, enhance landscaping with drought tolerant plant material; signage replacement; removal of asphalt surface; addition of concrete surface where asphalt existed; pedestrian/equestrian bridges; replacement of equipment located in the linear park; and address all mandated accessibility issues.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$423,475          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,209,928        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$39,973           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$44,919           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$12,099           |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$90,217           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$178,064          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,998,675</b> |

**Operating Description:** O and M expenses would vary based upon the specific type of future landscape improvements that are implemented. Supplies and contracts calculated at \$601 per acre X 50 acres (estimate value) plus inflation. A landscape water rate is calculated at \$0.22 per sq ft for 435,600 sq ft. All calculations are for 31 months of operation. A supplemental budget request will be submitted once the project is near completion.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$96,174         |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$315,188        |



**PROJECT DETAIL: 2140-Open Space/Trails Construction** **Category: 20%**

**Project:** 70006\* - T-bird Park Master Plan 2140 (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project will update and revise the existing Thunderbird Conservation Park master plan. This is partial funding of this request, the balance is being requested in Fund 1520 DIF - Citywide Open Spaces in the amount of \$34,944.

| Capital Costs       | Carryover  | FY 2018    | FY 2019         | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|-----------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$0        | \$15,056        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$15,056</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 70007\* - Open Space/Trails Master Plan (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project request is to revised and update the existing Open Space and Trails Master Plan completed in 2005. Since the approval of the current master plan, the development and use of trails and open space has increased and staff continue to receive requests for additional/expanded amenities.

| Capital Costs       | Carryover  | FY 2018         | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|-----------------|------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$50,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$50,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 70008\* - Thunderbird Park Imprvmnt 2140 (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project will include construction/renovation of Thunderbird Conservation Park trails, restrooms, ramadas, shade structures and amenities as defined in the master plan update.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|------------|------------|------------------|------------|------------|
| Construction        | \$0        | \$0        | \$0        | \$0        | \$154,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$12,000         | \$0        | \$0        |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$1,540          | \$0        | \$0        |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$9,255          | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$176,795</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**



**PROJECT DETAIL: 2140-Open Space/Trails Construction**

**Category: 20%**

**Project:** T1630 - TCP Trail Improvements (I)

**Funding Source:**

General Obligation Bonds

**Project Description:**

Based on the Thunderbird Conservation Park Master Plan recommendations, items to be addressed include ongoing repair and improvements of the 18 miles of natural surfaced trails. This would include ongoing replacement of trail signage and markers; enhance trail nodes and the trail heads along the trail system; removal of safety concerns and obstacles; rebuild trail washouts and mitigate washout areas; survey terrain for possible trail realignments; enhance scenic areas; removal of invasive plant species on the trails; widen trail system to accommodate multi-use designation; install trail interpretive signage; and re-vegetation of areas that have been impacted by rogue use. Project formally referred to as Thunderbird Park Improvements.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$196,086          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,960,869        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$58,204           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$55,000           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$19,609           |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$56,000           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$294,130          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$2,639,898</b> |

**Operating Description:**

Supplies are based on 33 acres of improvements x \$601. Improvements will require a Service Worker II at \$53,310 with benefits, a Park Ranger with benefits at \$51,087, contracted labor assistance at \$25,000 per year, building maintenance at \$1.62 X 3,000 sq ft = \$4,860 annually; insurance is for 2 new employees at \$828 per person.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Staffing               | \$0            | \$0            | \$0            | \$0            | \$0            | \$458,320        |
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$70,248         |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$17,214         |
| Insurance              | \$0            | \$0            | \$0            | \$0            | \$0            | \$5,865          |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$11,097         |



**PROJECT DETAIL: 2140-Open Space/Trails Construction** **Category: 20%**

**Project:** 70003 - City-Wide Trails System (N) **Funding Source:** General Obligation Bonds

**Project Description:** This project will implement recommendations for open space acquisition, trailhead land purchases, construction of pedestrian, bicycle, and equestrian paths and trails, and connectivity between areas of interest citywide that accommodates future growth and user demands. This may include improvement or enhancements to trails along the Grand Canal Linear Park, Thunderbird Paseo, Skunk Creek Linear Park and the Bridle Path.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$20,000           |
| Miscellaneous/Other  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,000,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,020,000</b> |

**Operating Description:** Specific scope will determine the additional O and M costs which could include supplies and contracts for \$601 x 50 acres, Service Worker II w/ benefits, building maintenance is for additional lighting (260 poles X \$153 per pole), insurance is for a new staff member at \$828 a year, and landscape is based on 50 acres of newly developed trails at \$.22 per square foot. Other operating calculations have been based upon 50 acres. A supplemental budget request will be submitted once the project is near completion.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Staffing               | \$0            | \$0            | \$0            | \$0            | \$0            | \$141,909        |
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$83,451         |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$110,472        |
| Insurance              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,299          |
| PC/Vehicle Replacement | \$0            | \$0            | \$0            | \$0            | \$0            | \$8,170          |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$206,038        |

**Project:** 70005 - West Valley Multi-Modal Corrid (N) **Funding Source:** General Obligation Bonds

**Project Description:** This is to construct a multimodal trail system along the Agua Fria River Corridor as per the Maricopa Association of Governments West Valley Rivers Trails Plan. The trail system will link with other trails in and around the City of Glendale connecting parks and other recreation facilities, and serve new and existing residents.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$270,277          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,110,057        |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$43,000           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$11,101           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$166,508          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,600,943</b> |

**Operating Description:** Supplies and contracts include \$601x 10 acres. Building maintenance costs include 34 low-level security lights for rest nodes and trail at \$75 per light and \$13 per lamp for bulb replacement. Landscape includes maintenance of approximately 435,600 sq ft x \$.0927per sq ft, water at \$.22 per sq ft x 435,600 sq ft, and ramada cleaning/maintenance at \$4,000 per ramada x three ramadas.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$6,010          |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$14,992         |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$95,832         |

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2060-Parks Construction** **Category: 20%**

|                                       |                 | <u>FY 2018:</u>    | <u>FY 2019:</u> | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u>   |
|---------------------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> | <u>New Funding</u> |                 |                 |                 |                 |                     |
| <b>Existing Assets</b>                |                 |                    |                 |                 |                 |                 |                     |
| <i>Improvement of Existing Assets</i> |                 |                    |                 |                 |                 |                 |                     |
| 70510 Park Enhancements               | 0               | 0                  | 0               | 0               | 0               | 0               | 10,921,641          |
| 70515 T-Bird Park Improvements        | 0               | 0                  | 0               | 0               | 0               | 0               | 2,902,993           |
| 70540 Grounds & Facilities Imprvmnts  | 0               | 0                  | 0               | 0               | 0               | 0               | 3,914,523           |
| T1715 Play Structure Improvements     | 0               | 0                  | 0               | 0               | 0               | 0               | 2,874,890           |
| <i>Replacement of Existing Assets</i> |                 |                    |                 |                 |                 |                 |                     |
| 70500 Parks Redevelopment             | 0               | 0                  | 0               | 0               | 0               | 0               | 27,417,240          |
| 70512 Facilities Renovation           | 0               | 0                  | 0               | 0               | 0               | 0               | 9,906,161           |
| 70526 Multiuse Sports Field Lighting  | 0               | 0                  | 0               | 0               | 0               | 0               | 4,723,297           |
| 70535 Paseo Racquet Center Park       | 0               | 0                  | 0               | 0               | 0               | 0               | 7,045,478           |
| 70541 Parks Capital Equipment         | 0               | 0                  | 0               | 0               | 0               | 0               | 1,224,490           |
| T1712 Aquatic Facility Renovation     | 0               | 0                  | 0               | 0               | 0               | 0               | 7,232,945           |
| T1713 Foothills Center Renovation     | 0               | 0                  | 0               | 0               | 0               | 0               | 1,889,025           |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>        | <i>0</i>           | <i>0</i>        | <i>0</i>        | <i>0</i>        | <i>0</i>        | <i>80,052,683</i>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$0</b>         | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$80,052,683</b> |
| <b>Total FY 2018 Funding:</b>         |                 | <b>\$0</b>         |                 |                 |                 |                 |                     |

**PROJECT DETAIL: 2060-Parks Construction** **Category: 20%**



**PROJECT DETAIL: 2060-Parks Construction** **Category: 20%**

**Project:** 70510 - Park Enhancements (I) **Funding Source:** General Obligation Bonds

**Project Description:** Ongoing park enhancements are vital in the city's effort to improve and enhance park functionality and appeal. Staff continually assesses park amenities and infrastructure, and strive to meet the demands park users place on park land and facilities. Park enhancements focus on a variety of elements and amenities within the existing park setting, and can be urgent in nature or planned. Typical park enhancements include new sport courts; additional low-level security lighting; picnic areas; picnic benches; Americans with Disabilities Act (ADA) issues; shade structures, landscape, and other amenities added to existing park sites. Ongoing enhancements typically address service gaps in the level of service requirements outlined in the Parks and Recreation Master Plan and federal, state, and local mandates.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>    |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$926,587           |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$8,547,040         |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$174,429           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$92,500            |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$85,470            |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$250,000           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$845,615           |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$10,921,641</b> |

**Operating Description:** In most cases, park enhancements will have little or no impact on the O and M. In fact, in many cases the enhancements allow for a more efficient operation of infrastructure and amenities. O and M will be impacted when additional amenities are introduced to the park, such as ramadas, additional low-level lighting, etc. Supplies/contracts include \$601 x 4 acre. Building Maintenance includes an average of 10 additional low level security lighting x \$150 for electricity, and \$21 per lamp for replacement. Landscape maintenance \$.22 x 43,560 sq ft. A supplemental will be submitted.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$147,960        |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$105,250        |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$584,820        |

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**PROJECT DETAIL: 2060-Parks Construction**

**Category: 20%**

**Project: 70515 - T-Bird Park Improvements (I)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project will continue the implementation of the Thunderbird Conservation Park Master Plan recommendations and improvements including the removal of invasive plant species and re-vegetation, signage upgrades, repairs or replacements to existing ramadas, picnic tables, grills, restrooms and other infrastructure. It will also address the continuation of re-vegetation, as well as the installation of new park elements, such as ramadas and parking lot improvements.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$646,739          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,847,826        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$57,777           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$55,000           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$18,478           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$277,173          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,902,993</b> |

**Operating Description:**

Improvements have an O and M impact for two new 750 sq ft restrooms with associated utilities and supplies. Supplies are based on 33 acres of improvements x \$601. Improvements will require a Service Worker II at \$53,310 with benefits, a Park Ranger with benefits at \$51,087, contracted labor assistance at \$25,000 per year, utilities at \$2.70 per sq ft X 3,000 sq ft = \$8,100; building maintenance at \$1.62 X 3,000 sq ft = \$4,860 annually; equipment maintenance is for two added pole lights at \$358 annually; insurance is for two new employees at \$828 per person; ramada cleaning at \$3,000 each at five new ramadas, building water at \$0.195 sq ft or \$49 per month.

| Operating Costs | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FYs 23-27 |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Staffing        | \$0     | \$0     | \$0     | \$0     | \$0     | \$485,932 |
| Supplies/Contr  | \$0     | \$0     | \$0     | \$0     | \$0     | \$69,578  |
| Utilities       | \$0     | \$0     | \$0     | \$0     | \$0     | \$28,250  |
| Bldg. Maint.    | \$0     | \$0     | \$0     | \$0     | \$0     | \$29,912  |
| Equip. Maint.   | \$0     | \$0     | \$0     | \$0     | \$0     | \$2,203   |
| Insurance       | \$0     | \$0     | \$0     | \$0     | \$0     | \$28,259  |
| Landscape       | \$0     | \$0     | \$0     | \$0     | \$0     | \$21,431  |
| Water           | \$0     | \$0     | \$0     | \$0     | \$0     | \$1,930   |

**Project: 70540 - Grounds & Facilities Imprvmnts (I)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project addresses renovations and golf course enhancements that may not otherwise be included or covered in the golf course management agreements. Issues to be addressed include golf course grounds and infrastructure at Glendale's Glen Lakes and Desert Mirage golf courses. Improvements will include modifying or enhancing greens, tees, fairways, cart paths, irrigation systems, lakes, driving ranges, parking lots, fence replacement, and pro-shops for both municipal golf courses.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$875,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,500,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$77,085           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$62,438           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$25,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$375,000          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,914,523</b> |

**Operating Description:**

No additional O and M is needed.



**PROJECT DETAIL: 2060-Parks Construction**

**Category: 20%**

**Project: T1715 - Play Structure Improvements (I)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project involves replacing all playground components and playground surfacing in city parks to be more compliant with changes to the Americans with Disabilities Act (ADA), U.S. Consumer Product Safety Commission (CPSC), the American Society for Testing and Materials (ASTM), and play units and components that have been removed due to vandalism or ongoing wear and tear.

In 2011, all of these organizations made significant changes to the laws, guidelines, and standards as it relates to playground accessibility, use, and safety. Subsequent evaluations by staff who are certified as Playground Safety Inspectors (CPSI) resulted in a comprehensive annual audit of all playgrounds to identify all play structure, playground, and playground surface deficiencies. The annual audit identified multiple playgrounds requiring varying levels of update to meet the new ADA, CPSC, and/or the ASTM laws, guidelines, and/or regulations. External audits of the playgrounds confirmed CPSI findings

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$50,000           |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$56,390           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$8,000            |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$500              |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,400,000        |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$360,000          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$2,874,890</b> |

**Operating Description:**

No additional O and M is required. The new laws, guidelines, and standards would actually reduce O and M by reducing the staff time to conduct head and torso inspections, and tilling sand fall zones.

**Project: 70500 - Parks Redevelopment (R)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project is designed as a proactive focus for revitalizing parks currently in the city's inventory that have shown signs of deteriorating infrastructure, amenities, and/or landscape. The purpose of the redevelopment process is to heighten or restore the overall functionality of the park for the users, while at the same time enhancing the operating efficiency. As in the past, staff identify strategies that are designed to revive a park's existing strengths and develop new or enhanced functions of the park. Development strategies, service gaps, and needs are identified and addressed during the design and construction phase. Depending on the park category, location, size, and level of service, each requires a distinct level of funding to address an assortment of services or operational improvements.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>    |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$6,283,947         |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$18,239,851        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$548,341           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$122,000           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$182,399           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,040,702         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$27,417,240</b> |

**Operating Description:**

Supplies and contracts are based on 10 acres x \$601 per acre. Building Maintenance includes an additional 30, low-level park lighting at \$171 per pole. These parks are currently maintained, so staff doesn't project additional landscape maintenance costs. Water would include the addition of 40 drinking fountains at \$88 each. A supplemental budget request will be submitted once the project is near completion.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$36,990         |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$31,574         |
| Water                  | \$0            | \$0            | \$0            | \$0            | \$0            | \$17,600         |

**PROJECT DETAIL: 2060-Parks Construction**

**Category: 20%**

**Project: 70512 - Facilities Renovation (R)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

The proposed renovations address planned and/or unexpected restoration improvements and infrastructure replacement at existing park and recreation buildings, centers, ball field complex sites, group ramada pavilions, restrooms, and tennis and golf complexes. Funds are used citywide to provide ongoing renovation to existing facilities. The specific facilities that receive assistance from this project are targeted through an ongoing assessment and feedback from citizens and staff.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$8,093,137        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$198,123          |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$120,000          |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$80,931           |
| Equipment           | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$200,000          |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,213,970        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$9,906,161</b> |

**Operating Description:**

New O and M expenses are not usually encountered with restoration activities.

**Project: 70526 - Multiuse Sports Field Lighting (R)**

**Funding Source:**

General Obligation Bonds

**Project Description:**

The Parks and Recreation has 25 lighted sports fields that are used for various youth and adult sports program and cultural events. Of the 25 lighted sports fields, 5 of the sports fields have athletic field lighting and lighting infrastructure that are over 15 years old. This project involves the renovation or replacement of existing sports lights that have illumination depreciation or no longer meet current illumination standards and those facilities where the lighting systems are currently depreciating and will require replacement.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$705,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,528,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$94,466           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$78,311           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$35,280           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$282,240          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,723,297</b> |

**Operating Description:**

This project will not require additional O and M. The bid specifications would be performance based and would require the contractor to perform bulb replacements. The newer lighting technology would operate more efficiently, thus reducing electrical consumption and O and M.



**PROJECT DETAIL: 2060-Parks Construction** **Category: 20%**

**Project:** 70535 - Paseo Racquet Center Park (R) **Funding Source:** General Obligation Bonds

**Project Description:** The park project has two components: Paseo Sports Complex and Paseo Racquet Center, both of which are in this park. The Sports Complex work will include the replacement of the lighting system, outdoor sound system, all fencing, restroom and concessions building. At the Paseo Racquet Center, necessary repairs include court overlays, court resurfacing, lighting, fencing and building restoration and improvements.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,579,200        |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,512,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$139,858          |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$92,500           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$45,120           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$676,800          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$7,045,478</b> |

**Operating Description:** These capital improvements are to existing facilities and will likely decrease O and M expenses.

**Project:** 70541 - Parks Capital Equipment (R) **Funding Source:** General Obligation Bonds

**Project Description:** The Parks Department has 10 pieces of equipment currently in the fleet that are 10 years or older, and 18 pieces of equipment that are 13 years or older. All are not included as part of the City's Vehicle Replacement Fund and have passed their average effective lifespan. Replacing old, outdated equipment such as mowers, sod cutters, aerators, paint machines, trailers, utility vehicles, specialized chain saws, park/facility maintenance equipment, ball field preparation machines and equipment are essential to the care and maintenance of facilities and parks. The equipment has outlasted its useful and effective lifespan.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$24,490           |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,200,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,224,490</b> |

**Operating Description:** No additional O & M as the purchase of equipment would simply replace the existing.



**PROJECT DETAIL: 2060-Parks Construction**

**Category: 20%**

**Project:** T1712 - Aquatic Facility Renovation (R)

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project includes the renovation and restoration of existing aquatic facilities (Foothills and Rose Lane) owned by the City and operated by the Parks and Recreation Division. The aquatic facilities require annual attention and frequent repairs to remain relevant and useful. Projects, such as, replastering of the water vessels; patching and repairs to the pool decking; replacement of shade canopies; pool pumps and other equipment are needed to ensure continued compliance with all federal, state and county health code requirements. Other items to be considered periodically include slide repair and/or replacement; repair or replacement of play structure components; electrical infrastructure; diving boards; and pool heaters

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,350,822        |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$4,650,207        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$144,659          |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$92,500           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$46,502           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$948,255          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,232,945</b> |

**Operating Description:**

No additional O and M needed.

**Project:** T1713 - Foothills Center Renovation (R)

**Funding Source:**

General Obligation Bonds

**Project Description:**

This project involves the replacement of recreation center equipment that has an expected useful life span of 5-7 years and renovation of the facility. Replacement of fitness room equipment; existing audio/visual equipment; carpeting; room dividers; window blinds; chillers and boilers to the building; security systems; ongoing resurfacing of the multi-purpose area; enhance lighting in the exterior and interior; and parking lot resurfacing.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$189,625          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$758,500          |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$37,040           |
| IT/Phone/Security   | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$80,500           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$40,769           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$7,585            |
| Equipment           | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$634,500          |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$140,506          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,889,025</b> |

**Operating Description:**

No additional O and M is needed for this project.



**FUND SUMMARY: 2160-Library Construction** **Category: 6%**

|                                       | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u>       |
|---------------------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-------------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> | <u>New Funding</u> |                 |                 |                 |                         |
| <b>Existing Assets</b>                |                 |                    |                 |                 |                 |                         |
| <i>Improvement of Existing Assets</i> |                 |                    |                 |                 |                 |                         |
| T2810 Library Renovation              | 0               | 0                  | 0               | 0               | 0               | 11,590,260              |
| <i>Sub-Total - Existing Assets</i>    | 0               | 0                  | 0               | 0               | 0               | 11,590,260              |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$0</b>         | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0 \$11,590,260</b> |
| <b>Total FY 2018 Funding:</b>         | <b>\$0</b>      |                    |                 |                 |                 |                         |

**PROJECT DETAIL: 2160-Library Construction** **Category: 6%**

**Project:** T2810 - Library Renovation (I) **Funding Source:** General Obligation Bonds

**Project Description:** This is a request to modernize the three branch libraries to meet the expectations of the community. This project will include renovating and updating the interior spaces at the Velma Teague Branch Library (built in 1969), the Main Library (built in 1987)

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>    |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$227,260           |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$11,363,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$11,590,260</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2040-Public Safety Construction** **Category: 20%**

|                                       |                 | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>  | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u>   |
|---------------------------------------|-----------------|--------------------|--------------------|------------------|-----------------|-----------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> | <u>New Funding</u> |                    |                  |                 |                 |                     |
| <b>Existing Assets</b>                |                 |                    |                    |                  |                 |                 |                     |
| <i>Improvement of Existing Assets</i> |                 |                    |                    |                  |                 |                 |                     |
| 75037 *Regional Wireless Cooperative  | 0               | 2,351,250          | 2,351,250          | 0                | 0               | 0               | 0                   |
| T1801 *TDMA Upgrade for RWC           | 0               | 117,528            | 314,868            | 257,923          | 74,170          | 0               | 0                   |
| <i>Replacement of Existing Assets</i> |                 |                    |                    |                  |                 |                 |                     |
| 75024 800MHz Comm Equip               | 0               | 0                  | 0                  | 0                | 0               | 0               | 1,408,819           |
| 75034 Engine & Ladder Replacement     | 0               | 0                  | 0                  | 0                | 0               | 0               | 3,920,612           |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>2,468,778</b>   | <b>2,666,118</b>   | <b>257,923</b>   | <b>74,170</b>   | <b>0</b>        | <b>5,329,431</b>    |
| <b>New Assets</b>                     |                 |                    |                    |                  |                 |                 |                     |
| <b>0</b>                              |                 |                    |                    |                  |                 |                 |                     |
| 75020 City Court Building             | 0               | 0                  | 0                  | 0                | 0               | 0               | 43,075,302          |
| T5536 Fire Station - Western Area     | 0               | 0                  | 0                  | 0                | 0               | 0               | 12,812,628          |
| <b>Sub-Total - New Assets</b>         | <b>0</b>        | <b>0</b>           | <b>0</b>           | <b>0</b>         | <b>0</b>        | <b>0</b>        | <b>55,887,930</b>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$2,468,778</b> | <b>\$2,666,118</b> | <b>\$257,923</b> | <b>\$74,170</b> | <b>\$0</b>      | <b>\$61,217,361</b> |
| <b>Total FY 2018 Funding:</b>         |                 | <b>\$2,468,778</b> |                    |                  |                 |                 |                     |

**PROJECT DETAIL: 2040-Public Safety Construction** **Category: 20%**

**Project:** 75037\* - Regional Wireless Cooperative (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project helps fund the city's share of membership in the Regional Wireless Cooperative (RWC) digital communications system (two way radio). Fees associated with this membership cover the operational and maintenance costs on a per radio basis as well as special assessment fees. Membership in the RWC provides enhances service, redundancy and increased coverage for all city departments. Most importantly, interoperability not only within city departments but also valley wide partners, is greatly increased. The city's "Gold Elite" consoles will require replacement upon the upgrade to IP-based radio communications as will portable and mobile radios used in the field which have reached their recommended end of life. In addition, this includes upgrades to our radio hardware due to known and anticipated upgrades and mandates which will make our current radio system obsolete.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u>     | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|--------------------|----------------|----------------|----------------|------------------|
| IT/Phone/Security    | \$0              | \$2,351,250        | \$2,351,250        | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$2,351,250</b> | <b>\$2,351,250</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

\*=New Project, N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



**PROJECT DETAIL: 2040-Public Safety Construction** **Category: 20%**

**Project:** T1801\* - TDMA Upgrade for RWC (I) **Funding Source:** General Obligation Bonds

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

| Capital Costs     | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021         | FY 2022    | FYs 23-27  |
|-------------------|------------|------------------|------------------|------------------|-----------------|------------|------------|
| IT/Phone/Security | \$0        | \$117,528        | \$314,868        | \$257,923        | \$74,170        | \$0        | \$0        |
| <b>TOTAL</b>      | <b>\$0</b> | <b>\$117,528</b> | <b>\$314,868</b> | <b>\$257,923</b> | <b>\$74,170</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 75024 - 800MHz Comm Equip (R) **Funding Source:** General Obligation Bonds

**Project Description:** Replacement and/or upgrade of existing radios for the Regional Wireless Cooperative to assure the department continues to meet Federal Communications Commission requirements for Public Safety radio transmissions as mandated and/or to replace radios that have met or exceeded their life expectancy and require technology upgrades. The life expectancy for radios is 8 to 10 years.

| Capital Costs   | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|-----------------|------------|------------|------------|------------|------------|------------|--------------------|
| Finance Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$28,176           |
| Equipment       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,380,643        |
| <b>TOTAL</b>    | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,408,819</b> |

**Operating Description:** O and M includes network fees annually at \$94.59 per month, per radio for 196 radios, as identified by the RWC for FY2018/2019. The department will submit a supplemental in the future for the additional O and M. Annual ongoing O and M before inflationary increases: \$222,476.

| Operating Costs | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FYs 23-27 |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Supplies/Contr  | \$0     | \$0     | \$0     | \$0     | \$0     | \$224,476 |

**Project:** 75034 - Engine & Ladder Replacement (R) **Funding Source:** General Obligation Bonds

**Project Description:** To maximize the safe use of Emergency Code 3 Apparatus the Fire Department's replacement plan indicates that front line engines should be replaced at 7 years or 100,000 miles and be moved into a reserve status. Ladder trucks should be replaced after 15 years or 100,000 miles. The department will maintain a reserve fleet of one reserve truck for every two front line trucks. This CIP request is for a continuous plan for replacement of the department's Code 3 Apparatus in an effort to be compliant with the National Fire Protection Association Standards for emergency apparatus. Our fleet now averages 11 years old and 150,000 miles of service.

| Capital Costs   | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|-----------------|------------|------------|------------|------------|------------|------------|--------------------|
| Finance Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$78,412           |
| Equipment       | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,842,200        |
| <b>TOTAL</b>    | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,920,612</b> |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.



**PROJECT DETAIL: 2040-Public Safety Construction** **Category: 20%**

**Project:** 75020 - City Court Building (N) **Funding Source:** General Obligation Bonds

**Project Description:** Construction will resume on the city court building in the future years. As of the end of December 2009, the structure was built to ground level. When completed the building is expected to be approximately 90,000 net square feet and include 10 courtrooms. There is the possibility of additional costs due to the delay in construction.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>    |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,742,010         |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$31,613,404        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$861,506           |
| IT/Phone/Security    | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,235,868         |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$139,968           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$316,134           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,166,412         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$43,075,302</b> |

**Operating Description:** O and M would be needed starting in FY 2022 and includes a Building Maintenance Worker, two Custodians, a Day Porter and three Detention Officers. Other items include, utilities and electricity, security, building and elevator maintenance, parking lot sweeping and custodial supplies. There are \$213,800 in one-time expenses in FY 2021 including one-time purchases of vehicles and other essential supplies. The O and M related to opening the new facility does not include current grant-funded and one-time funded staff and operational costs. These costs total \$577,269. O and M costs for additional court positions will also be needed starting in the year the building is occupied. A supplemental budget request will be submitted once the project is near completion.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Staffing               | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,453,002      |
| Utilities              | \$0            | \$0            | \$0            | \$0            | \$0            | \$184,533        |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$250,966        |
| Equip. Maint.          | \$0            | \$0            | \$0            | \$0            | \$0            | \$47,056         |
| Insurance              | \$0            | \$0            | \$0            | \$0            | \$0            | \$51,671         |
| Electrical             | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,107,210      |
| PC/Vehicle Replacement | \$0            | \$0            | \$0            | \$0            | \$0            | \$18,684         |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$27,426         |
| Water                  | \$0            | \$0            | \$0            | \$0            | \$0            | \$38,579         |
| Refuse                 | \$0            | \$0            | \$0            | \$0            | \$0            | \$22,492         |



**PROJECT DETAIL: 2040-Public Safety Construction** **Category: 20%**

**Project:** T5536 - Fire Station - Western Area (N) **Funding Source:** General Obligation Bonds

**Project Description:** Design and construction of a 15,000 sq ft, four bay fire station, with firefighter quarters for 18 personnel, furniture, fixtures, equipment, office space and storage. Equipment includes one engine. This facility will respond to the surrounding areas between Northern Avenue and Camelback Road and 83rd to 115th Avenues. This fire station would house a fire pumper 24/7 initially, with further expansion of ladders and medic units as growth demands.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>    |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Land                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,395,800         |
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,407,000         |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$5,226,000         |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$256,253           |
| IT/Phone/Security    | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$156,000           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$92,500            |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$52,260            |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,601,040         |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$1,625,775         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$12,812,628</b> |

**Operating Description:** Additional O and M would be needed starting in March of 2021. Staffing includes the salary and benefits for 12 Firefighters, 3 Captains, 3 Engineers and .5 FTE Building Maintenance Worker. Also includes promotions, training, medic pay, station supplies, station and equipment maintenance, telephone charges, grounds maintenance, insurance and one-time cost in the amount of \$486,895 to recruit, test, hire and to send 18 firefighters to the training academy and six to medic school. Utilities, building maintenance, supplies and custodial services for 15,000 sq ft of space. PC replacement contributions for 3 computers and 1 color printer replacement = \$2,182. Landscaping estimated at \$0.22 per sq ft for 15,000 sq ft. Water estimated at \$0.195 per sq ft. Refuse estimated at \$342.26 x 12 months. A supplemental budget request will be submitted once the project is near completion.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Staffing               | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,844,622      |
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$703,502        |
| Utilities              | \$0            | \$0            | \$0            | \$0            | \$0            | \$146,398        |
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$434,875        |
| Equip. Maint.          | \$0            | \$0            | \$0            | \$0            | \$0            | \$57,327         |
| Insurance              | \$0            | \$0            | \$0            | \$0            | \$0            | \$36,165         |
| Electrical             | \$0            | \$0            | \$0            | \$0            | \$0            | \$72,695         |
| PC/Vehicle Replacement | \$0            | \$0            | \$0            | \$0            | \$0            | \$62,820         |
| Landscape              | \$0            | \$0            | \$0            | \$0            | \$0            | \$9,501          |
| Water                  | \$0            | \$0            | \$0            | \$0            | \$0            | \$8,421          |
| Refuse                 | \$0            | \$0            | \$0            | \$0            | \$0            | \$11,824         |



**FUND SUMMARY: 2130-Cultural Facility Construction** **Category: 6%**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>  | <u>New Funding</u> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Improvement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 84309 *Sahuaro Ranch Park Improvments | 0                | 100,000            | 84,550          | 0               | 0               | 0                 |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>         | <i>100,000</i>     | <i>84,550</i>   | <i>0</i>        | <i>0</i>        | <i>0</i>          |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$100,000</b>   | <b>\$84,550</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>         | <b>\$100,000</b> |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 2130-Cultural Facility Construction** **Category: 6%**

**Project:** 84309\* - Sahuaro Ranch Park Improvments (I) **Funding Source:** General Obligation Bonds

**Project Description:** This project will include the renovation and stabilization of the historic area of Sahuaro Ranch Park over a three year period. The historic area includes 13 original buildings, a rose garden, barnyard and historic orchards and has been a cultural asset that celebrates the city's historic beginnings. Listed on the National Register of Historical Places and known as the "Showplace of the Valley," the Sahuaro Ranch Historic Area offers activities, exhibits and guided tours—keeping the history of early settlement in the Valley alive.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|-----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$87,165         | \$75,000        | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$5,753          | \$4,950         | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$872            | \$750           | \$0            | \$0            | \$0            | \$0              |
| Contingency          | \$0              | \$6,210          | \$3,850         | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$100,000</b> | <b>\$84,550</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**



**FUND SUMMARY: 2180-Flood Control Construction** **Category: 20%**

|                                       |                                    | <u>FY 2018:</u>    | <u>FY 2019:</u>  | <u>FY 2020:</u>  | <u>FY 2021:</u>  | <u>FY 2022:</u> | <u>FYs 23-27:</u>   |
|---------------------------------------|------------------------------------|--------------------|------------------|------------------|------------------|-----------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> <u>New Funding</u> |                    |                  |                  |                  |                 |                     |
| <b>Existing Assets</b>                |                                    |                    |                  |                  |                  |                 |                     |
| <i>Improvement of Existing Assets</i> |                                    |                    |                  |                  |                  |                 |                     |
| 79004 Local Drainage Problems         | 0                                  | 1,100,480          | 324,230          | 324,230          | 324,230          | 0               | 322,230             |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>                           | <b>1,100,480</b>   | <b>324,230</b>   | <b>324,230</b>   | <b>324,230</b>   | <b>0</b>        | <b>322,230</b>      |
| <b>New Assets</b>                     |                                    |                    |                  |                  |                  |                 |                     |
| <b>0</b>                              |                                    |                    |                  |                  |                  |                 |                     |
| 79013 Bethany Home SD, 79th-67th      | 0                                  | 0                  | 0                | 0                | 0                | 0               | 6,306,500           |
| 79014 59th Ave & Thunderbird Rd SD    | 0                                  | 0                  | 0                | 0                | 0                | 0               | 1,993,011           |
| T2910 Bethany Home SD, 67th-58th      | 0                                  | 0                  | 0                | 0                | 0                | 0               | 5,450,900           |
| T7901 83rd Ave BethanyHm to Camelbac  | 0                                  | 0                  | 0                | 0                | 0                | 0               | 3,125,030           |
| T7902 Camelback Rd. 51st to 58th      | 0                                  | 0                  | 0                | 0                | 0                | 0               | 3,127,030           |
| <b>Sub-Total - New Assets</b>         | <b>0</b>                           | <b>0</b>           | <b>0</b>         | <b>0</b>         | <b>0</b>         | <b>0</b>        | <b>20,002,471</b>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>                         | <b>\$1,100,480</b> | <b>\$324,230</b> | <b>\$324,230</b> | <b>\$324,230</b> | <b>\$0</b>      | <b>\$20,324,701</b> |
| <b>Total FY 2018 Funding:</b>         |                                    | <b>\$1,100,480</b> |                  |                  |                  |                 |                     |

**PROJECT DETAIL: 2180-Flood Control Construction** **Category: 20%**

**Project:** 79004 - Local Drainage Problems (I) **Funding Source:** General Obligation Bonds

**Project Description:** Construct localized storm drain improvements to mitigate drainage and/or flooding problems. This is an ongoing program that typically addresses drainage problems in older neighborhoods, residential areas and extends existing storm drain systems.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|------------------|------------------|------------------|----------------|------------------|
| Design               | \$0              | \$30,000           | \$0              | \$0              | \$0              | \$0            | \$0              |
| Construction         | \$0              | \$1,000,000        | \$300,000        | \$300,000        | \$300,000        | \$0            | \$300,000        |
| Finance Charges      | \$0              | \$15,480           | \$4,530          | \$4,530          | \$4,530          | \$0            | \$4,530          |
| Engineering Charges  | \$0              | \$43,000           | \$14,700         | \$14,700         | \$14,700         | \$0            | \$14,700         |
| Arts                 | \$0              | \$10,000           | \$3,000          | \$3,000          | \$3,000          | \$0            | \$3,000          |
| Contingency          | \$0              | \$2,000            | \$2,000          | \$2,000          | \$2,000          | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$1,100,480</b> | <b>\$324,230</b> | <b>\$324,230</b> | <b>\$324,230</b> | <b>\$0</b>     | <b>\$322,230</b> |

**Operating Description:** Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.



**PROJECT DETAIL: 2180-Flood Control Construction** **Category: 20%**

**Project:** 79013 - Bethany Home SD, 79th-67th (N) **Funding Source:** General Obligation Bonds

**Project Description:** Construct storm drain pipe, inlets and other appurtenances in Bethany Home Road from 79th Avenue to 67th Avenue. Construction costs are to be shared with Maricopa County Flood Control District (50%). Total estimated project cost is \$10.3M. The funds in this account only reflect the City's portion. The project will include storm drain pipe, catch basins, and appurtenances.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$600,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$5,400,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$60,000           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$92,500           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$54,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$100,000          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$6,306,500</b> |

**Operating Description:** Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

**Project:** 79014 - 59th Ave & Thunderbird Rd SD (N) **Funding Source:** General Obligation Bonds

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

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Land                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$24,000           |
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$58,000           |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,700,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$29,666           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$48,345           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$17,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$116,000          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,993,011</b> |

**Operating Description:** No additional O and M is required for this project.



**PROJECT DETAIL: 2180-Flood Control Construction** **Category: 20%**

**Project:** T2910 - Bethany Home SD, 67th-58th (N) **Funding Source:** General Obligation Bonds

**Project Description:** Construct a storm drain in Bethany Home Road from 67th to 58th Avenues. Construction costs are to be shared with Maricopa County Flood Control District (50%). Total estimated project cost is \$8.9M. The funds in this account only reflect the City's portion (60%). The project will include storm drain pipe, catch basins, and appurtenances.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$480,000          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$4,680,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$51,600           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$92,500           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$46,800           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$100,000          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$5,450,900</b> |

**Operating Description:** Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

**Project:** T7901 - 83rd Ave BethanyHm to Camelbac (N) **Funding Source:** General Obligation Bonds

**Project Description:** Installation of storm drain in 83rd from Bethany Home Rd. to Camelback Rd. as identified in the Stormwater Management Plan

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$500,000          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,500,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$45,030           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$55,000           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$25,000           |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,125,030</b> |

**Operating Description:**

**Project:** T7902 - Camelback Rd. 51st to 58th (N) **Funding Source:** General Obligation Bonds

**Project Description:** Installation of storm drain Camelback Rd. from 51st to 58th Ave. Identified in the Stormwater Management Plan

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$500,000          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,500,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$45,030           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$55,000           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$25,000           |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,000            |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,127,030</b> |

**Operating Description:**



**FUND SUMMARY: 1600-DIF-Roadway Improvements** **Category: DIF**

|                                       |                                     | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u>  | <u>FY 2021:</u>  | <u>FY 2022:</u>    | <u>FYs 23-27:</u> |
|---------------------------------------|-------------------------------------|-----------------|--------------------|------------------|------------------|--------------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrlover</u> <u>New Funding</u> |                 |                    |                  |                  |                    |                   |
| <b>Existing Assets</b>                |                                     |                 |                    |                  |                  |                    |                   |
| <i>Improvement of Existing Assets</i> |                                     |                 |                    |                  |                  |                    |                   |
| 67814                                 | 59th & Olive Ave (1600)             | 0               | 713,766            | 0                | 0                | 0                  | 0                 |
| 67817                                 | *59th & Olive Ave (1602)            | 0               | 360,351            | 0                | 0                | 0                  | 0                 |
| 67818                                 | *59th & Olive Ave (1601)            | 0               | 773,149            | 0                | 0                | 0                  | 0                 |
| <i>Replacement of Existing Assets</i> |                                     |                 |                    |                  |                  |                    |                   |
| 67809                                 | DIF Update                          | 0               | 0                  | 34,553           | 0                | 0                  | 34,553            |
| T1805                                 | Bethany Hm 83rd -91st (1603)        | 0               | 0                  | 650,000          | 791,650          | 1,500,000          | 0                 |
| T1811                                 | 95th Avenue Extension (1601)        | 0               | 600,000            | 0                | 0                | 0                  | 0                 |
| <b>Sub-Total - Existing Assets</b>    |                                     | <b>0</b>        | <b>2,447,266</b>   | <b>684,553</b>   | <b>791,650</b>   | <b>1,500,000</b>   | <b>34,553</b>     |
| <b>Total Project Expenses:</b>        |                                     | <b>\$0</b>      | <b>\$2,447,266</b> | <b>\$684,553</b> | <b>\$791,650</b> | <b>\$1,500,000</b> | <b>\$34,553</b>   |
| <b>Total FY 2018 Funding:</b>         |                                     |                 | <b>\$2,447,266</b> |                  |                  |                    |                   |

**PROJECT DETAIL: 1600-DIF-Roadway Improvements** **Category: DIF**

**Project:** 67814 - 59th & Olive Ave (1600) (I) **Funding Source:** Development Impact Fees

**Project Description:** This project includes constructing improvements at the 59th and Olive avenues intersection. Improvements at the intersection include installation of turn lanes and bus bays.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$667,491        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$39,600         | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$6,675          | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$713,766</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** This project is to add capacity to the existing intersection. No additional O and M is anticipated based on current information.

**Project:** 67817\* - 59th & Olive Ave (1602) (I) **Funding Source:** Development Impact Fees

**Project Description:** This project includes relocation of utilities, purchase right-of-way and construct improvements at the 59th and Olive avenues intersection. Improvements at the intersection include installation of turn lanes and bus bays.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$360,351        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$360,351</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** This project is to add capacity to the existing intersection. No additional O and M is anticipated based on current information.



**PROJECT DETAIL: 1600-DIF-Roadway Improvements** **Category: DIF**

**Project:** 67818\* - 59th & Olive Ave (1601) (I) **Funding Source:** Development Impact Fees

**Project Description:** This project includes constructing improvements at the 59th and Olive avenues intersection. Intersection include installation of turn lanes and bus bays.

| Capital Costs | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------|------------|------------|------------|------------|
| Construction  | \$0        | \$773,149        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$773,149</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** This project is to add capacity to the existing intersection. No additional O and M is anticipated based on current information.

**Project:** 67809 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the roadway improvements

| Capital Costs       | Carryover  | FY 2018    | FY 2019         | FY 2020    | FY 2021    | FY 2022    | FYs 23-27       |
|---------------------|------------|------------|-----------------|------------|------------|------------|-----------------|
| Miscellaneous/Other | \$0        | \$0        | \$34,553        | \$0        | \$0        | \$0        | \$34,553        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$34,553</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$34,553</b> |

**Operating Description:**

**Project:** T1805 - Bethany Hm 83rd -91st (1603) (R) **Funding Source:** Development Impact Fees

**Project Description:** ROW Acquisition, design and construction of Bethany Home North of Center Line. (Stone Heaven development agreement).

| Capital Costs | Carryover  | FY 2018    | FY 2019          | FY 2020          | FY 2021            | FY 2022    | FYs 23-27  |
|---------------|------------|------------|------------------|------------------|--------------------|------------|------------|
| Land          | \$0        | \$0        | \$650,000        | \$641,650        | \$0                | \$0        | \$0        |
| Design        | \$0        | \$0        | \$0              | \$150,000        | \$0                | \$0        | \$0        |
| Construction  | \$0        | \$0        | \$0              | \$0              | \$1,500,000        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$650,000</b> | <b>\$791,650</b> | <b>\$1,500,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** T1811 - 95th Avenue Extension (1601) (R) **Funding Source:** Development Impact Fees

**Project Description:** Project will complete 95th Avenue between Camelback Road and Bethany Home Road. It will include, ROW acquisition, phase I environmental clearance, geotechnical investigation, utility coordination, survey and construction.

| Capital Costs | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------|------------|------------|------------|------------|
| Land          | \$0        | \$500,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Design        | \$0        | \$100,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$600,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 1520-DIF-Citywide Open Space** **Category: DIF**

|                                       | <u>FY 2018:</u>        | <u>FY 2019:</u>           | <u>FY 2020:</u> | <u>FY 2021:</u>  | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------------|---------------------------|-----------------|------------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <b><u>Carrvoer</u></b> | <b><u>New Funding</u></b> |                 |                  |                 |                   |
| <b>Existing Assets</b>                |                        |                           |                 |                  |                 |                   |
| <i>Improvement of Existing Assets</i> |                        |                           |                 |                  |                 |                   |
| 70455 *Thunderbird Park Imprvmts 1520 | 0                      | 0                         | 0               | 150,000          | 0               | 0                 |
| 70456 *T-Bird Park Mstr Plan 1520     | 0                      | 0                         | 34,944          | 0                | 0               | 0                 |
| 70457 Bike Park at Foothills Park     | 0                      | 139,157                   | 0               | 0                | 0               | 0                 |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>               | <b>139,157</b>            | <b>34,944</b>   | <b>150,000</b>   | <b>0</b>        | <b>0</b>          |
| <b>Total Project Expenses:</b>        | <b>\$0</b>             | <b>\$139,157</b>          | <b>\$34,944</b> | <b>\$150,000</b> | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>         |                        | <b>\$139,157</b>          |                 |                  |                 |                   |

**PROJECT DETAIL: 1520-DIF-Citywide Open Space** **Category: DIF**

**Project:** 70455\* - Thunderbird Park Imprvmts 1520 (I) **Funding Source:** Development Impact Fees

**Project Description:** Thunderbird Conservation Park continues to be one of the more popular facilities within the City of Glendale park system. With over 1,100 acres of undisturbed desert habitat, the ongoing maintenance of the existing eight main trails and the development of additional trails to meet the increasing demand is critical to maintaining the natural desert habitat.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| Construction         | \$0              | \$0            | \$0            | \$121,700        | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$0            | \$0            | \$12,000         | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$0            | \$0            | \$1,217          | \$0            | \$0            | \$0              |
| Contingency          | \$0              | \$0            | \$0            | \$15,083         | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$150,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**Project:** 70456\* - T-Bird Park Mstr Plan 1520 (I) **Funding Source:** Development Impact Fees

**Project Description:** This project will update and revise the existing Thunderbird Conservation Park master plan. This is partial funding of this project, the balance is being requested in Fund 2140 Open Space and Trails in the amount of

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|-----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$34,944        | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$34,944</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**



**PROJECT DETAIL: 1520-DIF-Citywide Open Space** **Category: DIF**

**Project:** 70457 - Bike Park at Foothills Park (I) **Funding Source:** Development Impact Fees

**Project Description:** This project request is to re-budget funding in 1520 DIF Citywide Open Spaces from Project #70454 Pasadena Park to a new project request for a bike park at Foothills Park. The new project request is to construct a bike park adjacent to the existing Sk8 Court at Foothills Park. The existing Sk8 court was designed and built as a skate only facility and the Recreation staff and Park Rangers regularly encounter bikes in the skate court. This request will meet a growing need for a bike facility in this area of the city, keep the existing skate only park safer and reduce additional damage that bikes cause in the skate only facility.

| Capital Costs | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------|------------|------------|------------|------------|
| Construction  | \$0        | \$120,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Contingency   | \$0        | \$19,157         | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$139,157</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**



**FUND SUMMARY: 1460-DIF-Citywide Parks** **Category: DIF**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>  | <u>New Funding</u> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Improvement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 72505 * Orangewood Vista 1460         | 0                | 226,536            | 0               | 0               | 0               | 0                 |
| <i>Sub-Total - Existing Assets</i>    | 0                | 226,536            | 0               | 0               | 0               | 0                 |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$226,536</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>         | <b>\$226,536</b> |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 1460-DIF-Citywide Parks** **Category: DIF**

**Project:** 72505\* - Orangewood Vista 1460 (I) **Funding Source:** Development Impact Fees

**Project Description:** This phase will involve developing a two - acre portion of the remaining undeveloped 10-acre joint-use neighborhood park. The improvements will include a concrete pathway, ramada, and landscape. The school and the joint-use park were constructed to address

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$210,536        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$13,895         | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$2,105          | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$226,536</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**



|   |                      |
|---|----------------------|
| <b>FUND SUMMARY: 1480-DIF-Citywide Rec Facility</b> | <b>Category: DIF</b> |
|---|----------------------|

|                                       | <u>Carrvoer</u> | <u>New Funding</u> | <u>FY 2018:</u>  | <u>FY 2019:</u> | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|-----------------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       |                 |                    |                  |                 |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                 |                    |                  |                 |                 |                 |                 |                   |
| <i>Improvement of Existing Assets</i> |                 |                    |                  |                 |                 |                 |                 |                   |
| 72808 *Thunderbird Park Imprvmt 1480  | 0               | 0                  | 123,514          | 0               | 0               | 0               | 0               | 0                 |
| <i>Replacement of Existing Assets</i> |                 |                    |                  |                 |                 |                 |                 |                   |
| 72801 DIF Update                      | 0               | 0                  | 3,469            | 0               | 0               | 0               | 0               | 3,469             |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>0</b>           | <b>126,983</b>   | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>3,469</b>      |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$0</b>         | <b>\$126,983</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$3,469</b>    |
| <b>Total FY 2018 Funding:</b>         | <b>\$0</b>      | <b>\$0</b>         |                  |                 |                 |                 |                 |                   |

|   |                      |
|---|----------------------|
| <b>PROJECT DETAIL: 1480-DIF-Citywide Rec Facility</b> | <b>Category: DIF</b> |
|---|----------------------|

**Project:** 72808\* - Thunderbird Park Imprvmt 1480 (I) **Funding Source:** Development Impact Fees

**Project Description:** This project will provide funding for the development, construction and installation of park amenities and improvements. These amenities/improvements are in response to the growth in park visitors and users. This project complies with the City Council 2011 approved Parks and Recreation Master Plan secondary action plan recommended major areas of focus according to the priorities and interests of the community to "Enhance and improve Thunderbird Conservation Park".

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$0            | \$110,410        | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$0            | \$12,000         | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$0            | \$1,104          | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$123,514</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**Project:** 72801 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the citywide recreation

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$3,469        | \$0            | \$0            | \$0            | \$3,469          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$3,469</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,469</b>   |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 1540-DIF-Park Dev Zone 1** **Category: DIF**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <b>Carrvoer</b>  | <b>New Funding</b> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Improvement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 73104 Oranewood Vista 1540            | 0                | 124,085            | 0               | 0               | 0               | 0                 |
| <i>Replacement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 73102 DIF Update                      | 0                | 0                  | 3,469           | 0               | 0               | 3,469             |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>         | <b>124,085</b>     | <b>3,469</b>    | <b>0</b>        | <b>0</b>        | <b>3,469</b>      |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$124,085</b>   | <b>\$3,469</b>  | <b>\$0</b>      | <b>\$0</b>      | <b>\$3,469</b>    |
| <b>Total FY 2018 Funding:</b>         | <b>\$124,085</b> |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 1540-DIF-Park Dev Zone 1** **Category: DIF**

**Project:** 73104 - Oranewood Vista 1540 (I) **Funding Source:** Development Impact Fees

**Project Description:** This phase will involve developing a two-acre portion of the remaining undeveloped 10-acre joint-use neighborhood park. The improvements will include a concrete pathway, ramada, and landscape. The school and the joint-use park were constructed to address the growth in the area and the increasing student enrollment in the neighboring schools in the Glendale Elementary School District. The service area for this joint-use park is without a neighborhood ramada and concrete walkways. The ramada, concrete pathway, and surrounding ground stabilization are the highest priorities. This project has additional funding in fund 1460 in the amount of \$225,987.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Design               | \$0              | \$5,500          | \$0            | \$0            | \$0            | \$0            | \$0              |
| Construction         | \$0              | \$106,520        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$11,000         | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$1,065          | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$124,085</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** No additional O and M is needed for this project. Ramada cleaning would simply be incorporated into the park maintenance routine.

**Project:** 73102 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the neighborhood parks z

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$3,469        | \$0            | \$0            | \$0            | \$3,469          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$3,469</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,469</b>   |

**Operating Description:**



**FUND SUMMARY: 1560-DIF-Park Dev Zone 2** **Category: DIF**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>  | <u>New Funding</u> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Improvement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 73404 Paseo Linear Park Additions     | 0                | 165,438            | 0               | 0               | 0               | 0                 |
| <i>Replacement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 73403 DIF Update                      | 0                | 0                  | 3,469           | 0               | 0               | 3,469             |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>         | <i>165,438</i>     | <i>3,469</i>    | <i>0</i>        | <i>0</i>        | <i>3,469</i>      |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$165,438</b>   | <b>\$3,469</b>  | <b>\$0</b>      | <b>\$0</b>      | <b>\$3,469</b>    |
| <b>Total FY 2018 Funding:</b>         | <b>\$165,438</b> |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 1560-DIF-Park Dev Zone 2** **Category: DIF**

**Project:** 73404 - Paseo Linear Park Additions (I) **Funding Source:** Development Impact Fees

**Project Description:** Additional amenities consist of accommodating community growth by expanding the multi-use path, adding pathway pullout nodes to relieve congestion and add additional active recreation play elements.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$137,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$12,000         | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$1,370          | \$0            | \$0            | \$0            | \$0            | \$0              |
| Contingency          | \$0              | \$15,068         | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$165,438</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** No additional O and M is needed for these projects.

**Project:** 73403 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the neighborhood parks z

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$3,469        | \$0            | \$0            | \$0            | \$3,469          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$3,469</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,469</b>   |

**Operating Description:**



**FUND SUMMARY: 1580-DIF-Park Dev Zone 3** **Category: DIF**

|                                 | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b> | <u>Carrvoer</u> | <u>New Funding</u> |                 |                 |                 |                   |
| <b>New Assets</b>               |                 |                    |                 |                 |                 |                   |
| 0                               |                 |                    |                 |                 |                 |                   |
| 73702 DIF Update                | 0               | 0                  | 3,469           | 0               | 0               | 3,469             |
| <b>Sub-Total - New Assets</b>   | 0               | 0                  | 3,469           | 0               | 0               | 3,469             |
| <b>Total Project Expenses:</b>  | <b>\$0</b>      | <b>\$0</b>         | <b>\$3,469</b>  | <b>\$0</b>      | <b>\$0</b>      | <b>\$3,469</b>    |
| <b>Total FY 2018 Funding:</b>   | <b>\$0</b>      |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 1580-DIF-Park Dev Zone 3** **Category: DIF**

**Project:** 73702 - DIF Update (N) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the neighborhood parks z

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$3,469        | \$0            | \$0            | \$0            | \$3,469          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$3,469</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,469</b>   |

**Operating Description:**



**FUND SUMMARY: 1380-DIF-Library Buildings** **Category: DIF**

|                                  |                 | <u>FY 2018:</u>    | <u>FY 2019:</u> | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|----------------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>  | <u>Carrover</u> | <u>New Funding</u> |                 |                 |                 |                 |                   |
| <b>New Assets</b>                |                 |                    |                 |                 |                 |                 |                   |
| 0                                |                 |                    |                 |                 |                 |                 |                   |
| 74252 *Western Area Library 1380 | 0               | 1,755,029          | 0               | 0               | 0               | 0               | 0                 |
| <b>Sub-Total - New Assets</b>    | 0               | 1,755,029          | 0               | 0               | 0               | 0               | 0                 |
| <b>Total Project Expenses:</b>   | <b>\$0</b>      | <b>\$1,755,029</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>    |                 | <b>\$1,755,029</b> |                 |                 |                 |                 |                   |

**PROJECT DETAIL: 1380-DIF-Library Buildings** **Category: DIF**

**Project:** 74252\* - Western Area Library 1380 (N) **Funding Source:** Development Impact Fees

**Project Description:** In October 2014 and after review by the Library Advisory Board and staff, Council provided direction to develop conceptual designs for the possible location of a Western Area Branch Library at either Heroes Regional Park or on the third/fourth floors of the Glendale Media Center. Regardless of its location, the facility would be 7500- 8000 square feet in size and would result in library services provided to this geographic area of Glendale. Should the Council provide direction to move forward with this project, this is a specific "placeholder" request that would provide funding for full design and construction beginning in FY 16-17 and carry into FY 17-18. This project is also funded in fund 1500 in the amount of \$1,370,549.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$1,380,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$49,680           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$13,800           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Contingency          | \$0              | \$311,549          | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$1,755,029</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** O&M is included in project Western Area Library 1500.

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 1500-DIF-Libraries** **Category: DIF**

|                                       | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>  | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|--------------------|--------------------|------------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>    | <u>New Funding</u> |                  |                 |                 |                   |
| <b>Existing Assets</b>                |                    |                    |                  |                 |                 |                   |
| <i>Replacement of Existing Assets</i> |                    |                    |                  |                 |                 |                   |
| 74752 DIF Update                      | 0                  | 0                  | 17,563           | 0               | 0               | 17,563            |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>           | <b>0</b>           | <b>17,563</b>    | <b>0</b>        | <b>0</b>        | <b>17,563</b>     |
| <b>New Assets</b>                     |                    |                    |                  |                 |                 |                   |
| <b>0</b>                              |                    |                    |                  |                 |                 |                   |
| 74751 Library Books - Pop. Growth     | 0                  | 310,000            | 135,029          | 0               | 0               | 0                 |
| 74755 *Western Area Library 1500      | 0                  | 1,046,549          | 0                | 0               | 0               | 0                 |
| <b>Sub-Total - New Assets</b>         | <b>0</b>           | <b>1,356,549</b>   | <b>135,029</b>   | <b>0</b>        | <b>0</b>        | <b>0</b>          |
| <b>Total Project Expenses:</b>        | <b>\$0</b>         | <b>\$1,356,549</b> | <b>\$152,592</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$17,563</b>   |
| <b>Total FY 2018 Funding:</b>         | <b>\$1,356,549</b> |                    |                  |                 |                 |                   |

**PROJECT DETAIL: 1500-DIF-Libraries** **Category: DIF**

**Project:** 74752 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the library portion of t

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|-----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$17,563        | \$0            | \$0            | \$0            | \$17,563         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$17,563</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$17,563</b>  |

**Operating Description:**

**Project:** 74751 - Library Books - Pop. Growth (N) **Funding Source:** Development Impact Fees

**Project Description:** This project requests the use of collected DIF to continue the phased-in approach of increasing the number of library material at the three Glendale libraries using remaining DIF balance previously collected during the high-growth phase of Glendale.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|------------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$310,000        | \$135,029        | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$310,000</b> | <b>\$135,029</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** No additional O and M is needed for this project.



**PROJECT DETAIL: 1500-DIF-Libraries**

**Category: DIF**

**Project:** 74755\* - Western Area Library 1500 (N)

**Funding Source:** Development Impact Fees

**Project Description:**

In October 2014 and after review by the Library Advisory Board and staff, Council provided direction to develop conceptual designs for the possible location of a Western Area Branch Library at either Heroes Regional Park or on the third/fourth floors of the Glendale Media Center. Regardless of its location, the facility would be 7500- 8000 square feet in size and would result in library services provided to this geographic area of Glendale. Should the Council provide direction to move forward with this project, this is a specific "placeholder" request that would provide funding for full design and construction beginning in FY 16-17 and carry into FY 17-18. This project is also funded in fund 1380 in the amount of \$1,755,029.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$1,003,861        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$32,649           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$10,039           | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$1,046,549</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

It is estimated O&M for this project is \$600,000 which includes 8.5 FTE's for a 40 hour per week operation. The ongoing O&M impact will be recalculated as a part of the final analysis of this potential project.



**FUND SUMMARY: 1420-DIF-Fire Protection Facilities** **Category: DIF**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvover</u> | <u>New Funding</u> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Replacement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 77001 DIF Update                      | 0                | 0                  | 15,654          | 0               | 0               | 15,654            |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>         | <i>0</i>           | <i>15,654</i>   | <i>0</i>        | <i>0</i>        | <i>15,654</i>     |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$0</b>         | <b>\$15,654</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$15,654</b>   |
| <b>Total FY 2018 Funding:</b>         | <b>\$0</b>       |                    |                 |                 |                 |                   |

**PROJECT DETAIL: 1420-DIF-Fire Protection Facilities** **Category: DIF**

**Project:** 77001 - DIF Update (R) **Funding Source:** Development Impact Fees

**Project Description:** Development impact fee studies are required to be updated a minimum of every five years. The new fees are expected to take effect July 1, 2014. DIF legislation allows for fees collected to fund the DIF studies and updates. This is the fire facilities port

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|-----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$15,654        | \$0            | \$0            | \$0            | \$15,654         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$15,654</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$15,654</b>  |

**Operating Description:**



**FUND SUMMARY: 2360-Water & Sewer** **Category: Revenue**

|                                       |                                    | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u>     | <u>FY 2021:</u>     | <u>FY 2022:</u>     | <u>FYs 23-27:</u>  |
|---------------------------------------|------------------------------------|-----------------|--------------------|---------------------|---------------------|---------------------|--------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> <u>New Funding</u> |                 |                    |                     |                     |                     |                    |
| <b>Existing Assets</b>                |                                    |                 |                    |                     |                     |                     |                    |
| <i>Improvement of Existing Assets</i> |                                    |                 |                    |                     |                     |                     |                    |
| 60007                                 | Arrwhd Wtr Reclam Fac Imps         | 0               | 3,308,412          | 7,038,526           | 8,853,062           | 9,300,000           | 0                  |
| 60008                                 | WAWRF Phase IV                     | 0               | 600,000            | 500,000             | 500,000             | 500,000             | 0                  |
| 60016                                 | West Area WRF Improvements         | 0               | 3,500,000          | 4,800,000           | 6,300,000           | 6,000,000           | 6,100,000          |
| <i>Replacement of Existing Assets</i> |                                    |                 |                    |                     |                     |                     |                    |
| 60014                                 | SCADA Study & Replacement          | 0               | 450,000            | 300,000             | 0                   | 0                   | 0                  |
| T1815                                 | Vehicle Replacement                | 0               | 750,000            | 750,000             | 500,000             | 500,000             | 500,000            |
| <i>Sub-Total - Existing Assets</i>    |                                    | 0               | 8,608,412          | 13,388,526          | 16,153,062          | 16,300,000          | 6,600,000          |
| <b>New Assets</b>                     |                                    |                 |                    |                     |                     |                     |                    |
| 0                                     |                                    |                 |                    |                     |                     |                     |                    |
| 60015                                 | Asset Mangement Program            | 0               | 300,000            | 1,500,000           | 1,200,000           | 300,000             | 0                  |
| 60017                                 | Integrated Water Master Plan       | 0               | 0                  | 2,000,000           | 500,000             | 0                   | 0                  |
| 60018                                 | *Laboratory Equipment              | 0               | 80,000             | 120,000             | 0                   | 0                   | 0                  |
| <i>Sub-Total - New Assets</i>         |                                    | 0               | 380,000            | 3,620,000           | 1,700,000           | 300,000             | 0                  |
| <b>Total Project Expenses:</b>        |                                    | <b>\$0</b>      | <b>\$8,988,412</b> | <b>\$17,008,526</b> | <b>\$17,853,062</b> | <b>\$16,600,000</b> | <b>\$6,600,000</b> |
| <b>Total FY 2018 Funding:</b>         |                                    |                 | <b>\$8,988,412</b> |                     |                     |                     |                    |

**PROJECT DETAIL: 2360-Water & Sewer** **Category: Revenue**

**Project:** 60007 - Arrwhd Wtr Reclam Fac Imps (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replace and improve headworks, sand filters, odor control, fiber optics, clarifiers, civil, mechanical and electrical components at the Arrowhead Ranch Water Reclamation Facility. The construction and cash flow period to continue over the next three years

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u>     | <u>FY 2020</u>     | <u>FY 2021</u>     | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|--------------------|--------------------|--------------------|----------------|------------------|
| Design               | \$0              | \$230,000          | \$383,500          | \$484,250          | \$507,000          | \$0            | \$0              |
| Construction         | \$0              | \$2,700,000        | \$5,900,000        | \$7,400,000        | \$7,800,000        | \$0            | \$0              |
| Engineering Charges  | \$0              | \$81,412           | \$106,026          | \$154,812          | \$135,000          | \$0            | \$0              |
| Arts                 | \$0              | \$27,000           | \$59,000           | \$74,000           | \$78,000           | \$0            | \$0              |
| Contingency          | \$0              | \$270,000          | \$590,000          | \$740,000          | \$780,000          | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$3,308,412</b> | <b>\$7,038,526</b> | <b>\$8,853,062</b> | <b>\$9,300,000</b> | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**



**PROJECT DETAIL: 2360-Water & Sewer**

**Category: Revenue**

**Project: 60008 - WAWRF Phase IV (I)**

**Funding Source:** Water & Sewer Revenues

**Project Description:** Design and construct improvements and rehabilitation to the odor control and disinfection system as identified in the West Area Water Reclamation Facility Phase IV Master Plan.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------------|------------------|------------------|------------|------------|
| Construction        | \$0        | \$510,000        | \$420,000        | \$420,000        | \$420,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$33,900         | \$33,800         | \$33,800         | \$33,800         | \$0        | \$0        |
| Arts                | \$0        | \$5,100          | \$4,200          | \$4,200          | \$4,200          | \$0        | \$0        |
| Contingency         | \$0        | \$51,000         | \$42,000         | \$42,000         | \$42,000         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$600,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project: 60016 - West Area WRF Improvements (I)**

**Funding Source:** Water & Sewer Revenues

**Project Description:** Evaluate, design and construct improvements to all process areas at the West Area WRF and raw sewage pump station (RSPS). To include improvements to civil, mechanical, plumbing, and electrical systems to continue to produce A+ effluent for reuse and recharge storage.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021            | FY 2022            | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------|
| Design              | \$0        | \$315,000          | \$382,750          | \$480,000          | \$470,375          | \$570,375          | \$0        |
| Construction        | \$0        | \$2,800,000        | \$3,900,000        | \$5,100,000        | \$4,900,000        | \$4,900,000        | \$0        |
| Engineering Charges | \$0        | \$77,000           | \$88,250           | \$159,000          | \$90,625           | \$90,625           | \$0        |
| Arts                | \$0        | \$28,000           | \$39,000           | \$51,000           | \$49,000           | \$49,000           | \$0        |
| Contingency         | \$0        | \$280,000          | \$390,000          | \$510,000          | \$490,000          | \$490,000          | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,500,000</b> | <b>\$4,800,000</b> | <b>\$6,300,000</b> | <b>\$6,000,000</b> | <b>\$6,100,000</b> | <b>\$0</b> |

**Operating Description:**

**Project: 60014 - SCADA Study & Replacement (R)**

**Funding Source:** Water & Sewer Revenues

**Project Description:** Study alternative information and communication systems to develop a plan for improvements and upgrade to new technologies to increase functionality of the Supervisory Control and Data Acquisition (SCADA) system. The system gathers process data for monitoring and controlling the treatment processes.

| Capital Costs | Carryover  | FY 2018          | FY 2019          | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------------|------------|------------|------------|------------|
| Equipment     | \$0        | \$450,000        | \$300,000        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$450,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**



**PROJECT DETAIL: 2360-Water & Sewer** **Category: Revenue**

**Project:** T1815 - Vehicle Replacement (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replacement of vehicles, trucks, and excavation equipment.

| Capital Costs | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------|------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Equipment     | \$0        | \$750,000        | \$750,000        | \$500,000        | \$500,000        | \$500,000        | \$2,500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$750,000</b> | <b>\$750,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$2,500,000</b> |

**Operating Description:**

**Project:** 60015 - Asset Mangement Program (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Study the current asset management information system functions and operational needs. Procure new management system and implement.

| Capital Costs       | Carryover  | FY 2018          | FY 2019            | FY 2020            | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|--------------------|--------------------|------------------|------------|------------|
| Miscellaneous/Other | \$0        | \$300,000        | \$1,500,000        | \$1,200,000        | \$300,000        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$300,000</b> | <b>\$1,500,000</b> | <b>\$1,200,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 60017 - Integrated Water Master Plan (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Conduct a comprehensive study to update the 2003 Water plan as amended in 2008 by the Groundwater plan; 2008 Wastewater plan; and the 2011 Stormwater Management plan and review the reclaimed water resources and use, facilities capacity, and infrastructure needs to serve the City of Glendale now and in the future. Then integrate into a Water Master Plan.

| Capital Costs       | Carryover  | FY 2018    | FY 2019            | FY 2020          | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|--------------------|------------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$0        | \$2,000,000        | \$500,000        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$2,000,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed at this time.

**Project:** 60018\* - Laboratory Equipment (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replace aging ion chromatograph and deionized water system.

| Capital Costs | Carryover  | FY 2018         | FY 2019          | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|-----------------|------------------|------------|------------|------------|------------|
| Equipment     | \$0        | \$80,000        | \$120,000        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$80,000</b> | <b>\$120,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2400-Water** **Category: Revenue**

|                                       |                                | <u>FY 2018:</u>    | <u>FY 2019:</u>     | <u>FY 2020:</u>     | <u>FY 2021:</u>     | <u>FY 2022:</u>     | <u>FYs 23-27:</u>  |                     |
|---------------------------------------|--------------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u>                | <u>New Funding</u> |                     |                     |                     |                     |                    |                     |
| <b>Existing Assets</b>                |                                |                    |                     |                     |                     |                     |                    |                     |
| <i>Improvement of Existing Assets</i> |                                |                    |                     |                     |                     |                     |                    |                     |
| 61023                                 | Water System Security          | 0                  | 150,000             | 150,000             | 150,000             | 150,000             | 500,000            |                     |
| 61024                                 | Cholla Water Plant Process Imp | 0                  | 3,550,000           | 7,602,099           | 15,200,000          | 3,000,000           | 6,100,000          |                     |
| 61043                                 | Pyramid Peak WTP Process Imp.  | 0                  | 3,087,139           | 4,775,302           | 6,164,517           | 7,700,000           | 6,100,000          |                     |
| 61045                                 | Thunderbird Reservoir Misc. Im | 0                  | 600,000             | 500,000             | 1,250,000           | 0                   | 0                  |                     |
| 61047                                 | Citywide Meter Vault Imp       | 0                  | 1,150,000           | 850,000             | 600,000             | 400,000             | 0                  |                     |
| 61049                                 | Zone 3 Water Supply Imp.       | 0                  | 1,000,000           | 250,000             | 0                   | 600,000             | 0                  |                     |
| 61054                                 | Distrib Sys Imprv - Citywide   | 0                  | 500,000             | 500,000             | 500,000             | 500,000             | 0                  |                     |
| 61055                                 | Oasis WTP Improvements         | 0                  | 1,000,000           | 1,500,000           | 500,000             | 0                   | 7,000,000          |                     |
| 61060                                 | *67th Ave Water line improv    | 0                  | 0                   | 600,000             | 1,000,000           | 500,000             | 0                  |                     |
| <i>Replacement of Existing Assets</i> |                                |                    |                     |                     |                     |                     |                    |                     |
| 61001                                 | Fire Hydrant Replacement       | 0                  | 1,350,000           | 850,000             | 0                   | 0                   | 0                  |                     |
| 61013                                 | Water Line Replacement         | 0                  | 3,000,000           | 2,000,000           | 1,500,000           | 0                   | 0                  |                     |
| 61048                                 | City Wide Well Rehab           | 0                  | 1,000,000           | 1,350,000           | 1,000,000           | 950,000             | 0                  |                     |
| T1813                                 | Water Supply Redundancy        | 0                  | 0                   | 500,000             | 0                   | 0                   | 0                  |                     |
| T1814                                 | Water Capital Equipment        | 0                  | 1,000,000           | 2,000,000           | 1,000,000           | 0                   | 0                  |                     |
| <b>Sub-Total - Existing Assets</b>    |                                | <b>0</b>           | <b>17,387,139</b>   | <b>23,427,401</b>   | <b>28,864,517</b>   | <b>13,800,000</b>   | <b>2,150,000</b>   | <b>19,700,000</b>   |
| <b>New Assets</b>                     |                                |                    |                     |                     |                     |                     |                    |                     |
| <b>0</b>                              |                                |                    |                     |                     |                     |                     |                    |                     |
| 61019                                 | Storage and Recovery Well      | 0                  | 0                   | 0                   | 700,000             | 700,000             | 2,900,000          | 3,000,000           |
| 61027                                 | Water Line Extension           | 0                  | 0                   | 300,000             | 650,000             | 500,000             | 0                  | 0                   |
| 61038                                 | Loop 101 Water Treatment Plant | 0                  | 0                   | 0                   | 0                   | 0                   | 0                  | 43,023,225          |
| 61051                                 | Accural of Long-term Water Sto | 0                  | 600,000             | 600,000             | 700,000             | 700,000             | 500,000            | 2,500,000           |
| 61052                                 | Recharge Storage Assessment    | 0                  | 400,000             | 0                   | 600,000             | 800,000             | 0                  | 0                   |
| 61056                                 | White Mtn Apache Water Rights  | 0                  | 3,500,000           | 3,500,000           | 0                   | 0                   | 0                  | 0                   |
| 61058                                 | *Pyramid Peak WTP 15MGD Exp.   | 0                  | 1,914,287           | 10,227,057          | 27,793,628          | 12,627,840          | 0                  | 0                   |
| <b>Sub-Total - New Assets</b>         |                                | <b>0</b>           | <b>6,414,287</b>    | <b>14,627,057</b>   | <b>30,443,628</b>   | <b>15,327,840</b>   | <b>3,400,000</b>   | <b>48,523,225</b>   |
| <b>Total Project Expenses:</b>        |                                | <b>\$0</b>         | <b>\$23,801,426</b> | <b>\$38,054,458</b> | <b>\$59,308,145</b> | <b>\$29,127,840</b> | <b>\$5,550,000</b> | <b>\$68,223,225</b> |
| <b>Total FY 2018 Funding:</b>         |                                |                    | <b>\$23,801,426</b> |                     |                     |                     |                    |                     |

**PROJECT DETAIL: 2400-Water** **Category: Revenue**



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project: 61023 - Water System Security (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Installation of equipment citywide to further enhance security of the city's water supply, treatment plants, and distribution system.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27        |
|---------------------|------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Design              | \$0        | \$125,000        | \$0              | \$0              | \$0              | \$0              | \$0              |
| Construction        | \$0        | \$0              | \$125,000        | \$125,000        | \$125,000        | \$125,000        | \$500,000        |
| Engineering Charges | \$0        | \$25,000         | \$11,250         | \$11,250         | \$11,250         | \$11,250         | \$0              |
| Arts                | \$0        | \$0              | \$1,250          | \$1,250          | \$1,250          | \$1,250          | \$0              |
| Contingency         | \$0        | \$0              | \$12,500         | \$12,500         | \$12,500         | \$12,500         | \$0              |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$150,000</b> | <b>\$150,000</b> | <b>\$150,000</b> | <b>\$150,000</b> | <b>\$150,000</b> | <b>\$500,000</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project: 61024 - Cholla Water Plant Process Imp (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Improve and rehabilitate all process areas and key component systems throughout the treatment plant, administration building, reservoir, and at the booster station.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020             | FY 2021            | FY 2022    | FYs 23-27          |
|---------------------|------------|--------------------|--------------------|---------------------|--------------------|------------|--------------------|
| Design              | \$0        | \$310,000          | \$447,000          | \$1,258,000         | \$325,000          | \$0        | \$1,000,000        |
| Construction        | \$0        | \$2,800,000        | \$6,400,000        | \$12,200,000        | \$2,500,000        | \$0        | \$5,000,000        |
| Engineering Charges | \$0        | \$132,000          | \$108,699          | \$150,000           | \$150,000          | \$0        | \$38,333           |
| Arts                | \$0        | \$28,000           | \$6,400            | \$122,000           | \$25,000           | \$0        | \$50,000           |
| Contingency         | \$0        | \$280,000          | \$640,000          | \$1,470,000         | \$0                | \$0        | \$0                |
| Miscellaneous/Other | \$0        | \$0                | \$0                | \$0                 | \$0                | \$0        | \$11,667           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,550,000</b> | <b>\$7,602,099</b> | <b>\$15,200,000</b> | <b>\$3,000,000</b> | <b>\$0</b> | <b>\$6,100,000</b> |

**Operating Description:**

**Project: 61043 - Pyramid Peak WTP Process Imp. (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Improve and rehabilitate all process areas and key component systems throughout the treatment plant. Construct chlorine gas generation facility in last five years to replace use of 1-ton containers. City of Peoria shares in the capital and operating costs of the plant. They will fund 23% of the total costs.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021            | FY 2022            | FYs 23-27          |
|---------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Design              | \$0        | \$189,000          | \$724,052          | \$267,159          | \$686,000          | \$226,250          | \$950,000          |
| Construction        | \$0        | \$2,580,000        | \$3,500,000        | \$5,250,000        | \$6,200,000        | \$1,500,000        | \$5,000,000        |
| Finance Charges     | \$0        | \$0                | \$0                | \$0                | \$0                | \$0                | \$33,889           |
| Engineering Charges | \$0        | \$34,339           | \$166,250          | \$69,858           | \$132,000          | \$108,750          | \$52,838           |
| Arts                | \$0        | \$25,800           | \$35,000           | \$52,500           | \$62,000           | \$15,000           | \$50,000           |
| Contingency         | \$0        | \$258,000          | \$350,000          | \$525,000          | \$620,000          | \$150,000          | \$0                |
| Miscellaneous/Other | \$0        | \$0                | \$0                | \$0                | \$0                | \$0                | \$13,273           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,087,139</b> | <b>\$4,775,302</b> | <b>\$6,164,517</b> | <b>\$7,700,000</b> | <b>\$2,000,000</b> | <b>\$6,100,000</b> |

**Operating Description:** No additional O and M is required for this project.



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project:** 61045 - Thunderbird Reservoir Misc. Im (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** The project includes a study to evaluate alternatives for enhancing water quality and the feasibility of adding 3-phase power at the Thunderbird Reservoir. Once the study is completed, design and construction of the recommended improvements are projected to proceed.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020            | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------------|--------------------|------------|------------|------------|
| Design              | \$0        | \$47,500         | \$45,000         | \$77,000           | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$475,000        | \$385,000        | \$1,025,000        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$25,500         | \$27,650         | \$44,475           | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$4,500          | \$3,850          | \$1,025            | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$47,500         | \$38,500         | \$102,500          | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$600,000</b> | <b>\$500,000</b> | <b>\$1,250,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 61047 - Citywide Meter Vault Imp (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** Improve meter vault access per the city's design standards and rehabilitate, as needed, vault structure to meet safety requirements. Improve 124 vaults in four phases over multiple years.

| Capital Costs       | Carryover  | FY 2018            | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|------------------|------------------|------------------|------------|------------|
| Design              | \$0        | \$0                | \$200,000        | \$0              | \$0              | \$0        | \$0        |
| Construction        | \$0        | \$1,000,000        | \$522,000        | \$547,200        | \$348,950        | \$0        | \$0        |
| Engineering Charges | \$0        | \$40,000           | \$23,000         | \$23,000         | \$23,000         | \$0        | \$0        |
| Arts                | \$0        | \$10,000           | \$5,000          | \$5,500          | \$3,750          | \$0        | \$0        |
| Contingency         | \$0        | \$100,000          | \$100,000        | \$24,300         | \$24,300         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,150,000</b> | <b>\$850,000</b> | <b>\$600,000</b> | <b>\$400,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 61049 - Zone 3 Water Supply Imp. (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** Rehabilitate specific portions of large water transmission main and related valves at 67th Avenue and Deer Valley Road and make improvements at the Hillcrest booster station to add reliability and redundancy within pressure Zone 2 and Zone 3 of the distribution system.

| Capital Costs       | Carryover  | FY 2018            | FY 2019          | FY 2020    | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|------------------|------------|------------------|------------|------------|
| Design              | \$0        | \$80,000           | \$226,500        | \$0        | \$0              | \$0        | \$0        |
| Construction        | \$0        | \$800,000          | \$0              | \$0        | \$525,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$32,000           | \$23,500         | \$0        | \$17,250         | \$0        | \$0        |
| Arts                | \$0        | \$8,000            | \$0              | \$0        | \$5,250          | \$0        | \$0        |
| Contingency         | \$0        | \$80,000           | \$0              | \$0        | \$52,500         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$250,000</b> | <b>\$0</b> | <b>\$600,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed at this time.



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project: 61054 - Distrib Sys Imprv - Citywide (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Replace and rehabilitate pressure reduction valves, water instrumentation, flow meters, and transmission mains connections. Develop a citywide water modeling plan for the water distribution system.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------------|------------------|------------------|------------|------------|
| Design              | \$0        | \$475,000        | \$0              | \$0              | \$0              | \$0        | \$0        |
| Construction        | \$0        | \$0              | \$425,000        | \$425,000        | \$425,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$25,000         | \$28,250         | \$28,250         | \$28,250         | \$0        | \$0        |
| Arts                | \$0        | \$0              | \$4,250          | \$4,250          | \$4,250          | \$0        | \$0        |
| Contingency         | \$0        | \$0              | \$42,500         | \$42,500         | \$42,500         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project: 61055 - Oasis WTP Improvements (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Study both the surface and groundwater treatment plants' condition. Design and construct efficiency and operation upgrades. Replace filter underdrain infrastructure and make improvements to booster pump station. Replace brine ponds in FY2022-23.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020          | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|--------------------|--------------------|------------------|------------|------------|--------------------|
| Design              | \$0        | \$72,000           | \$87,500           | \$0              | \$0        | \$0        | \$1,200,000        |
| Construction        | \$0        | \$800,000          | \$1,250,000        | \$0              | \$0        | \$0        | \$5,500,000        |
| Finance Charges     | \$0        | \$0                | \$0                | \$0              | \$0        | \$0        | \$32,881           |
| Engineering Charges | \$0        | \$40,000           | \$25,000           | \$0              | \$0        | \$0        | \$68,861           |
| Arts                | \$0        | \$8,000            | \$12,500           | \$0              | \$0        | \$0        | \$55,000           |
| Contingency         | \$0        | \$80,000           | \$125,000          | \$0              | \$0        | \$0        | \$0                |
| Miscellaneous/Other | \$0        | \$0                | \$0                | \$500,000        | \$0        | \$0        | \$143,258          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$1,500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,000,000</b> |

**Operating Description:**

**Project: 61060\* - 67th Ave Water line improv (I)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Assess and rehabilitate water lines and connections south of Jomax along 67th Avenue.

| Capital Costs       | Carryover  | FY 2018    | FY 2019          | FY 2020            | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|------------------|--------------------|------------------|------------|------------|
| Design              | \$0        | \$0        | \$150,000        | \$0                | \$0              | \$0        | \$0        |
| Construction        | \$0        | \$0        | \$0              | \$875,000          | \$424,001        | \$0        | \$0        |
| Engineering Charges | \$0        | \$0        | \$45,000         | \$28,750           | \$28,250         | \$0        | \$0        |
| Arts                | \$0        | \$0        | \$15,000         | \$8,750            | \$5,249          | \$0        | \$0        |
| Contingency         | \$0        | \$0        | \$0              | \$87,500           | \$42,500         | \$0        | \$0        |
| Miscellaneous/Other | \$0        | \$0        | \$390,000        | \$0                | \$0              | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$600,000</b> | <b>\$1,000,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project:** 61001 - Fire Hydrant Replacement (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Program to replace or rehabilitate approximately 290 fire hydrant and 260 water valves annually. Within the distribution system, there are over 8,400 fire hydrants and 24,000 water valves. Priority is determined by age and loss of function.

| Capital Costs       | Carryover  | FY 2018            | FY 2019          | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|------------------|------------|------------|------------|------------|
| Design              | \$0        | \$216,000          | \$85,000         | \$0        | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$1,000,000        | \$660,000        | \$0        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$33,000           | \$32,400         | \$0        | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$1,000            | \$6,600          | \$0        | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$100,000          | \$66,000         | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,350,000</b> | <b>\$850,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 61013 - Water Line Replacement (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Program to rehabilitate large diameter water lines as identified in the Water Distribution System Evaluation Study conducted by CH2M-Hill. There are four locations citywide that will be rehabilitated over the next four years. New study will evaluate next rehabilitation locations for future years.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|--------------------|------------|------------|------------|
| Design              | \$0        | \$0                | \$130,650          | \$90,000           | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$2,700,000        | \$1,650,000        | \$1,237,500        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$27,000           | \$37,850           | \$36,625           | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$3,000            | \$16,500           | \$12,375           | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$270,000          | \$165,000          | \$123,500          | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$2,000,000</b> | <b>\$1,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 61048 - City Wide Well Rehab (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Evaluate existing groundwater wells and rehabilitate and improve the equipment to maintain high water quality and delivery service to meet the demand within the water distribution system.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|--------------------|------------------|------------|------------|
| Design              | \$0        | \$0                | \$79,500           | \$88,800           | \$62,000         | \$0        | \$0        |
| Construction        | \$0        | \$865,000          | \$1,100,000        | \$785,000          | \$800,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$39,850           | \$49,500           | \$39,850           | \$0              | \$0        | \$0        |
| Arts                | \$0        | \$8,650            | \$11,000           | \$7,850            | \$8,000          | \$0        | \$0        |
| Contingency         | \$0        | \$86,500           | \$110,000          | \$78,500           | \$80,000         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$1,350,000</b> | <b>\$1,000,000</b> | <b>\$950,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project:** T1813 - Water Supply Redundancy (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Water Supply Redundancy

| Capital Costs       | Carryover  | FY 2018    | FY 2019          | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|------------------|------------|------------|------------|------------|
| Design              | \$0        | \$0        | \$38,500         | \$0        | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$0        | \$385,000        | \$0        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$0        | \$34,150         | \$0        | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$0        | \$3,850          | \$0        | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$0        | \$38,500         | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** T1814 - Water Capital Equipment (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replacement of capital equipment at water facilities. Includes PLC and VFD.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|--------------------|------------|------------|------------|
| Design              | \$0        | \$80,000           | \$180,000          | \$80,000           | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$880,000          | \$1,760,000        | \$880,000          | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$32,000           | \$44,000           | \$32,000           | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$8,000            | \$16,000           | \$8,000            | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$2,000,000</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 61019 - Storage and Recovery Well (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Install groundwater recharge and recovery wells for the purpose of recharging effluent from the Arrowhead Water Reclamation Facility for "recovering" recharge water credits.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020          | FY 2021          | FY 2022            | FYs 23-27          |
|---------------------|------------|------------|------------|------------------|------------------|--------------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$360,000        | \$132,400        | \$0                | \$0                |
| Construction        | \$0        | \$0        | \$0        | \$0              | \$200,000        | \$2,610,000        | \$2,800,000        |
| Engineering Charges | \$0        | \$0        | \$0        | \$66,000         | \$66,600         | \$29,000           | \$49,601           |
| Arts                | \$0        | \$0        | \$0        | \$0              | \$20,000         | \$0                | \$28,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0              | \$281,000        | \$0                | \$0                |
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$274,000        | \$0              | \$261,000          | \$122,399          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$700,000</b> | <b>\$700,000</b> | <b>\$2,900,000</b> | <b>\$3,000,000</b> |

**Operating Description:**

| Operating Costs | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FYs 23-27 |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Supplies/Contr  | \$0     | \$0     | \$0     | \$0     | \$0     | \$338,310 |
| Utilities       | \$0     | \$0     | \$0     | \$0     | \$0     | \$241,650 |
| Equip. Maint.   | \$0     | \$0     | \$0     | \$0     | \$0     | \$108,740 |



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project:** 61027 - Water Line Extension (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Water line extensions are installed where needed to extend the city's water transmission and distribution systems to meet projected demand from future development. Projects funded from this account typically involve city participation in pipeline over sizing and other distribution piping extensions as needed to accommodate projected growth.

| Capital Costs       | Carryover  | FY 2018    | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|------------------|------------------|------------------|------------|------------|
| Design              | \$0        | \$0        | \$260,000        | \$63,000         | \$48,000         | \$0        | \$0        |
| Construction        | \$0        | \$0        | \$0              | \$500,000        | \$390,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$0        | \$14,700         | \$32,000         | \$18,000         | \$0        | \$0        |
| Arts                | \$0        | \$0        | \$2,300          | \$5,000          | \$4,000          | \$0        | \$0        |
| Contingency         | \$0        | \$0        | \$23,000         | \$50,000         | \$40,000         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$650,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 61038 - Loop 101 Water Treatment Plant (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Land for the Loop 101 water treatment plant was purchased in FY 2009 with payments from FY 2009 through FY 2013. The design and construction of the new plant has been deferred beyond FY 2022 due to reduced growth estimates.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27           |
|---------------------|------------|------------|------------|------------|------------|------------|---------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,500,000         |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$35,000,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$525,000           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$148,225           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$350,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,500,000         |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$43,023,225</b> |

**Operating Description:** A supplemental will be submitted once the project is completed.

**Project:** 61051 - Accrual of Long-term Water Sto (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Utilize Groundwater Saving Facility and Central Arizona Project agreements to accrue long-term water storage credits. Purchase of recharge water for accrual of long-term water storage credits. The goal is to accrue 25,000 acre feet by 2025.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------------|------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Miscellaneous/Other | \$0        | \$600,000        | \$600,000        | \$700,000        | \$700,000        | \$500,000        | \$2,500,000        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$600,000</b> | <b>\$600,000</b> | <b>\$700,000</b> | <b>\$700,000</b> | <b>\$500,000</b> | <b>\$2,500,000</b> |

**Operating Description:** No additional O and M is needed at this time.



**PROJECT DETAIL: 2400-Water** **Category: Revenue**

**Project:** 61052 - Recharge Storage Assessment (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Assessment of additional aquifer recharge capacity options and related hydrologic analyses required for obtaining required regulatory approvals and permits. Construct recharge infrastructure.

| Capital Costs       | Carryover  | FY 2018          | FY 2019    | FY 2020          | FY 2021          | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------|------------------|------------------|------------|------------|
| Design              | \$0        | \$370,000        | \$0        | \$0              | \$0              | \$0        | \$0        |
| Construction        | \$0        | \$0              | \$0        | \$525,000        | \$700,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$30,000         | \$0        | \$17,250         | \$23,000         | \$0        | \$0        |
| Arts                | \$0        | \$0              | \$0        | \$5,250          | \$7,000          | \$0        | \$0        |
| Contingency         | \$0        | \$0              | \$0        | \$52,500         | \$70,000         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$400,000</b> | <b>\$0</b> | <b>\$600,000</b> | <b>\$800,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed at this time.

**Project:** 61056 - White Mtn Apache Water Rights (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Acquire and develop renewable water supplies to increase the city's designation of assured water supply. Council approved on February 24, 2009, the White Mountain Apache Tribe (WMAT) Water Rights Settlement Agreement. On February 12, 2013, Council approved the Amended and Restated WMAT Water Quantification Agreement. These actions will result in settlement costs to receive up to 2,363 acre-feet of Central Arizona Project (CAP) water per year through a 100-year lease with WMAT and the U.S. Bureau of Reclamation.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$3,500,000        | \$3,500,000        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$3,500,000</b> | <b>\$3,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 61058\* - Pyramid Peak WTP 15MGD Exp. (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Expand plant treatment capacity to 15 Million Gallons per Day to meet city of Peoria future demand. City of Peoria will fund 100% of all design, construction, and administration costs. Expansion to coincide with other plant improvements. The construction and cash flow period to continue over the next three years..

| Capital Costs       | Carryover  | FY 2018            | FY 2019             | FY 2020             | FY 2021             | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|---------------------|---------------------|---------------------|------------|------------|
| Design              | \$0        | \$1,850,000        | \$425,000           | \$1,100,000         | \$781,420           | \$0        | \$0        |
| Construction        | \$0        | \$0                | \$8,755,573         | \$23,795,000        | \$10,500,000        | \$0        | \$0        |
| Engineering Charges | \$0        | \$64,287           | \$83,372            | \$281,178           | \$191,420           | \$0        | \$0        |
| Arts                | \$0        | \$0                | \$87,555            | \$237,950           | \$105,000           | \$0        | \$0        |
| Contingency         | \$0        | \$0                | \$875,557           | \$2,379,500         | \$1,050,000         | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,914,287</b> | <b>\$10,227,057</b> | <b>\$27,793,628</b> | <b>\$12,627,840</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2420-Sewer** **Category: Revenue**

|                                       |                                    | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>   |
|---------------------------------------|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> <u>New Funding</u> |                    |                    |                    |                    |                    |                     |
| <b>Existing Assets</b>                |                                    |                    |                    |                    |                    |                    |                     |
| <i>Improvement of Existing Assets</i> |                                    |                    |                    |                    |                    |                    |                     |
| 63006 Arrowhead Sewer Lines           | 0                                  | 500,000            | 250,000            | 500,000            | 2,000,000          | 2,450,000          | 0                   |
| 63010 91st Ave. Construction          | 0                                  | 710,000            | 528,000            | 500,000            | 500,000            | 500,000            | 2,500,000           |
| 63030 Lift Station Recond. Program    | 0                                  | 0                  | 500,000            | 500,000            | 500,000            | 0                  | 2,000,000           |
| <i>Replacement of Existing Assets</i> |                                    |                    |                    |                    |                    |                    |                     |
| 63003 99th Ave Interceptor Line       | 0                                  | 500,000            | 100,000            | 0                  | 0                  | 0                  | 0                   |
| 63016 Sewer Line Replacement          | 0                                  | 500,000            | 1,100,000          | 1,000,000          | 3,000,000          | 2,100,000          | 7,000,000           |
| 63024 Citywide Manhole Rehab          | 0                                  | 1,000,000          | 500,000            | 500,000            | 500,000            | 500,000            | 3,250,000           |
| 63026 Arrowhead Sewer Lines-phase 2   | 0                                  | 0                  | 0                  | 0                  | 1,100,000          | 2,550,000          | 2,000,000           |
| 63027 Arrowhead Sewer Lines-phase 3   | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 5,650,000           |
| T1816 Wastewater Capital Equipment    | 0                                  | 500,000            | 500,000            | 500,000            | 0                  | 0                  | 0                   |
| T1817 Wastewater Collect-Imprv        | 0                                  | 500,000            | 500,000            | 500,000            | 0                  | 0                  | 0                   |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>                           | <b>4,210,000</b>   | <b>3,978,000</b>   | <b>4,000,000</b>   | <b>7,600,000</b>   | <b>8,100,000</b>   | <b>22,400,000</b>   |
| <b>New Assets</b>                     |                                    |                    |                    |                    |                    |                    |                     |
| <b>0</b>                              |                                    |                    |                    |                    |                    |                    |                     |
| 63008 Sewers for Areas on Septic Sys  | 0                                  | 50,000             | 0                  | 0                  | 0                  | 0                  | 0                   |
| 63017 Sewer Line Extension            | 0                                  | 0                  | 600,000            | 400,000            | 1,000,000          | 0                  | 0                   |
| 63029 *Sewer vactor truck             | 0                                  | 0                  | 400,000            | 0                  | 0                  | 450,000            | 0                   |
| T3611 Glendale Ave 93rd-99th Ave      | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 3,500,000           |
| <b>Sub-Total - New Assets</b>         | <b>0</b>                           | <b>50,000</b>      | <b>1,000,000</b>   | <b>400,000</b>     | <b>1,000,000</b>   | <b>450,000</b>     | <b>3,500,000</b>    |
| <b>Total Project Expenses:</b>        | <b>\$0</b>                         | <b>\$4,260,000</b> | <b>\$4,978,000</b> | <b>\$4,400,000</b> | <b>\$8,600,000</b> | <b>\$8,550,000</b> | <b>\$25,900,000</b> |
| <b>Total FY 2018 Funding:</b>         |                                    | <b>\$4,260,000</b> |                    |                    |                    |                    |                     |

**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project:** 63006 - Arrowhead Sewer Lines (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** To rehabilitate various wastewater collection lines in the Arrowhead Ranch area to improve sewer flow conditions and reduce sewer odors as identified in a report completed by Damon Williams and Associates. Phase 1 - from 79th Ave under loop 101 to ARWRF. The project is in three phases. This is phase 1.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>     | <u>FY 2022</u>     | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|------------------|
| Design               | \$0              | \$0              | \$115,500        | \$0              | \$277,418          | \$0                | \$0              |
| Construction         | \$0              | \$420,000        | \$115,500        | \$420,000        | \$1,295,000        | \$2,250,000        | \$0              |
| Engineering Charges  | \$0              | \$33,800         | \$19,000         | \$33,800         | \$65,082           | \$124,750          | \$0              |
| Arts                 | \$0              | \$4,200          | \$0              | \$4,200          | \$10,000           | \$5,250            | \$0              |
| Contingency          | \$0              | \$42,000         | \$0              | \$42,000         | \$352,500          | \$20,000           | \$0              |
| Miscellaneous/Other  | \$0              | \$0              | \$0              | \$0              | \$0                | \$50,000           | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$500,000</b> | <b>\$250,000</b> | <b>\$500,000</b> | <b>\$2,000,000</b> | <b>\$2,450,000</b> | <b>\$0</b>       |

**Operating Description:** No additional O and M is needed for this project.



**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project:** 63010 - 91st Ave. Construction (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** Improvements to the regional 91st Ave Wastewater Treatment Plant (WWTP) of which Glendale is part owner as a member of the Sub-Regional Operating Group (SROG). SROG consists of Glendale, Mesa, Phoenix, Tempe and Scottsdale.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------------|------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Miscellaneous/Other | \$0        | \$710,000        | \$528,000        | \$500,000        | \$500,000        | \$500,000        | \$2,500,000        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$710,000</b> | <b>\$528,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$2,500,000</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 63030 - Lift Station Recond. Program (I) **Funding Source:** Water & Sewer Revenues

**Project Description:** Evaluate condition, design, and construct improvements to lift stations and related force mains. These facilities operate in a harsh environment, resulting in the need to create a program that will periodically rehabilitate and improve operations.

| Capital Costs       | Carryover  | FY 2018    | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------------|------------------|------------------|------------|--------------------|
| Design              | \$0        | \$0        | \$41,500         | \$41,500         | \$41,500         | \$0        | \$400,000          |
| Construction        | \$0        | \$0        | \$400,000        | \$400,000        | \$400,000        | \$0        | \$1,300,000        |
| Engineering Charges | \$0        | \$0        | \$14,500         | \$14,500         | \$14,500         | \$0        | \$32,241           |
| Arts                | \$0        | \$0        | \$4,000          | \$4,000          | \$4,000          | \$0        | \$13,000           |
| Contingency         | \$0        | \$0        | \$40,000         | \$40,000         | \$40,000         | \$0        | \$0                |
| Miscellaneous/Other | \$0        | \$0        | \$0              | \$0              | \$0              | \$0        | \$254,759          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$2,000,000</b> |

**Operating Description:** No additional O and M is needed at this time.

**Project:** 63003 - 99th Ave Interceptor Line (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Rehabilitate portions of the interceptor and related manholes as determined by the Sewer Condition Assessment Study conducted by Project Engineering Consultants. The 99th Avenue interceptor line is the final collector to deliver influent to the 91st Avenue Wastewater Treatment Plant. Glendale owns 70% equity in the line. Additionally, sampling station GL02 will be rehabilitated.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------------|------------|------------|------------|------------|
| Design              | \$0        | \$49,700         | \$0              | \$0        | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$390,000        | \$0              | \$0        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$17,400         | \$0              | \$0        | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$3,900          | \$0              | \$0        | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$39,000         | \$0              | \$0        | \$0        | \$0        | \$0        |
| Miscellaneous/Other | \$0        | \$0              | \$100,000        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$500,000</b> | <b>\$100,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed.



**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project: 63016 - Sewer Line Replacement (R)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Program to replace and rehabilitate sanitary sewer lines ranging in size from 8" to 27" and manholes as identified by the Sewer Evaluation Study prepared by HDR and Camp, Dresser and McKee (CDM) Engineers. Project will be completed in annual phases with priority to critical areas first.

| Capital Costs       | Carryover  | FY 2018          | FY 2019            | FY 2020            | FY 2021            | FY 2022            | FYs 23-27          |
|---------------------|------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Design              | \$0        | \$475,000        | \$0                | \$80,000           | \$192,500          | \$170,000          | \$1,100,000        |
| Construction        | \$0        | \$0              | \$950,000          | \$800,000          | \$2,500,000        | \$1,700,000        | \$5,700,000        |
| Finance Charges     | \$0        | \$0              | \$0                | \$0                | \$0                | \$0                | \$29,000           |
| Engineering Charges | \$0        | \$25,000         | \$45,500           | \$32,000           | \$32,500           | \$26,500           | \$39,714           |
| Arts                | \$0        | \$0              | \$9,500            | \$8,000            | \$25,000           | \$18,500           | \$47,000           |
| Contingency         | \$0        | \$0              | \$95,000           | \$80,000           | \$250,000          | \$185,000          | \$0                |
| Miscellaneous/Other | \$0        | \$0              | \$0                | \$0                | \$0                | \$0                | \$84,286           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$500,000</b> | <b>\$1,100,000</b> | <b>\$1,000,000</b> | <b>\$3,000,000</b> | <b>\$2,100,000</b> | <b>\$7,000,000</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project: 63024 - Citywide Manhole Rehab (R)** **Funding Source:** Water & Sewer Revenues

**Project Description:** Program to rehabilitate existing sewer manholes located throughout the city based on the Sewer Master Plan in annual phases.

| Capital Costs       | Carryover  | FY 2018            | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------------|------------|--------------------|------------------|------------------|------------------|------------------|--------------------|
| Design              | \$0        | \$0                | \$41,500         | \$41,500         | \$41,500         | \$41,500         | \$375,000          |
| Construction        | \$0        | \$875,000          | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$2,500,000        |
| Finance Charges     | \$0        | \$0                | \$0              | \$0              | \$0              | \$0              | \$39,100           |
| Engineering Charges | \$0        | \$28,750           | \$14,500         | \$14,500         | \$14,500         | \$14,500         | \$46,250           |
| Arts                | \$0        | \$8,750            | \$4,000          | \$4,000          | \$4,000          | \$4,000          | \$25,000           |
| Contingency         | \$0        | \$87,500           | \$40,000         | \$40,000         | \$40,000         | \$40,000         | \$0                |
| Miscellaneous/Other | \$0        | \$0                | \$0              | \$0              | \$0              | \$0              | \$264,650          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$3,250,000</b> |

**Operating Description:** No additional O and M is needed for this project.



**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project:** 63026 - Arrowhead Sewer Lines-phase 2 (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replace or rehabilitate various sewer collection lines in the Arrowhead Ranch area to improve sewer flow conditions and reduce sewer odors as identified in a report by Damon Williams and Associates. Phase 2 - in Union Hills road from 67th Avenue to 79th Avenue.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021            | FY 2022            | FYs 23-27          |
|---------------------|------------|------------|------------|------------|--------------------|--------------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$276,640          | \$0                | \$0                |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$500,000          | \$2,400,000        | \$2,000,000        |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$28,360           | \$76,000           | \$0                |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$5,000            | \$24,000           | \$0                |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$290,000          | \$0                | \$0                |
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$0        | \$0                | \$50,000           | \$0                |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,100,000</b> | <b>\$2,550,000</b> | <b>\$2,000,000</b> |

**Operating Description:**

**Project:** 63027 - Arrowhead Sewer Lines-phase 3 (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replace or rehabilitate various sewer collection lines in the Arrowhead Ranch area to improve sewer flow conditions and reduce sewer odors as identified in a report by Damon Williams and Associates. Phase 3 - in 67th Avenue from Union Hills to Utopia.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,500,000        |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$4,000,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$27,000           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$83,000           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$40,000           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,650,000</b> |

**Operating Description:**

**Project:** T1816 - Wastewater Capital Equipment (R) **Funding Source:** Water & Sewer Revenues

**Project Description:** Replacement of capital equipment at wastewater facilities. Includes PLC and VFD.

| Capital Costs | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------------|------------------|------------|------------|------------|
| Equipment     | \$0        | \$500,000        | \$500,000        | \$500,000        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project:** T1817 - Wastewater Collect-Imprv (R) **Funding Source:** Water & Sewer Revenues

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

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------------|------------------|------------|------------|------------|
| Design              | \$0        | \$190,000        | \$0              | \$190,000        | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$200,000        | \$475,000        | \$200,000        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$40,500         | \$20,500         | \$40,500         | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$2,000          | \$4,500          | \$2,000          | \$0        | \$0        | \$0        |
| Contingency         | \$0        | \$67,500         | \$0              | \$67,500         | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 63008 - Sewers for Areas on Septic Sys (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** This project installs sewers in the areas currently on septic systems. This is residential customer driven in which a residential group (subdivision, neighborhood, street, etc.) must request that their area be connected to the city sewer system.

| Capital Costs       | Carryover  | FY 2018         | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|-----------------|------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$50,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$50,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 63017 - Sewer Line Extension (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Extend the sewer line from 95th Avenue to the west. Includes oversizing the sewer line and lift station.

| Capital Costs       | Carryover  | FY 2018    | FY 2019          | FY 2020          | FY 2021            | FY 2022    | FYs 23-27  |
|---------------------|------------|------------|------------------|------------------|--------------------|------------|------------|
| Design              | \$0        | \$0        | \$138,000        | \$0              | \$82,500           | \$0        | \$0        |
| Construction        | \$0        | \$0        | \$400,000        | \$350,000        | \$800,000          | \$0        | \$0        |
| Engineering Charges | \$0        | \$0        | \$18,000         | \$11,500         | \$29,500           | \$0        | \$0        |
| Arts                | \$0        | \$0        | \$4,000          | \$3,500          | \$8,000            | \$0        | \$0        |
| Contingency         | \$0        | \$0        | \$40,000         | \$35,000         | \$80,000           | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$600,000</b> | <b>\$400,000</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed for this project.



**PROJECT DETAIL: 2420-Sewer** **Category: Revenue**

**Project:** 63029\* - Sewer vactor truck (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Purchase sewer line cleaner (vactor) truck. Department operates with three such trucks. The oldest entered service in 2005 and has been reconditioned once. This is funding to replace the first one. The other two are scheduled in future years.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u>   | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Equipment            | \$0              | \$0            | \$400,000        | \$0            | \$0            | \$450,000        | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$400,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$450,000</b> | <b>\$0</b>       |

**Operating Description:**

**Project:** T3611 - Glendale Ave 93rd-99th Ave (N) **Funding Source:** Water & Sewer Revenues

**Project Description:** Design and construct a parallel relief sewer line on Glendale Avenue from 93rd to 99th Avenue as growth occurs in the area.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$600,000          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,400,000        |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$55,500           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$24,000           |
| Miscellaneous/Other  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$420,500          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$3,500,000</b> |

**Operating Description:** No additional O and M is needed for this project.

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2210-Transportation Construction** **Category: Transportation**

|                                       |                 | <u>FY 2018:</u>     | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>    |
|---------------------------------------|-----------------|---------------------|--------------------|--------------------|--------------------|--------------------|----------------------|
| <b>Capital Project Expenses</b>       | <b>Carrvoer</b> | <b>New Funding</b>  |                    |                    |                    |                    |                      |
| <b>Existing Assets</b>                |                 |                     |                    |                    |                    |                    |                      |
| <i>Improvement of Existing Assets</i> |                 |                     |                    |                    |                    |                    |                      |
| 65005 ITS Upgrades                    | 0               | 0                   | 528,318            | 0                  | 0                  | 0                  | 0                    |
| 65006 Bus Pullouts                    | 0               | 0                   | 327,175            | 335,223            | 343,369            | 351,611            | 1,880,024            |
| 65016 Northern Parkway                | 0               | 666,247             | 666,247            | 666,247            | 666,247            | 0                  | 5,557,465            |
| 65022 Transp. Prog. Engr. Consultant  | 0               | 261,350             | 270,687            | 276,642            | 281,116            | 287,863            | 1,540,969            |
| 65023 *59th Avenue Improvements       | 0               | 0                   | 0                  | 0                  | 0                  | 0                  | 22,289,979           |
| 65042 *51st Ave & Bell Rd             | 0               | 0                   | 0                  | 0                  | 0                  | 0                  | 1,440,153            |
| 65069 Glendale Transportation Plan    | 0               | 0                   | 0                  | 0                  | 0                  | 0                  | 890,936              |
| 65078 Airport Matching Funds          | 0               | 88,142              | 100,000            | 50,000             | 0                  | 0                  | 160,000              |
| 65089 Pavement Management             | 0               | 2,000,000           | 2,000,000          | 2,000,000          | 2,000,000          | 0                  | 10,000,000           |
| <i>Replacement of Existing Assets</i> |                 |                     |                    |                    |                    |                    |                      |
| 65004 Buses/Vans                      | 0               | 0                   | 0                  | 0                  | 0                  | 0                  | 650,365              |
| 65014 Transit Support Capital         | 0               | 72,600              | 9,900              | 0                  | 0                  | 9,900              | 121,325              |
| 65083 Speed Cushions                  | 0               | 140,000             | 0                  | 0                  | 0                  | 0                  | 0                    |
| T1803 91st Avenue Improv. Turn Lane   | 0               | 0                   | 0                  | 0                  | 0                  | 0                  | 827,620              |
| T1804 Ballpark Blvd Extension         | 0               | 6,188,150           | 0                  | 0                  | 0                  | 0                  | 0                    |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>9,416,489</b>    | <b>3,902,327</b>   | <b>3,328,112</b>   | <b>3,290,732</b>   | <b>649,374</b>     | <b>45,358,836</b>    |
| <b>New Assets</b>                     |                 |                     |                    |                    |                    |                    |                      |
| <b>0</b>                              |                 |                     |                    |                    |                    |                    |                      |
| 65017 Light Rail Design/Construction  | 0               | 0                   | 0                  | 0                  | 390,000            | 6,074,000          | 99,324,000           |
| 65091 Airport RPZ Acquisition         | 0               | 1,850,000           | 1,850,000          | 0                  | 0                  | 0                  | 0                    |
| 65097 New River North Shareduse Path  | 0               | 247,431             | 0                  | 0                  | 0                  | 0                  | 0                    |
| 65099 Neighborhood Pathways Connect   | 0               | 234,456             | 0                  | 0                  | 0                  | 0                  | 0                    |
| 65101 *Sidewalk and Curb Improvements | 0               | 186,271             | 124,866            | 155,699            | 0                  | 0                  | 0                    |
| <b>Sub-Total - New Assets</b>         | <b>0</b>        | <b>2,518,158</b>    | <b>1,974,866</b>   | <b>155,699</b>     | <b>390,000</b>     | <b>6,074,000</b>   | <b>99,324,000</b>    |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$11,934,647</b> | <b>\$5,877,193</b> | <b>\$3,483,811</b> | <b>\$3,680,732</b> | <b>\$6,723,374</b> | <b>\$144,682,836</b> |
| <b>Total FY 2018 Funding:</b>         |                 | <b>\$11,934,647</b> |                    |                    |                    |                    |                      |

**PROJECT DETAIL: 2210-Transportation Construction** **Category: Transportation**

**Project:** 65005 - ITS Upgrades (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** These funds provide local match for three approved federally funded Intelligent Transportation Systems (ITS) projects. Overall, a smart traffic signal system will be implemented that includes communications infrastructure, traffic cameras, message signs, and networking equipment to make the traffic signal system more responsive.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$0            | \$528,318        | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$528,318</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** O and M costs associated with electricity for new signal heads, cameras and communication equipment as well as maintenance of fiber optic connections. O and M for this project will be identified once federal funds have been secured and the scope of the project is available.



**PROJECT DETAIL: 2210-Transportation Construction** **Category: Transportation**

**Project:** 65006 - Bus Pullouts (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** Bus pullouts to relieve congestion, improve air quality, and provide traffic and pedestrian safety. Bus pullouts will be constructed at major intersections where there are new bus routes and extensions of existing bus routes.

| Capital Costs | Carryover  | FY 2018    | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------|------------|------------|------------------|------------------|------------------|------------------|--------------------|
| Design        | \$0        | \$0        | \$49,076         | \$50,283         | \$51,505         | \$52,742         | \$282,004          |
| Construction  | \$0        | \$0        | \$278,099        | \$284,940        | \$291,864        | \$298,869        | \$1,598,020        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$327,175</b> | <b>\$335,223</b> | <b>\$343,369</b> | <b>\$351,611</b> | <b>\$1,880,024</b> |

**Operating Description:** No additional O and M is needed.

**Project:** 65016 - Northern Parkway (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** Northern Parkway is envisioned to be a 12.5-mile partial access controlled roadway between Sarival and Grand Avenues. The current funded phase of the project is between Sarival and 91st Avenues and is targeted for completion in FY 2026. This \$320 million project generally includes construction of four through lanes as well as grade separations on the western portion of the project and intersection improvements on the eastern portion. Costs for the project are shared between the region at 70% (\$237 million) and local agencies at 30%. Local partners include Maricopa County, Peoria, and El Mirage. Per intergovernmental agreement, Glendale's portion of local funding is \$37.9 million. To date Glendale has expended approximately \$31.8 million towards this project. Remaining funds will cover design and construction match as well as right-of-way acquisition opportunities during the private development process for adjacent parcels.

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022    | FYs 23-27          |
|---------------------|------------|------------------|------------------|------------------|------------------|------------|--------------------|
| Miscellaneous/Other | \$0        | \$666,247        | \$666,247        | \$666,247        | \$666,247        | \$0        | \$5,557,465        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$666,247</b> | <b>\$666,247</b> | <b>\$666,247</b> | <b>\$666,247</b> | <b>\$0</b> | <b>\$5,557,465</b> |

**Operating Description:** O and M costs are for landscape, water, electrical and other maintenance based on current design. Supplemental budget requests will be made when each project phase is close to completion.

| Operating Costs | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FYs 23-27 |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Utilities       | \$0     | \$0     | \$0     | \$0     | \$0     | \$0       |
| Landscape       | \$0     | \$0     | \$0     | \$0     | \$0     | \$0       |

**Project:** 65022 - Transp. Prog. Engr. Consultant (I) **Funding Source:** Half Cent Sales Tax

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

| Capital Costs       | Carryover  | FY 2018          | FY 2019          | FY 2020          | FY 2021          | FY 2022          | FYs 23-27          |
|---------------------|------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Design              | \$0        | \$0              | \$0              | \$0              | \$0              | \$287,863        | \$1,540,969        |
| Miscellaneous/Other | \$0        | \$261,350        | \$270,687        | \$276,642        | \$281,116        | \$0              | \$0                |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$261,350</b> | <b>\$270,687</b> | <b>\$276,642</b> | <b>\$281,116</b> | <b>\$287,863</b> | <b>\$1,540,969</b> |

**Operating Description:** No additional O and M is needed.



**PROJECT DETAIL: 2210-Transportation Construction Category: Transportation**

**Project:** 65023\* - 59th Avenue Improvements (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** Eight segments from Glendale Avenue to Loop 101 along 59th Avenue to improve traffic conditions. Improvements include elimination of lanes drops, addition of turn lanes, selected widening, installation of medians, landscaping, and addition of bus bays.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27           |
|---------------|------------|------------|------------|------------|------------|------------|---------------------|
| Design        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,641,210         |
| Construction  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$18,648,769        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$22,289,979</b> |

**Operating Description:** O & M impact will be identified during the design phase of the project in FY 2025 CIP. Supplemental budget requests, if any, will be made during the FY 2027 budget process.

**Project:** 65042\* - 51st Ave & Bell Rd (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** Intersection improvements including landscaping and a eastbound right turn lane on Bell Road.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$250,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,100,000        |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$43,000           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$11,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$36,153           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,440,153</b> |

**Operating Description:** Minimal amount of O & M impact is anticipated due to this project. O & M cost estimates developed during the design of the project will be used to identify supplemental budget needs.

**Project:** 65069 - Glendale Transportation Plan (I) **Funding Source:** Half Cent Sales Tax

**Project Description:** This project will update the 2009 City of Glendale Transportation Plan. This Plan will include elements that address roadways, transit, bicycle, pedestrian, Transportation System Management, and include public involvement.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27        |
|---------------------|------------|------------|------------|------------|------------|------------|------------------|
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$13,364         |
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$877,572        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$890,936</b> |

**Operating Description:** This Plan update does not require O and M funding.



**PROJECT DETAIL: 2210-Transportation Construction      Category: Transportation**

**Project: 65078 - Airport Matching Funds (I)**      **Funding Source:** Half Cent Sales Tax

**Project Description:** This project provides matching funds for Glendale Airport projects as identified in the Airport Capital Improvement Program. Funding covers local match for all airport capital costs. Refer to the Airport Capital Fund 2120 for detailed information related to the airport projects.

| Capital Costs | Carryover  | FY 2018         | FY 2019          | FY 2020         | FY 2021    | FY 2022    | FYs 23-27        |
|---------------|------------|-----------------|------------------|-----------------|------------|------------|------------------|
| Design        | \$0        | \$13,221        | \$40,000         | \$25,000        | \$0        | \$0        | \$24,000         |
| Construction  | \$0        | \$74,921        | \$60,000         | \$25,000        | \$0        | \$0        | \$136,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$88,142</b> | <b>\$100,000</b> | <b>\$50,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$160,000</b> |

**Operating Description:** This project provides local match funds for airport capital projects. Refer to the Airport Capital Fund 2120 projects for O and M impact.

**Project: 65089 - Pavement Management (I)**      **Funding Source:** Half Cent Sales Tax

**Project Description:** Project provides for street pavement maintenance. Specific activities included in this project are: surface preparation, repairs and treatments, milling and asphalt overlays as needed.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021            | FY 2022    | FYs 23-27           |
|---------------------|------------|--------------------|--------------------|--------------------|--------------------|------------|---------------------|
| Construction        | \$0        | \$1,912,046        | \$1,912,046        | \$1,912,046        | \$1,912,046        | \$0        | \$9,560,230         |
| Engineering Charges | \$0        | \$17,208           | \$17,208           | \$17,208           | \$17,208           | \$0        | \$86,042            |
| Arts                | \$0        | \$19,120           | \$19,120           | \$19,120           | \$19,120           | \$0        | \$95,602            |
| Contingency         | \$0        | \$51,626           | \$51,626           | \$51,626           | \$51,626           | \$0        | \$258,126           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$2,000,000</b> | <b>\$2,000,000</b> | <b>\$2,000,000</b> | <b>\$2,000,000</b> | <b>\$0</b> | <b>\$10,000,000</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project: 65004 - Buses/Vans (R)**      **Funding Source:** Half Cent Sales Tax

**Project Description:** This project replaces buses and vans for local circulators and Dial-a-Ride service. The buses are replaced every four years or when mileage exceeds recommended limits. The funding identified is to match federal funds secured for replacement buses and vans.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27        |
|---------------|------------|------------|------------|------------|------------|------------|------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$650,365        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$650,365</b> |

**Operating Description:**



**PROJECT DETAIL: 2210-Transportation Construction Category: Transportation**

**Project:** 65014 - Transit Support Capital (R) **Funding Source:** Half Cent Sales Tax

**Project Description:** To continue delivery of transit services, the replacement of capital items are needed, including computer equipment, support vehicles and radio systems.

| Capital Costs | Carryover  | FY 2018         | FY 2019        | FY 2020    | FY 2021    | FY 2022        | FYs 23-27        |
|---------------|------------|-----------------|----------------|------------|------------|----------------|------------------|
| Equipment     | \$0        | \$72,600        | \$9,900        | \$0        | \$0        | \$9,900        | \$121,325        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$72,600</b> | <b>\$9,900</b> | <b>\$0</b> | <b>\$0</b> | <b>\$9,900</b> | <b>\$121,325</b> |

**Operating Description:** No additional O and M is required for this project. This is a replacement project and is not anticipated to generate new O and M costs.

**Project:** 65083 - Speed Cushions (R) **Funding Source:** Half Cent Sales Tax

**Project Description:** This project will remove and replace existing modified speed humps with speed cushions and add mitigation devices where warranted. Replacing modified speed humps and constructing new mitigation devices will help address the current backlog of neighborhoods qualifying for traffic mitigation.

| Capital Costs       | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------|------------|------------|------------|------------|
| Miscellaneous/Other | \$0        | \$140,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$140,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is needed.

**Project:** T1803 - 91st Avenue Improv. Turn Lane (R) **Funding Source:** Half Cent Sales Tax

**Project Description:** Project will construct a right turn lane into a Parking Lot at 91st Ave. and Maryland Ave.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27        |
|---------------------|------------|------------|------------|------------|------------|------------|------------------|
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$750,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$12,870         |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$32,250         |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$7,500          |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$25,000         |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$827,620</b> |

**Operating Description:**



**PROJECT DETAIL: 2210-Transportation Construction      Category: Transportation**

**Project:** T1804 - Ballpark Blvd Extension (R)      **Funding Source:** Half Cent Sales Tax

**Project Description:** Land acquisition, design and construction of an extension of Ballpark Blvd. Project will include pavement, curb, gutter, sidewalk, street lighting and landscaping.

| Capital Costs       | Carryover  | FY 2018            | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|------------|------------|------------|------------|------------|
| Land                | \$0        | \$1,700,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Design              | \$0        | \$200,000          | \$0        | \$0        | \$0        | \$0        | \$0        |
| Construction        | \$0        | \$4,000,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Finance Charges     | \$0        | \$112,650          | \$0        | \$0        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$92,500           | \$0        | \$0        | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$73,000           | \$0        | \$0        | \$0        | \$0        | \$0        |
| Miscellaneous/Other | \$0        | \$10,000           | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$6,188,150</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**Project:** 65017 - Light Rail Design/Construction (N)      **Funding Source:** Half Cent Sales Tax

**Project Description:** Project development, design, right-of-way acquisition, utility relocation, construction, and acquisition of light rail vehicles for a light rail facility to be located on an alignment to be determined. Federal and regional funds will fund 71% of the project. Current cost estimates are based on regional plans prepared by Valley Metro.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021          | FY 2022            | FYs 23-27           |
|---------------------|------------|------------|------------|------------|------------------|--------------------|---------------------|
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$0        | \$390,000        | \$6,074,000        | \$99,324,000        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$390,000</b> | <b>\$6,074,000</b> | <b>\$99,324,000</b> |

**Operating Description:** A supplemental budget request will be submitted once the project is near completion in FY 2026.

**Project:** 65091 - Airport RPZ Acquisition (N)      **Funding Source:** Half Cent Sales Tax

**Project Description:** Acquire land north of Runway 19 and provide perimeter fencing around new Airport property. ADOT will fund a portion of this land acquisition.

| Capital Costs | Carryover  | FY 2018            | FY 2019            | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|--------------------|--------------------|------------|------------|------------|------------|
| Land          | \$0        | \$1,850,000        | \$1,850,000        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$1,850,000</b> | <b>\$1,850,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No additional O and M is anticipated due to this project.



**PROJECT DETAIL: 2210-Transportation Construction Category: Transportation**

**Project:** 65097 - New River North Shareduse Path (N) **Funding Source:** Half Cent Sales Tax

**Project Description:** This project is to design and provide local match funds towards construction of a federally funded shared use pathway. This project is for a bicycle and pedestrian friendly pathway along the east bank of New River from Hillcrest Boulevard to approximately 1/4-mile north. Federal Congestion Mitigation and Air Quality (CMAQ) funding in the amount of \$330,850 has been secured towards construction of this project.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$247,431        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$247,431</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** O and M associated with 20,000 sq ft of landscape identified currently, which could change depending on design options.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Utilities              | \$0            | \$20,000       | \$20,600       | \$21,220       | \$0            | \$116,030        |
| Landscape              | \$0            | \$24,000       | \$24,720       | \$25,460       | \$0            | \$139,230        |

**Project:** 65099 - Neighborhood Pathways Connect (N) **Funding Source:** Half Cent Sales Tax

**Project Description:** This pathway project provides for design and local match towards construction of connections from Thunderbird Paseo pathway and Skunk Creek pathway to neighborhoods. The project is to provide connections from the Thunderbird Paseo Pathway to neighborhoods at Sweetwater Avenue, Hearn Road, and 71st Avenue. In addition, this project also provides connection from Skunk Creek pathway to the neighborhood at 64th Drive. Federal Congestion Mitigation and Air Quality (CMAQ) funding in the amount of \$107,832 has been secured towards construction of this project.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$234,456        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$234,456</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** O and M associated with approximately 1,000 sq ft of additional landscape maintenance and irrigation.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Utilities              | \$0            | \$1,000        | \$1,030        | \$1,060        | \$0            | \$5,800          |
| Landscape              | \$0            | \$1,200        | \$1,240        | \$1,270        | \$0            | \$6,960          |



**PROJECT DETAIL: 2210-Transportation Construction      Category: Transportation**

**Project:** 65101\* - Sidewalk and Curb Improvements (N)      **Funding Source:** Half Cent Sales Tax

**Project Description:** Installation of new sidewalk and ADA ramps along the north side of Camelback Road to fill in pedestrian facility gaps between 79th Avenue and 83rd Avenue. Installation of new sidewalk and ADA ramps along the north side of Paradise Lane to fill in pedestrian facility gaps between 55th Avenue and 59th Avenue. Installation of curb, gutter, and sidewalks, along east and west side of 67th Avenue between Glendale and Orangewood avenues. Installation of curb, gutter, and sidewalks, along north and south side of Orangewood Avenue between 67th and Grand avenues.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|------------------|------------------|----------------|----------------|------------------|
| Land                 | \$0              | \$0              | \$6,000          | \$0              | \$0            | \$0            | \$0              |
| Design               | \$0              | \$100,000        | \$52,000         | \$0              | \$0            | \$0            | \$0              |
| Construction         | \$0              | \$42,844         | \$30,990         | \$147,025        | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$6,999          | \$4,066          | \$7,204          | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$428            | \$310            | \$1,470          | \$0            | \$0            | \$0              |
| Equipment            | \$0              | \$6,000          | \$1,500          | \$0              | \$0            | \$0            | \$0              |
| Miscellaneous/Other  | \$0              | \$30,000         | \$30,000         | \$0              | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$186,271</b> | <b>\$124,866</b> | <b>\$155,699</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** Installation of missing curb, gutter, and sidewalk along existing roadways.

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2000-HURF/Street Bonds** **Category: HURF**

|                                       |                 | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>   |
|---------------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Capital Project Expenses</b>       | <b>Carrvoer</b> | <b>New Funding</b> |                    |                    |                    |                    |                     |
| <b>Existing Assets</b>                |                 |                    |                    |                    |                    |                    |                     |
| <i>Improvement of Existing Assets</i> |                 |                    |                    |                    |                    |                    |                     |
| 68917 Pavement Management-HURF        | 0               | 4,320,373          | 3,310,373          | 3,315,373          | 2,946,523          | 2,946,523          | 16,285,640          |
| 68920 *Street Lighting ROAM Upgrade   | 0               | 1,590,650          | 0                  | 0                  | 0                  | 0                  | 0                   |
| <i>Replacement of Existing Assets</i> |                 |                    |                    |                    |                    |                    |                     |
| 68922 Rusted Street Pole Replacement  | 0               | 180,000            | 180,000            | 180,000            | 180,000            | 180,000            | 0                   |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>6,091,023</b>   | <b>3,490,373</b>   | <b>3,495,373</b>   | <b>3,126,523</b>   | <b>3,126,523</b>   | <b>16,285,640</b>   |
| <b>New Assets</b>                     |                 |                    |                    |                    |                    |                    |                     |
| <i>0</i>                              |                 |                    |                    |                    |                    |                    |                     |
| 68919 *Street Lighting LED Conversion | 0               | 0                  | 0                  | 0                  | 0                  | 0                  | 5,740,150           |
| <b>Sub-Total - New Assets</b>         | <b>0</b>        | <b>0</b>           | <b>0</b>           | <b>0</b>           | <b>0</b>           | <b>0</b>           | <b>5,740,150</b>    |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$6,091,023</b> | <b>\$3,490,373</b> | <b>\$3,495,373</b> | <b>\$3,126,523</b> | <b>\$3,126,523</b> | <b>\$22,025,790</b> |
| <b>Total FY 2018 Funding:</b>         |                 | <b>\$6,091,023</b> |                    |                    |                    |                    |                     |

**PROJECT DETAIL: 2000-HURF/Street Bonds** **Category: HURF**

**Project:** 68917 - Pavement Management-HURF (I) **Funding Source:** HURF Bonds

**Project Description:** Project provides for street pavement maintenance and reconstruction work as identified in the Annual Pavement Management Program. The annual program is funded by Highway User Revenue Fund (HURF) bonds through this project #2000-68917, and by Transportation Half Cent Sales Tax through project #2210-65089. Street maintenance and rehabilitation is necessary to maximize the life of the city's residential, collector, and arterial street network. Streets are selected and scheduled annually within the available funding. Specific activities included in this project are: surface preparation, repairs and treatments, and milling and asphalt overlays a needed throughout the city.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u>     | <u>FY 2020</u>     | <u>FY 2021</u>     | <u>FY 2022</u>     | <u>FYs 23-27</u>    |
|----------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Design               | \$0              | \$40,000           | \$40,000           | \$40,000           | \$40,000           | \$40,000           | \$0                 |
| Construction         | \$0              | \$4,150,000        | \$3,150,000        | \$3,150,000        | \$2,800,000        | \$2,800,000        | \$15,498,775        |
| Finance Charges      | \$0              | \$57,500           | \$57,500           | \$57,500           | \$42,150           | \$42,150           | \$287,500           |
| Engineering Charges  | \$0              | \$26,373           | \$26,373           | \$26,373           | \$26,373           | \$26,373           | \$131,865           |
| Arts                 | \$0              | \$41,500           | \$31,500           | \$31,500           | \$28,000           | \$28,000           | \$342,500           |
| Miscellaneous/Other  | \$0              | \$5,000            | \$5,000            | \$10,000           | \$10,000           | \$10,000           | \$25,000            |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$4,320,373</b> | <b>\$3,310,373</b> | <b>\$3,315,373</b> | <b>\$2,946,523</b> | <b>\$2,946,523</b> | <b>\$16,285,640</b> |

**Operating Description:** No additional O and M is needed at this time.



**PROJECT DETAIL: 2000-HURF/Street Bonds** **Category: HURF**

**Project:** 68920\* - Street Lighting ROAM Upgrade (I) **Funding Source:** HURF Bonds

**Project Description:** The streetlight monitoring contract with ROAM (Remote Operations Asset Management) has allowed the city to improve the performance of the street lighting program while reducing staff and routinely maintaining streetlight outages at less than one percent. Technological changes require 17,000 monitoring photocells supplied exclusively through ROAM to be replaced with upgraded photocells.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|----------------|----------------|----------------|----------------|------------------|
| Construction         | \$0              | \$1,500,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| Finance Charges      | \$0              | \$22,650           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Engineering Charges  | \$0              | \$43,000           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Arts                 | \$0              | \$15,000           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Miscellaneous/Other  | \$0              | \$10,000           | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$1,590,650</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** The annually expenses of \$25,000 will cover the cost increase of \$.10 per node. (20,500 nodes).

**Project:** 68922 - Rusted Street Pole Replacement (R) **Funding Source:** HURF Bonds

**Project Description:** The purpose of this project is to remove and replace existing streetlight poles that have been identified for replacement in the Rusted Pole Inspection Program due to excessive rust as the base of the streetlight pole.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Miscellaneous/Other  | \$0              | \$180,000        | \$180,000        | \$180,000        | \$180,000        | \$180,000        | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$180,000</b> | <b>\$180,000</b> | <b>\$180,000</b> | <b>\$180,000</b> | <b>\$180,000</b> | <b>\$0</b>       |

**Operating Description:**

**Project:** 68919\* - Street Lighting LED Conversion (N) **Funding Source:** HURF Bonds

**Project Description:** LED (Light Emitting Diode) streetlights are more energy efficient than the city's current HPS (High Pressure Sodium) lights and are shown to have a longer service life. There are 19,000 streetlights that require replacement. The benefit of replacing street lights with LED technology include the reduction of electricity and maintenance costs, projected to be approximately \$550,000 annually.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$5,500,000        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$82,650           |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$92,500           |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$55,000           |
| Miscellaneous/Other  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$10,000           |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$5,740,150</b> |

**Operating Description:**



**FUND SUMMARY: 1650-Transportation Grants** **Category: Other**

|                                    | <u>FY 2018:</u> | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|------------------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>    | <u>Carrvoer</u> | <u>New Funding</u> |                 |                 |                 |                   |
| <b>New Assets</b>                  |                 |                    |                 |                 |                 |                   |
| 0                                  |                 |                    |                 |                 |                 |                   |
| 67505 CIP Transport. Grant Reserve | 0               | 150,000            | 0               | 0               | 0               | 0                 |
| <b>Sub-Total - New Assets</b>      | 0               | 150,000            | 0               | 0               | 0               | 0                 |
| <b>Total Project Expenses:</b>     | <b>\$0</b>      | <b>\$150,000</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>      |                 | <b>\$150,000</b>   |                 |                 |                 |                   |

**PROJECT DETAIL: 1650-Transportation Grants** **Category: Other**

**Project:** 67505 - CIP Transport. Grant Reserve (N) **Funding Source:** Grants

**Project Description:** This represents reserve appropriation for unanticipated transportation related grant opportunities that may arise during the fiscal year.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Contingency          | \$0              | \$150,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$150,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** No additional O and M is needed.



**FUND SUMMARY: 2480-Sanitation**

**Category: Other**

|                                       |                                    | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>   |
|---------------------------------------|------------------------------------|------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> <u>New Funding</u> |                  |                    |                    |                    |                    |                     |
| <b>Existing Assets</b>                |                                    |                  |                    |                    |                    |                    |                     |
| <i>Replacement of Existing Assets</i> |                                    |                  |                    |                    |                    |                    |                     |
| 78001 Rolloff Trucks-Commercial       | 0                                  | 0                | 234,605            | 0                  | 0                  | 252,644            | 550,941             |
| 78002 Frontload Trucks-Commercial     | 0                                  | 306,911          | 629,167            | 322,448            | 330,509            | 338,771            | 2,199,383           |
| 78003 Sideload Trucks-Residential     | 0                                  | 282,670          | 1,158,946          | 1,187,920          | 1,217,618          | 1,248,058          | 5,902,359           |
| 78004 Loose Trash Equip.-Residential  | 0                                  | 0                | 635,566            | 651,454            | 385,408            | 684,435            | 3,383,509           |
| 78005 Repl Pickup Trucks-Sanitation   | 0                                  | 0                | 25,375             | 25,375             | 25,375             | 25,375             | 76,125              |
| T1810 Street Sweeper Replacement      | 0                                  | 0                | 245,269            | 251,400            | 0                  | 0                  | 1,116,744           |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>                           | <b>589,581</b>   | <b>2,928,928</b>   | <b>2,438,597</b>   | <b>1,958,910</b>   | <b>2,549,283</b>   | <b>13,229,061</b>   |
| <b>New Assets</b>                     |                                    |                  |                    |                    |                    |                    |                     |
| <b>0</b>                              |                                    |                  |                    |                    |                    |                    |                     |
| 78006 *Sanitation Office Space Study  | 0                                  | 0                | 203,000            | 203,000            | 203,000            | 203,000            | 1,015,000           |
| 78007 *IVR System - Sanitation        | 0                                  | 0                | 100,000            | 0                  | 0                  | 0                  | 0                   |
| <b>Sub-Total - New Assets</b>         | <b>0</b>                           | <b>0</b>         | <b>303,000</b>     | <b>203,000</b>     | <b>203,000</b>     | <b>203,000</b>     | <b>1,015,000</b>    |
| <b>Total Project Expenses:</b>        | <b>\$0</b>                         | <b>\$589,581</b> | <b>\$3,231,928</b> | <b>\$2,641,597</b> | <b>\$2,161,910</b> | <b>\$2,752,283</b> | <b>\$14,244,061</b> |
| <b>Total FY 2018 Funding:</b>         |                                    | <b>\$589,581</b> |                    |                    |                    |                    |                     |

**PROJECT DETAIL: 2480-Sanitation**

**Category: Other**

**Project: 78001 - Rolloff Trucks-Commercial (R)** **Funding Source:** Sanitation Revenues

**Project Description:** Sanitation currently has three roll-off trucks in its equipment fleet for its commercial roll-off service. Three roll-off trucks will require replacement over the next ten years as their individual life is nine years. Sanitation vehicles are not included in the vehicle replacement fund. Instead the vehicles are purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u>   | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Finance Charges      | \$0              | \$0            | \$3,467          | \$0            | \$0            | \$3,734          | \$8,142          |
| Equipment            | \$0              | \$0            | \$231,138        | \$0            | \$0            | \$248,910        | \$542,799        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$234,605</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$252,644</b> | <b>\$550,941</b> |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.

**Project: 78002 - Frontload Trucks-Commercial (R)** **Funding Source:** Sanitation Revenues

**Project Description:** Sanitation currently has 8 frontload trucks and a container delivery truck in its equipment fleet for its Commercial frontload service. At the current replacement schedule of six years for newly purchased equipment, 10 frontload trucks and the container truck will require replacement over the next ten years. Sanitation vehicles are not included in the vehicle replacement fund. Instead the vehicles are purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Finance Charges      | \$0              | \$0              | \$9,298          | \$4,765          | \$4,884          | \$5,006          | \$32,503           |
| Equipment            | \$0              | \$306,911        | \$619,869        | \$317,683        | \$325,625        | \$333,765        | \$2,166,880        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$306,911</b> | <b>\$629,167</b> | <b>\$322,448</b> | <b>\$330,509</b> | <b>\$338,771</b> | <b>\$2,199,383</b> |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.



**PROJECT DETAIL: 2480-Sanitation** **Category: Other**

**Project:** 78003 - Sideload Trucks-Residential (R) **Funding Source:** Sanitation Revenues

**Project Description:** Sanitation currently has 26 side load trucks in its equipment fleet for its residential Solid Waste and recycling collection routes. A total of 37 side load trucks will be purchased over the next ten years as each truck has a six year replacement schedule. Sanitation vehicles are not included in the vehicle replacement fund. Instead the vehicles are purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>     | <u>FY 2020</u>     | <u>FY 2021</u>     | <u>FY 2022</u>     | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Finance Charges      | \$0              | \$0              | \$17,127           | \$17,555           | \$17,994           | \$18,444           | \$79,247           |
| Equipment            | \$0              | \$282,670        | \$1,141,819        | \$1,170,365        | \$1,199,624        | \$1,229,614        | \$5,823,112        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$282,670</b> | <b>\$1,158,946</b> | <b>\$1,187,920</b> | <b>\$1,217,618</b> | <b>\$1,248,058</b> | <b>\$5,902,359</b> |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.

**Project:** 78004 - Loose Trash Equip.-Residential (R) **Funding Source:** Sanitation Revenues

**Project Description:** Sanitation currently has 12 rearload trucks and 6 tractors in its equipment fleet for its loose trash collection routes. At the current replacement schedule of eight years for newly purchased equipment, 15 rearload trucks and 8 tractors will require replacement over the next ten years. The number of trucks to be replaced each year are the following: one truck and one tractor in FY2017; two trucks and one tractor in FY2018; two trucks in FY2019; one truck and a one tractor in FY2020; one truck and one tractor FY2021; and a total of eight trucks and four tractors during the second five years (FY2022-2026). Sanitation vehicles are not included in the vehicle replacement fund, rather the vehicles are purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|------------------|------------------|------------------|------------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$9,393          | \$9,627          | \$5,696          | \$10,115         | \$50,003           |
| Equipment            | \$0              | \$0            | \$626,173        | \$641,827        | \$379,712        | \$674,320        | \$3,333,506        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$635,566</b> | <b>\$651,454</b> | <b>\$385,408</b> | <b>\$684,435</b> | <b>\$3,383,509</b> |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.

**Project:** 78005 - Repl Pickup Trucks-Sanitation (R) **Funding Source:** Sanitation Revenues

**Project Description:** Sanitation currently has six pickup trucks and two mechanic service trucks in its equipment fleet, which will require replacement over the next ten years. FY2018 - replace two pickup trucks at a cost of \$34,363 and one mechanic truck at a cost \$ 62,000. Sanitation vehicles are not included in the vehicle replacement fund. Instead the vehicles are purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>  | <u>FY 2020</u>  | <u>FY 2021</u>  | <u>FY 2022</u>  | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$375           | \$375           | \$375           | \$375           | \$1,125          |
| Equipment            | \$0              | \$0            | \$25,000        | \$25,000        | \$25,000        | \$25,000        | \$75,000         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$25,375</b> | <b>\$25,375</b> | <b>\$25,375</b> | <b>\$25,375</b> | <b>\$76,125</b>  |

**Operating Description:** No additional O and M is needed since this is the replacement of existing equipment.



**PROJECT DETAIL: 2480-Sanitation**

**Category: Other**

**Project:** T1810 - Street Sweeper Replacement (R) **Funding Source:** Sanitation Revenues

**Project Description:** Replace street sweeper trucks assigned to Solid Waste

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|------------------|------------------|----------------|----------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$3,625          | \$3,715          | \$0            | \$0            | \$16,152           |
| Equipment            | \$0              | \$0            | \$241,644        | \$247,685        | \$0            | \$0            | \$1,100,592        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$245,269</b> | <b>\$251,400</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,116,744</b> |

**Operating Description:**

**Project:** 78006\* - Sanitation Office Space Study (N) **Funding Source:** Sanitation Revenues

**Project Description:** This project is for a new sanitation administration building. Staff are currently located in a trailer on the grounds of the field operations complex. The trailer was installed 13 years ago as a temporary solution.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|------------------|------------------|------------------|------------------|--------------------|
| Construction         | \$0              | \$0            | \$200,000        | \$200,000        | \$200,000        | \$200,000        | \$1,000,000        |
| Finance Charges      | \$0              | \$0            | \$3,000          | \$3,000          | \$3,000          | \$3,000          | \$15,000           |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$203,000</b> | <b>\$203,000</b> | <b>\$203,000</b> | <b>\$203,000</b> | <b>\$1,015,000</b> |

**Operating Description:** New furniture and office technology.

**Project:** 78007\* - IVR System - Sanitation (N) **Funding Source:** Sanitation Revenues

**Project Description:** This project is Solid Waste Information System (SWIS), either as an in-house City hosted or "Software as a Service" (SaaS) vendor hosted solution. It will be a comprehensive, integrated, enterprise-level Solution for solid waste operations which includes; system software, in-vehicle mobile devices, configuration/implementation/conversion services, and product training/support. It is believed that a new system Solution will bring more operational efficiencies, reduce costs and potentially increase revenues.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$100,000        | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$100,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2440-Landfill** **Category: Other**

|                                       |                 | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>     | <u>FYs 23-27:</u>   |
|---------------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> | <u>New Funding</u> |                    |                    |                    |                     |                     |
| <b>Existing Assets</b>                |                 |                    |                    |                    |                    |                     |                     |
| <i>Improvement of Existing Assets</i> |                 |                    |                    |                    |                    |                     |                     |
| 78526 LF Gas System Modifications     | 0               | 300,000            | 0                  | 375,000            | 0                  | 0                   | 0                   |
| 78528 Northern Ave LF Improvements    | 0               | 0                  | 0                  | 0                  | 235,000            | 0                   | 0                   |
| <i>Replacement of Existing Assets</i> |                 |                    |                    |                    |                    |                     |                     |
| 78506 Landfill Repl Pickup Trucks     | 0               | 62,400             | 75,000             | 0                  | 0                  | 0                   | 274,723             |
| 78509 MRF Forklifts                   | 0               | 0                  | 0                  | 0                  | 43,399             | 90,272              | 99,743              |
| 78511 Landfill Compactor Replacement  | 0               | 100,000            | 0                  | 500,000            | 1,310,242          | 0                   | 2,091,750           |
| 78512 Fuel Tanker Replacement         | 0               | 0                  | 0                  | 0                  | 0                  | 0                   | 244,017             |
| 78514 Sanitation Inspection Trucks    | 0               | 0                  | 0                  | 44,995             | 30,416             | 0                   | 138,440             |
| 78520 Landfill Bulldozer Replacement  | 0               | 0                  | 0                  | 0                  | 1,003,632          | 0                   | 2,334,489           |
| 78521 MRF Loader Replacement          | 0               | 0                  | 0                  | 0                  | 474,962            | 0                   | 577,865             |
| 78522 LF Water Pull Tractor Replace   | 0               | 0                  | 0                  | 741,031            | 0                  | 0                   | 315,931             |
| 78524 Landfill Motor Grader Replace   | 0               | 0                  | 0                  | 0                  | 0                  | 0                   | 807,350             |
| 78525 Landfill Scraper Equipment      | 0               | 0                  | 0                  | 837,375            | 0                  | 0                   | 1,926,449           |
| T1806 Manlift MRF                     | 0               | 26,390             | 26,390             | 0                  | 637,103            | 0                   | 0                   |
| T1807 Light Duty Vehicle Replacement  | 0               | 56,840             | 0                  | 0                  | 0                  | 0                   | 0                   |
| T1808 Auxilliary Equipment            | 0               | 0                  | 54,891             | 0                  | 29,685             | 0                   | 64,215              |
| T1809 Landfill Bulldozer Replacement  | 0               | 0                  | 0                  | 0                  | 1,306,147          | 1,358,393           | 1,800,489           |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>        | <b>545,630</b>     | <b>156,281</b>     | <b>2,498,401</b>   | <b>5,070,586</b>   | <b>1,448,665</b>    | <b>10,675,461</b>   |
| <b>New Assets</b>                     |                 |                    |                    |                    |                    |                     |                     |
| <b>0</b>                              |                 |                    |                    |                    |                    |                     |                     |
| 78503 Landfill Closure (South)        | 0               | 0                  | 325,000            | 125,000            | 350,000            | 500,000             | 750,000             |
| 78505 LF Phase Construction (North)   | 0               | 500,000            | 500,000            | 250,000            | 100,000            | 250,000             | 7,546,235           |
| 78507 Landfill Soil Excavation        | 0               | 125,000            | 125,000            | 125,000            | 125,000            | 8,525,732           | 3,679,973           |
| <b>Sub-Total - New Assets</b>         | <b>0</b>        | <b>625,000</b>     | <b>950,000</b>     | <b>500,000</b>     | <b>575,000</b>     | <b>9,275,732</b>    | <b>11,976,208</b>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>      | <b>\$1,170,630</b> | <b>\$1,106,281</b> | <b>\$2,998,401</b> | <b>\$5,645,586</b> | <b>\$10,724,397</b> | <b>\$22,651,669</b> |
| <b>Total FY 2018 Funding:</b>         |                 | <b>\$1,170,630</b> |                    |                    |                    |                     |                     |

**PROJECT DETAIL: 2440-Landfill** **Category: Other**



**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project: 78526 - LF Gas System Modifications (I)**

**Funding Source:**

Landfill Revenues

**Project Description:**

The City is required by federal and state environmental regulations to install and maintain an active gas collection system within the landfill. Project provides for improvements to the existing gas collection system including retrofits, extensions, additions, and modifications to the vertical and horizontal extraction wells and lateral collection pipes. Because the gas wells and collection pipes presently are located above-ground level within the active landfill area, it is necessary to complete the gas well modifications and improvements ahead of filling the landfill sections with additional waste. Project includes burying of the above-ground lateral collection pipes to allow for simpler waste filling operations. Project scope also includes expansion of the horizontal and/or vertical gas collection wells in the final filling area (i.e. scale area). Project is required to maintain sequencing plan developed for waste filling in the landfill through the end of FY2017.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|------------------|----------------|----------------|------------------|
| Design               | \$0              | \$300,000        | \$0            | \$375,000        | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$300,000</b> | <b>\$0</b>     | <b>\$375,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

No additional O and M is needed at this time.

**Project: 78528 - Northern Ave LF Improvements (I)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project provides funding for a block wall that will extend to the west along the landfill property at approximately 115th Ave and Northern. It will also allow for the relocation of approximately twenty existing cacti that are to be removed due to the Northern Avenue Parkway construction project. There are currently forty cacti along the right of way that was recently sold to the Maricopa County Department of Transportation (MCDOT). Twenty of the cacti will be donated to the Northern Avenue Parkway Project and will be relocated within Glendale in conjunction with the project and the remaining twenty will be relocated within the Landfill property at Glendale's expense.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u>   | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|------------------|----------------|------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$235,000        | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$235,000</b> | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**Project: 78506 - Landfill Repl Pickup Trucks (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

Landfill currently has six pickup trucks in its equipment fleet that will require replacement over the next ten years. Pickup trucks are used by the landfill inspector, mechanic, crew leader, supervisor, and field employees. This project includes the replacement of four trucks reaching the end of their service life during FY 2019 and 2020. Trucks purchased in 2015 will be replaced in 2025. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund. Instead the vehicles are purchased with cash or financed at the time of purchase.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>  | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|-----------------|-----------------|----------------|----------------|----------------|------------------|
| Equipment            | \$0              | \$62,400        | \$75,000        | \$0            | \$0            | \$0            | \$274,723        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$62,400</b> | <b>\$75,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$274,723</b> |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of

**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project: 78509 - MRF Forklifts (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

The Materials Recovery Facility (MRF) currently has a total of four forklifts in its fleet used for a variety of heavy lifting purposes including loading, unloading, and transporting recyclable bales. The MRF forklifts have an estimated service life of approximately five years, although replacement schedules may be adjusted depending on hours of use and equipment condition. This project includes the replacement of two forklifts that are expected to reach the end of their serviceable lives in FY17 and FY18 as well as replacement of two forklifts that will be due for replacement in FY 2021. At this current replacement schedule, two of the four forklifts also will require replacement during the second five years (FY 2022-2026). MRF vehicles and equipment are not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u>  | <u>FY 2022</u>  | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|-----------------|-----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$641           | \$1,334         | \$1,474          |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$42,758        | \$88,938        | \$98,269         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$43,399</b> | <b>\$90,272</b> | <b>\$99,743</b>  |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of

**Project: 78511 - Landfill Compactor Replacement (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project provides for the rebuild and or replacement of the landfill compactors, one 836H and one 836K, at the end of their serviceable life or on an appropriate schedule based on current usage hours and equipment condition. The compactors are now being equipped with GPS systems, which will increase landfill compaction and decrease the use of soil for covering waste. The compactors are essential pieces of equipment used on a daily basis for proper placement and compaction of solid waste within the landfill. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund; instead the equipment is purchased with cash or financed at time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u>   | <u>FY 2021</u>     | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|----------------|------------------|--------------------|----------------|--------------------|
| Equipment            | \$0              | \$100,000        | \$0            | \$500,000        | \$1,310,242        | \$0            | \$2,091,750        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$100,000</b> | <b>\$0</b>     | <b>\$500,000</b> | <b>\$1,310,242</b> | <b>\$0</b>     | <b>\$2,091,750</b> |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment this is expected to reach the end of its serviceable life.

**Project: 78512 - Fuel Tanker Replacement (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

Replacement of the fuel tanker, which was purchased in 2008, and is expected to reach the end of its serviceable life in FY 2018. The fuel tanker truck transports diesel fuel from the onsite storage tank to the landfill heavy equipment located on the active waste disposal area. It is an essential piece of support equipment at the landfill for maximizing operational efficiencies and minimizing equipment downtime. Landfill equipment is not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$3,606          |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$240,411        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$244,017</b> |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of its serviceable life.



**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project: 78514 - Sanitation Inspection Trucks (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project includes the purchase of seven replacement pickups over a 10-year period. Service life is projected to be approximately seven years and each truck will be replaced based on year of purchase, mileage and condition of the vehicle. Sanitation Inspectors utilize their assigned vehicles daily to educate residents on proper procedures for services and enforce regulations related to refuse collection, recycling collection and bulk trash services. The Sanitation Inspection vehicles are not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020         | FY 2021         | FY 2022    | FYs 23-27        |
|---------------|------------|------------|------------|-----------------|-----------------|------------|------------------|
| Equipment     | \$0        | \$0        | \$0        | \$44,995        | \$30,416        | \$0        | \$138,440        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$44,995</b> | <b>\$30,416</b> | <b>\$0</b> | <b>\$138,440</b> |

**Operating Description:**

No additional O and M is needed for this project.

**Project: 78520 - Landfill Bulldozer Replacement (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

Project provides for the rebuild and/or replacement of the landfill bulldozers at the end of their serviceable life or on an appropriate schedule based on current usage hours and equipment condition. A certified powertrain rebuild and undercarriage track replacement was performed on the D8 in FY16. The D9 will undergo a similar repair in FY17. During these rebuilds the landfill will be adding GPS systems to reduce soil usage, improve road building capabilities and waste compaction. This project also includes funds for replacement of the Model D8 bulldozer in FY 2021 and the Model D9 bulldozer in FY 2022. Bulldozers are used at the landfill primarily to push garbage into position for the compactors. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund, Instead the equipment is purchased with cash or financed at the time of acquisition.

| Capital Costs   | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021            | FY 2022    | FYs 23-27          |
|-----------------|------------|------------|------------|------------|--------------------|------------|--------------------|
| Finance Charges | \$0        | \$0        | \$0        | \$0        | \$14,832           | \$0        | \$34,499           |
| Equipment       | \$0        | \$0        | \$0        | \$0        | \$988,800          | \$0        | \$2,299,990        |
| <b>TOTAL</b>    | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,003,632</b> | <b>\$0</b> | <b>\$2,334,489</b> |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of

**Project: 78521 - MRF Loader Replacement (R)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project is for the replacement of a loader used to move recyclables from the Materials Recovery Facility (MRF) tipping floor to the processing line. A CAT950K loader was purchased in FY16 and will require a replacement and/or rebuild in approximately 10 years. MRF vehicles and equipment are not included in the Vehicle Replacement Fund; instead the equipment is purchased with cash or financed at the time of acquisition.

| Capital Costs   | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021          | FY 2022    | FYs 23-27        |
|-----------------|------------|------------|------------|------------|------------------|------------|------------------|
| Finance Charges | \$0        | \$0        | \$0        | \$0        | \$7,019          | \$0        | \$8,540          |
| Equipment       | \$0        | \$0        | \$0        | \$0        | \$467,943        | \$0        | \$569,325        |
| <b>TOTAL</b>    | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$474,962</b> | <b>\$0</b> | <b>\$577,865</b> |

**Operating Description:**

No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of

**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project:** 78522 - LF Water Pull Tractor Replace (R) **Funding Source:** Landfill Revenues

**Project Description:** Replacement of the water pull truck, which was purchased in 2012 and is expected to reach the end of its serviceable life in FY 2020. The water pull truck is a critical piece of support equipment for reducing dust and maintaining compliance with the existing air quality permit. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition. \$150K in FY17 Power train Rebuild for the 730 Caterpillar Water Pull.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$10,951         | \$0            | \$0            | \$41,208         |
| Equipment            | \$0              | \$0            | \$0            | \$730,080        | \$0            | \$0            | \$274,723        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$741,031</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$315,931</b> |

**Operating Description:** No additional O and M is needed since new equipment will replace aging existing equipment.

**Project:** 78524 - Landfill Motor Grader Replace (R) **Funding Source:** Landfill Revenues

**Project Description:** The project includes the replacement of the motor grader that is expected to reach the end of its serviceable life in FY 2024. The motor grader is an essential piece of support equipment used to establish and maintain the temporary roads on the active portion of the landfill. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$6,159          |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$410,571        |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$390,620        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$807,350</b> |

**Operating Description:** No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of its serviceable life.

**Project:** 78525 - Landfill Scraper Equipment (R) **Funding Source:** Landfill Revenues

**Project Description:** The scraper is an essential piece of support equipment that excavates, transports, and stockpiles soil used for covering waste disposed at the landfill. This project provides for either a certified rebuild or a new replacement of the scraper, which is anticipated to occur in FY 2018 based on hours of use and equipment condition. Landfill vehicles and equipment are not included in the Vehicle Replacement Fund. Instead the equipment is purchased with cash or financed at the time of acquisition.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|------------------|----------------|----------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$12,375         | \$0            | \$0            | \$28,470           |
| Equipment            | \$0              | \$0            | \$0            | \$825,000        | \$0            | \$0            | \$1,897,979        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$837,375</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,926,449</b> |

**Operating Description:** No additional O and M is needed since new equipment will replace existing equipment that is expected to reach the end of its serviceable life.



**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project: T1806 - Manlift MRF (R)** **Funding Source:** Landfill Revenues

**Project Description:** Replace Manlift assigned to MRF

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>  | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u>   | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|-----------------|-----------------|----------------|------------------|----------------|------------------|
| Finance Charges      | \$0              | \$390           | \$390           | \$0            | \$9,415          | \$0            | \$0              |
| Equipment            | \$0              | \$26,000        | \$26,000        | \$0            | \$627,688        | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$26,390</b> | <b>\$26,390</b> | <b>\$0</b>     | <b>\$637,103</b> | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**Project: T1807 - Light Duty Vehicle Replacement (R)** **Funding Source:** Landfill Revenues

**Project Description:** Replace light duty vehicles assigned to Landfill and MRF

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>  | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|-----------------|----------------|----------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$840           | \$0            | \$0            | \$0            | \$0            | \$0              |
| Equipment            | \$0              | \$56,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$56,840</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**Project: T1808 - Auxilliary Equipment (R)** **Funding Source:** Landfill Revenues

**Project Description:** Replace auxilliary equipment assigned to the Landfill and MRF, which may include skid steers, kubotas, lube trailer, etc.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>  | <u>FY 2020</u> | <u>FY 2021</u>  | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|-----------------|----------------|-----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$811           | \$0            | \$439           | \$0            | \$949            |
| Equipment            | \$0              | \$0            | \$54,080        | \$0            | \$29,246        | \$0            | \$63,266         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$54,891</b> | <b>\$0</b>     | <b>\$29,685</b> | <b>\$0</b>     | <b>\$64,215</b>  |

**Operating Description:**

**Project: T1809 - Landfill Bulldozer Replacement (R)** **Funding Source:** Landfill Revenues

**Project Description:** Replace bulldozers at Landfill

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u>     | <u>FY 2022</u>     | <u>FYs 23-27</u>   |
|----------------------|------------------|----------------|----------------|----------------|--------------------|--------------------|--------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$19,303           | \$20,075           | \$234,846          |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$1,286,844        | \$1,338,318        | \$1,565,643        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$1,306,147</b> | <b>\$1,358,393</b> | <b>\$1,800,489</b> |

**Operating Description:**



**PROJECT DETAIL: 2440-Landfill**

**Category: Other**

**Project: 78503 - Landfill Closure (South) (N)**

**Funding Source:**

Landfill Revenues

**Project Description:**

Project provides for closure of the south area of the landfill after the permitted air space is completely filled with waste. A landfill reaching its permitted capacity is required by federal and state law to be closed with a final cover system, which includes a vegetative layer, a compacted soil layer, additional gas system wells, erosion control, and storm water control measures. Related projects are 78505 and 78507.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|
| Design               | \$0              | \$0            | \$325,000        | \$125,000        | \$350,000        | \$500,000        | \$750,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$325,000</b> | <b>\$125,000</b> | <b>\$350,000</b> | <b>\$500,000</b> | <b>\$750,000</b> |

**Operating Description:**

Funds provided in supplies/contracts are annual costs for post-closure (\$220,554) at the landfill. Post-closure costs include monitoring, maintenance, and repair of the following items: landfill gas control system, groundwater monitoring system, storm water monitoring, final cover/vegetative cover inspection, landfill settlement monitoring, access roads, drainage control system, site security inspection, and administrative reporting. Annual post-closure maintenance, monitoring, and repair activities will begin once closure of the south area is completed.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$2,205,540    | \$2,205,540    | \$2,205,540    | \$2,205,540    | \$0            | \$11,027,700     |

**Project: 78505 - LF Phase Construction (North) (N)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project is required for the development of the northern portion of the landfill and includes phased installation of a liner, a gas collection system and a leachate collection system. Funds identified as "carryover" (\$102,780) and in FY 2016 (\$4,614,000) will pay for construction of North Phase 1a, which is anticipated to begin accepting waste in 2017. Funds identified in FY 2017 (\$102,780) will be used for engineering design of North Phase 1b. Funds identified in FY 2018 (\$4,361,873) will pay for construction of North Phase 1b, which is anticipated to begin accepting waste in 2018.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>   | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Design               | \$0              | \$500,000        | \$500,000        | \$250,000        | \$100,000        | \$250,000        | \$7,546,235        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$250,000</b> | <b>\$100,000</b> | <b>\$250,000</b> | <b>\$7,546,235</b> |

**Operating Description:**

No additional O and M is needed for this project.

**Project: 78507 - Landfill Soil Excavation (N)**

**Funding Source:**

Landfill Revenues

**Project Description:**

This project provides for excavation of Phase 1 in the north expansion area to prepare for future landfill cell development. It includes excavation of approximately one-third of the north expansion area, access road improvements in areas located between the north area, the Materials Recovery Facility (MRF), the new administration and maintenance area, as well as utility relocations. Excavated soil will be stockpiled in various storage locations on the landfill property. Excavation of the remaining two-thirds will occur as part of future landfill phase construction.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u>     | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
| Construction         | \$0              | \$125,000        | \$125,000        | \$125,000        | \$125,000        | \$8,525,732        | \$3,679,973        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$125,000</b> | <b>\$125,000</b> | <b>\$125,000</b> | <b>\$125,000</b> | <b>\$8,525,732</b> | <b>\$3,679,973</b> |

**Operating Description:**

No additional O and M is needed at this time.



**FUND SUMMARY: 2120-Airport Capital Grants** **Category: Other**

|                                       | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u> | <u>FYs 23-27:</u>  |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|-----------------|--------------------|
| <b>Capital Project Expenses</b>       | <b>Carrvoer</b>    | <b>New Funding</b> |                    |                    |                 |                    |
| <b>Existing Assets</b>                |                    |                    |                    |                    |                 |                    |
| <i>Improvement of Existing Assets</i> |                    |                    |                    |                    |                 |                    |
| T1472 Airport EA for Channelization   | 0                  | 0                  | 0                  | 0                  | 0               | 286,590            |
| <i>Replacement of Existing Assets</i> |                    |                    |                    |                    |                 |                    |
| 79524 North Apron R&R                 | 0                  | 1,525,662          | 1,000,000          | 1,000,000          | 0               | 0                  |
| 79526 South Apron R&R                 | 0                  | 0                  | 0                  | 0                  | 0               | 4,718,466          |
| 79527 *AWOS Weather Reporting Equip.  | 0                  | 315,000            | 0                  | 0                  | 0               | 0                  |
| T1477 FAR Part 150 Update             | 0                  | 334,355            | 0                  | 0                  | 0               | 0                  |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>           | <i>2,175,017</i>   | <i>1,000,000</i>   | <i>1,000,000</i>   | <i>0</i>        | <i>5,005,056</i>   |
| <b>Total Project Expenses:</b>        | <b>\$0</b>         | <b>\$2,175,017</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$0</b>      | <b>\$5,005,056</b> |
| <b>Total FY 2018 Funding:</b>         | <b>\$2,175,017</b> |                    |                    |                    |                 |                    |

**PROJECT DETAIL: 2120-Airport Capital Grants** **Category: Other**

**Project:** T1472 - Airport EA for Channelization (I) **Funding Source:** Grants/City Match

**Project Description:** Conduct an Environmental Assessment for channelization of the New River to protect the runway safety area from erosion. Channelization includes the physical change to the inner bank boundary of the River. The project is to be funded with \$286,590 FAA (91.06%) and ADOT (4.47%) funds in FY 2021.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$286,590        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$286,590</b> |

**Operating Description:** No additional O and M is required for this project.

**Project:** 79524 - North Apron R&R (R) **Funding Source:** Grants/City Match

**Project Description:** The north apron project includes reconstruction (59,200 square yards) in FY 2017 and rehabilitation (54,000 square yards) in FY 2018. The portion of the north apron that is beyond rehabilitation is to be reconstructed in FY 2017. The rehabilitation project in FY 2018 would preserve and extend the life of the rest of north apron.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>     | <u>FY 2019</u>     | <u>FY 2020</u>     | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|--------------------|--------------------|--------------------|----------------|----------------|------------------|
| Design               | \$0              | \$225,000          | \$150,000          | \$150,000          | \$0            | \$0            | \$0              |
| Construction         | \$0              | \$1,300,662        | \$850,000          | \$850,000          | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$1,525,662</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** This project rebuilds and rehabilitates existing pavement on the north apron.



**PROJECT DETAIL: 2120-Airport Capital Grants** **Category: Other**

**Project:** 79526 - South Apron R&R (R) **Funding Source:** Grants/City Match

**Project Description:** The south apron project includes reconstruction (38,000 square yards) in FY 2019 and rehabilitation (93,000 square yards) in FY 2020. The portion of the south apron that is beyond rehabilitation is to be reconstructed in FY 2019. The rehabilitation project in FY 2020 would preserve and extend the life of the rest of north apron.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$707,770          |
| Construction  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$4,010,696        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,718,466</b> |

**Operating Description:** This project rebuilds and rehabilitates existing pavement on the south apron.

**Project:** 79527\* - AWOS Weather Reporting Equip. (R) **Funding Source:** Grants/City Match

**Project Description:** Procure and install a replacement of Automated Weather Observation System (AWOS) equipment. Additional wind indicator and a new wind sock are a part of this project.

| Capital Costs | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------|------------|------------|------------|------------|
| Construction  | \$0        | \$315,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$315,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** This project replaces existng AWOS equipment.

**Project:** T1477 - FAR Part 150 Update (R) **Funding Source:** Grants/City Match

**Project Description:** Produce updated Noise Exposure Maps and Land Use Plan last updated in 1993. An update of the Part 150 Study is required every 20 years. Noise Exposure Maps and Land Use Planning elements help coordinate development near the Airport. This will be funded 91.06% by the FAA and 4.47% by ADOT.

| Capital Costs | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|------------------|------------|------------|------------|------------|------------|
| Design        | \$0        | \$334,355        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$334,355</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** No O and M is needed for this study project.



**FUND SUMMARY: 1840-Other Federal and State Grants** **Category: Other**

|                                       | <u>FY 2018:</u>  | <u>FY 2019:</u>    | <u>FY 2020:</u> | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------------|------------------|--------------------|-----------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvover</u> | <u>New Funding</u> |                 |                 |                 |                   |
| <b>Existing Assets</b>                |                  |                    |                 |                 |                 |                   |
| <i>Replacement of Existing Assets</i> |                  |                    |                 |                 |                 |                   |
| 80031 Saguaro Ranch Park Improvement  | 0                | 15,000             | 0               | 0               | 0               | 0                 |
| <i>Sub-Total - Existing Assets</i>    | <i>0</i>         | <i>15,000</i>      | <i>0</i>        | <i>0</i>        | <i>0</i>        | <i>0</i>          |
| <b>Total Project Expenses:</b>        | <b>\$0</b>       | <b>\$15,000</b>    | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>         |                  | <b>\$15,000</b>    |                 |                 |                 |                   |

**PROJECT DETAIL: 1840-Other Federal and State Grants** **Category: Other**

**Project:** 80031 - Saguaro Ranch Park Improvement (R) **Funding Source:** Grants

**Project Description:** Smith Family Donation for Historic Saguaro Ranch Park

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>  | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|-----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$15,000        | \$0            | \$0            | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$15,000</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**FUND SUMMARY: 2070-General Gov Capital Proje** **Category: Other**

|                                       |                                    | <u>FY 2018:</u>    | <u>FY 2019:</u>    | <u>FY 2020:</u>    | <u>FY 2021:</u>    | <u>FY 2022:</u>    | <u>FYs 23-27:</u>   |
|---------------------------------------|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Capital Project Expenses</b>       | <u>Carrvoer</u> <u>New Funding</u> |                    |                    |                    |                    |                    |                     |
| <b>Existing Assets</b>                |                                    |                    |                    |                    |                    |                    |                     |
| <i>Improvement of Existing Assets</i> |                                    |                    |                    |                    |                    |                    |                     |
| 70800 Building Maint. Reserve         | 0                                  | 750,000            | 750,000            | 1,000,000          | 1,000,000          | 1,000,000          | 2,500,000           |
| 70801 Camelback Ranch Maint. Reserve  | 0                                  | 836,752            | 836,752            | 836,752            | 836,752            | 0                  | 4,183,760           |
| 70803 Capital Repair-Arena            | 0                                  | 500,000            | 500,000            | 500,000            | 1,000,000          | 0                  | 5,000,000           |
| 84551 Civic Center Renovation         | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 4,123,974           |
| F0003 *Electrical Repairs/Replacement | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 1,500,000           |
| F0004 *Exterior Repairs/Replacements  | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 500,000             |
| F0005 *City Hall - HVAC System        | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 3,452,250           |
| T1160 City Hall Parking Garage        | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 1,675,193           |
| <i>Replacement of Existing Assets</i> |                                    |                    |                    |                    |                    |                    |                     |
| 70806 Replacement of Airpacks         | 0                                  | 1,649,850          | 0                  | 0                  | 0                  | 0                  | 0                   |
| 77503 *Exterior Closure (Roofing)     | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 2,500,000           |
| 81067 Civic Ctr. Maintenance          | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 175,000             |
| F0001 *HVAC Repair/Replacements       | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 2,500,000           |
| F0002 *Interior Repairs/Replacements  | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 1,500,000           |
| T1820 CBR Scoreboard                  | 0                                  | 1,000,000          | 0                  | 0                  | 0                  | 0                  | 0                   |
| T4620 Resurface Library Parking Lots  | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 250,000             |
| T4730 Fuel Sites Equipment Upgrade    | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 582,474             |
| T5320 EOC Equipment Replacement       | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 610,122             |
| T5380 Replace HazMat Vehicle          | 0                                  | 0                  | 0                  | 0                  | 0                  | 0                  | 616,071             |
| <b>Sub-Total - Existing Assets</b>    | <b>0</b>                           | <b>4,736,602</b>   | <b>2,086,752</b>   | <b>2,336,752</b>   | <b>2,836,752</b>   | <b>1,000,000</b>   | <b>31,668,844</b>   |
| <b>New Assets</b>                     |                                    |                    |                    |                    |                    |                    |                     |
| <b>0</b>                              |                                    |                    |                    |                    |                    |                    |                     |
| 70808 *CBR Land IGA                   | 0                                  | 668,646            | 0                  | 1,086,822          | 0                  | 0                  | 0                   |
| 70809 *Emergency Vehicle Preemption   | 0                                  | 329,789            | 0                  | 0                  | 0                  | 0                  | 0                   |
| 70810 City-Wide ERP Solution (2070)   | 0                                  | 2,500,000          | 2,500,000          | 1,000,000          | 0                  | 0                  | 0                   |
| <b>Sub-Total - New Assets</b>         | <b>0</b>                           | <b>3,498,435</b>   | <b>2,500,000</b>   | <b>2,086,822</b>   | <b>0</b>           | <b>0</b>           | <b>0</b>            |
| <b>Total Project Expenses:</b>        | <b>\$0</b>                         | <b>\$8,235,037</b> | <b>\$4,586,752</b> | <b>\$4,423,574</b> | <b>\$2,836,752</b> | <b>\$1,000,000</b> | <b>\$31,668,844</b> |
| <b>Total FY 2018 Funding:</b>         |                                    | <b>\$8,235,037</b> |                    |                    |                    |                    |                     |

**PROJECT DETAIL: 2070-General Gov Capital Proje** **Category: Other**

**Project:** 70800 - Building Maint. Reserve (I) **Funding Source:** Other

**Project Description:** This project is intended to support carryover of the building maintenance reserve for emergency and unplanned repairs and replacement of building components for various city facilities

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>     | <u>FY 2021</u>     | <u>FY 2022</u>     | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| Miscellaneous/Other  | \$0              | \$750,000        | \$750,000        | \$1,000,000        | \$1,000,000        | \$1,000,000        | \$2,500,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$750,000</b> | <b>\$750,000</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$2,500,000</b> |

**Operating Description:**

\*=New Project, N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



**PROJECT DETAIL: 2070-General Gov Capital Proje** **Category: Other**

**Project:** 70801 - Camelback Ranch Maint. Reserve (I) **Funding Source:** Other

**Project Description:** Camelback Ranch Maint. Reserve

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>   | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|------------------|------------------|----------------|--------------------|
| Design               | \$0              | \$100,000        | \$100,000        | \$100,000        | \$100,000        | \$0            | \$500,000          |
| Construction         | \$0              | \$525,000        | \$525,000        | \$525,000        | \$525,000        | \$0            | \$2,625,000        |
| Engineering Charges  | \$0              | \$9,250          | \$9,250          | \$9,250          | \$9,250          | \$0            | \$46,250           |
| Arts                 | \$0              | \$5,250          | \$5,250          | \$5,250          | \$5,250          | \$0            | \$26,250           |
| Miscellaneous/Other  | \$0              | \$197,252        | \$197,252        | \$197,252        | \$197,252        | \$0            | \$986,260          |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$836,752</b> | <b>\$836,752</b> | <b>\$836,752</b> | <b>\$836,752</b> | <b>\$0</b>     | <b>\$4,183,760</b> |

**Operating Description:**

**Project:** 70803 - Capital Repair-Arena (I) **Funding Source:** Other

**Project Description:** City's contractual obligation to annually fund the capital repair at the arena per the July 8, 2013 agreement.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u>     | <u>FY 2022</u> | <u>FYs 23-27</u>   |
|----------------------|------------------|------------------|------------------|------------------|--------------------|----------------|--------------------|
| Miscellaneous/Other  | \$0              | \$500,000        | \$500,000        | \$500,000        | \$1,000,000        | \$0            | \$5,000,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$1,000,000</b> | <b>\$0</b>     | <b>\$5,000,000</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**PROJECT DETAIL: 2070-General Gov Capital Proje** **Category: Other**

**Project:** 84551 - Civic Center Renovation (I) **Funding Source:** Other

**Project Description:** This enhancement would create another signature feature at the Glendale Civic Center. The east courtyard would be converted into more meeting room space with sky lighting. This project also involves renovating and developing the grass (open space), south

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$756,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,633,126        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$50,850           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$62,699           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$26,331           |
| Equipment           | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$130,000          |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$394,968          |
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$70,000           |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$4,123,974</b> |

**Operating Description:**

| Operating Costs | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FYs 23-27   |
|-----------------|---------|---------|---------|---------|---------|-------------|
| Staffing        | \$0     | \$0     | \$0     | \$0     | \$0     | \$5,312,960 |
| Supplies/Contr  | \$0     | \$0     | \$0     | \$0     | \$0     | \$337,190   |
| Utilities       | \$0     | \$0     | \$0     | \$0     | \$0     | \$700,000   |
| Bldg. Maint.    | \$0     | \$0     | \$0     | \$0     | \$0     | \$499,550   |
| Equip. Maint.   | \$0     | \$0     | \$0     | \$0     | \$0     | \$99,910    |
| Insurance       | \$0     | \$0     | \$0     | \$0     | \$0     | \$60,690    |
| Electrical      | \$0     | \$0     | \$0     | \$0     | \$0     | \$89,920    |
| Water           | \$0     | \$0     | \$0     | \$0     | \$0     | \$35,720    |

**Project:** F0003\* - Electrical Repairs/Replacement (I) **Funding Source:** Other

**Project Description:** This project provides for funding in support of an annual program for the replacement and upgrade of lighting and electrical systems, which are required to restore lighting in city parks and upgrade lighting in city buildings. These upgrades are expected to reduce the consumption of electricity usage citywide and restore safety and security for citizens utilizing city parks and facilities. In FY 2022, these projects include lighting replacement at Bonsall North, Rose Lane and Sahuaro Ranch Parks. The ongoing costs from FY 2023 to FY 2026 include funding for the annual program as well as previously deferred projects to upgrade park lighting systems.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------|------------|------------|------------|------------|------------|------------|--------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,500,000</b> |

**Operating Description:**

\*=New Project, N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



**PROJECT DETAIL: 2070-General Gov Capital Proje** **Category: Other**

**Project:** F0004\* - Exterior Repairs/Replacements (I) **Funding Source:** Other

**Project Description:** This project provides funding in support of an annual program for all exterior repairs and replacements such as painting, sealing, siding replacements, carpentry repairs, window and door replacements, ADA compliance, and plumbing repairs. Exterior repairs to city buildings are estimated to cost \$100,000 annually and are needed to preserve, protect and extend the useful life of the infrastructure. In FY 2022, project funding includes the replacement of siding and sealing/painting at Sahuaro Ranch Park and the airport terminal. Keeping the exterior surface coated in paint products protects the underlying building materials.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27        |
|---------------|------------|------------|------------|------------|------------|------------|------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$500,000</b> |

**Operating Description:**

**Project:** F0005\* - City Hall - HVAC System (I) **Funding Source:** Other

**Project Description:** Project provides for replacements and upgrades to the existing heating, ventilating and air conditioning (HVAC) system at Glendale city hall. Three floors of city hall (basement, sub-basement, and aspects of the first floor) were upgraded in previous fiscal years; whereas the remaining floors were deferred to upcoming years in the capital plan. Because the overall HVAC system has reached the end of its serviceable life, this project includes funding for the remaining floors (second, third, fourth and council chambers). Upgrades will include replacement of air handling units on each floor, enhancements to the control units in each suite, ductwork, piping, and associated electrical work. The HVAC system upgrades will improve indoor air quality and provide a new HVAC system life capacity of an additional 20+ years for the entire building.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,050,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$56,250           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$48,000           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$10,500           |
| Equipment           | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,100,000        |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$187,500          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,452,250</b> |

**Operating Description:**

**PROJECT DETAIL: 2070-General Gov Capital Proj** **Category: Other**

**Project:** T1160 - City Hall Parking Garage (I) **Funding Source:** Other

**Project Description:** As part of the emergency garage repair in FY 2009, the structural engineer provided additional maintenance recommendations for the remainder of the city hall garage related to replacement or repair of synthetic cushions. Over the past 25 years, the natural expansion and contraction of the structure's elements have pushed out of place many of the synthetic cushions on which the 366 concrete beams are seated. This has caused the concrete to wear against bare concrete causing deterioration. Also, there are four locations that have significant deterioration that will require extra maintenance and repair before the deterioration becomes more costly.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Design              | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$150,000          |
| Construction        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,300,000        |
| Finance Charges     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$33,504           |
| Engineering Charges | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$43,000           |
| Arts                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$13,000           |
| Contingency         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$135,689          |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,675,193</b> |

**Operating Description:** No additional O and M is needed for this project.

**Project:** 70806 - Replacement of Airpacks (R) **Funding Source:** Other

**Project Description:** Replacement of self-contained breathing apparatus (SCBAs) or air packs. The current supply is in compliance with National Fire Protection Association Standards through FY 2017. In FY 2017, 150 air packs will be outdated and in need of replacement. The useful life span of SCBAs is 7-10 years. Upgrades were completed in 2013 for all air packs. As components of the air packs fail, the department will repair or replace them using the department operating budget. Air packs are considered a capital expenditure due to the type of equipment requiring to be updated all at the same time; which cannot be phased in when replaced. Personnel must all be able to train and work on the same type, make and model of equipment. The department will continue to seek alternative funding mechanisms such as grants as they become available.

| Capital Costs   | Carryover  | FY 2018            | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|-----------------|------------|--------------------|------------|------------|------------|------------|------------|
| Finance Charges | \$0        | \$32,350           | \$0        | \$0        | \$0        | \$0        | \$0        |
| Equipment       | \$0        | \$1,617,500        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>    | <b>\$0</b> | <b>\$1,649,850</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** O and M includes maintenance and repair at \$70,000 annually and an additional \$36,000 (once every 5 years) for 2 hydro tests on 300 bottles at \$60.00 per bottle that is performed every 5 years. The current SCBA budget is \$17,291 and does not cover the O and M identified; an additional \$350,000 is necessary. The \$70,000 for annual maintenance and repair will be needed the year after purchase. A supplemental budget request will be submitted once the project is near

**Project:** 77503\* - Exterior Closure (Roofing) (R) **Funding Source:** Other

**Project Description:** This project provides funding in support of an annual roof repair and replacement program. Ongoing roofing repairs and replacements are required to improve the condition of City facilities and extend the useful life of the infrastructure. Citywide condition assessments will be conducted annually to evaluate roof conditions. In FY 20122, repairs or replacements to roofs at the Main Library, airport terminal, and Sahuaro Ranch Park buildings will be completed.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------|------------|------------|------------|------------|------------|------------|--------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,500,000</b> |

**Operating Description:**



**PROJECT DETAIL: 2070-General Gov Capital Proj** **Category: Other**

**Project: 81067 - Civic Ctr. Maintenance (R)** **Funding Source: Other**

**Project Description:** The Civic Center's maintenance reserve annual allocation has been moved to operations as ongoing repair and maintenance of facility. The reserve will ensure that the Civic Center remains a competitive and high quality event venue and it is essential to the continued success of the facility.

| Capital Costs       | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27        |
|---------------------|------------|------------|------------|------------|------------|------------|------------------|
| Miscellaneous/Other | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$175,000        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$175,000</b> |

**Operating Description:** No additional O and M is needed.

**Project: F0001\* - HVAC Repair/Replacements (R)** **Funding Source: Other**

**Project Description:** This project provides funding in support of an annual repair and replacement program for existing heating, ventilating and air conditioning (HVAC) systems at various city buildings, which have reached the end of their service life. The replacements and upgrades identified in the annual HVAC Repair/Replacement Program are estimated to cost \$500,000 annually. These HVAC system upgrades will improve air quality and renew life cycles of the replaced units. Projects in FY 2022 include the airport terminal, community center north, and equipment management.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------|------------|------------|------------|------------|------------|------------|--------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,500,000</b> |

**Operating Description:**

**Project: F0002\* - Interior Repairs/Replacements (R)** **Funding Source: Other**

**Project Description:** This project provides funding in support of an annual program for interior building repairs and replacements such as flooring, ceiling tiles, carpeting, painting, wall coverings, ADA compliance, plumbing, fire protection upgrades and carpentry. Interior repair to city buildings are estimated to cost \$300,000 annually and are needed to preserve, protect and extend the useful life of infrastructure.

| Capital Costs | Carryover  | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27          |
|---------------|------------|------------|------------|------------|------------|------------|--------------------|
| Equipment     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,500,000        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,500,000</b> |

**Operating Description:**

**Project: T1820 - CBR Scoreboard (R)** **Funding Source: Other**

**Project Description:** Purchase of scoreboard for Camelback Ranch

| Capital Costs | Carryover  | FY 2018            | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------|------------|--------------------|------------|------------|------------|------------|------------|
| Equipment     | \$0        | \$1,000,000        | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>  | <b>\$0</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**

**FY 2018-2027 CAPITAL IMPROVEMENT PLAN**  
**Fund Summary and Project Detail**



**PROJECT DETAIL: 2070-General Gov Capital Proj** **Category: Other**

**Project:** T4620 - Resurface Library Parking Lots (R) **Funding Source:** Other

**Project Description:** This is a request to fund the repaving and sealing of the 26-year old asphalt parking lot at the Main Library and slurry seal the 14-year old parking lot at the Foothills Branch Library. The Main Library's parking lot has deteriorated to the point that a 1 1/2" fabric overlay is needed. The estimated cost to repair this is \$97,283. A heavy grade slurry seal is recommended for the Foothills Branch Library in order to preserve the life span of the asphalt, which, with proper maintenance, should reach 20-30 years. The estimated cost for this is \$33,188.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$250,000        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$250,000</b> |

**Operating Description:** O and M is required for asphalt maintenance starting in 2021. The industry standard for asphalt maintenance is to seal every 2-3 years from the completion date. This type of maintenance includes crack sealing and restriping of parking lots. A supplemental budget request will be submitted once the project is near completion. Adjusted for the future, the annual O and M would be \$30,479 for both lots (approximately \$15,240 for each lot/year).

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Bldg. Maint.           | \$0            | \$0            | \$0            | \$0            | \$0            | \$609,580        |

**Project:** T4730 - Fuel Sites Equipment Upgrade (R) **Funding Source:** Other

**Project Description:** This project reflects the replacement of all City of Glendale fuel dispensing equipment that will reach its maximum useful life over the next ten years. The project includes installation of new fuel dispensing pumps, monitoring and tank leak detection systems and replacement of the fuel tracking system at The Field Operations Center, Fire Station 153 and Fire Station 155. Completion of this project will ensure reporting accuracy, equipment stability and integrity, and improved customer service.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Design               | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$5,357          |
| Construction         | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$518,397        |
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$2,872          |
| Engineering Charges  | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$25,664         |
| Arts                 | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$5,184          |
| Contingency          | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$25,000         |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$582,474</b> |

**Operating Description:** The software is a one-time purchase and the yearly license agreement will be paid through the departments existing budget.. No annual maintenance is required, if repairs are required vendors will be paid through existing operational budgets. Contributions to the Technology Replacement Fund are being made for the hardware currently being used and no additional hardware would be needed at this time.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Supplies/Contr         | \$0            | \$0            | \$0            | \$0            | \$0            | \$10,000         |



**PROJECT DETAIL: 2070-General Gov Capital Proj** **Category: Other**

**Project:** T5320 - EOC Equipment Replacement (R) **Funding Source:** Other

**Project Description:** This project funds the replacement of the information technology based equipment in the City's Emergency Operations Center (EOC), and places the EOC equipment in the city's technology replacement fund (TRF) to ensure software and hardware updates occur in conjunction with normal city rollouts. The EOC was built in 2006 and EOC equipment was not funded for the TRF due to the annual cost. Equipment updates were to be funded through the capital improvement process as equipment reached the end of its service life. Not being part of the TRF, results in lack of timely equipment replacement and unfunded requirements each time there is a software update, modifications to hardware are required, or there are equipment failures. The frequency of these unfunded requirements continues to rise as the equipment ages. EOC equipment will be two and a half times past its typical service life in the year 2020.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$14,881         |
| IT/Phone/Security    | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$595,241        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$610,122</b> |

**Operating Description:** This project will replace existing equipment and systems at the EOC. This equipment will be placed in the technology replacement fund at a cost of \$152,530 annually, or \$610,122 over the four year replacement cycle. Approximately 1/4 of the equipment will be replaced each year. The equipment includes the audiovisual, software, hardware, and communications equipment used in the EOC to support emergency and special event operations.

| <u>Operating Costs</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| PC/Vehicle Replacement | \$0            | \$0            | \$0            | \$0            | \$0            | \$8,177,030      |

**Project:** T5380 - Replace HazMat Vehicle (R) **Funding Source:** Other

**Project Description:** Replacement of a HazMat vehicle for the hazardous materials team. The current truck will have served its useful life of 10 years by FY 2019. This vehicle is supported by Fleet Management staff and anticipated mileage is 10,000 miles per year.

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Finance Charges      | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$12,321         |
| Equipment            | \$0              | \$0            | \$0            | \$0            | \$0            | \$0            | \$603,750        |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>     | <b>\$616,071</b> |

**Operating Description:** No additional O and M is needed since the Hazmat truck will be replacing the current vehicle, which will not be used as a reserve vehicle.

**Project:** 70808\* - CBR Land IGA (N) **Funding Source:** Other

**Project Description:** This is an intergovernmental agreement with the City of Phoenix for repayment of land at Camelback Ranch Facility. The agree states the City will pay the following amounts: FY 17 and 18 \$668,646 - FY 20 \$1,086,822

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u> | <u>FY 2020</u>     | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|----------------|--------------------|----------------|----------------|------------------|
| Land                 | \$0              | \$668,646        | \$0            | \$1,086,822        | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$668,646</b> | <b>\$0</b>     | <b>\$1,086,822</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:**



**PROJECT DETAIL: 2070-General Gov Capital Proje** **Category: Other**

**Project:** 70809\* - Emergency Vehicle Preemption (N) **Funding Source:** Other

**Project Description:** The fifty-eight (58) high-priority Emergency Vehicle Preemption (EVP) installation intersections (located citywide). Forty-eight (48) will be located at arterial to arterial intersections, five (5) will be located at fire station access signals, and five (5) will be located along high priority corridors.

| Capital Costs       | Carryover  | FY 2018          | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|------------------|------------|------------|------------|------------|------------|
| Construction        | \$0        | \$311,416        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Engineering Charges | \$0        | \$15,259         | \$0        | \$0        | \$0        | \$0        | \$0        |
| Arts                | \$0        | \$3,114          | \$0        | \$0        | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$329,789</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:** Estimate confirmation lights will need bulb replaced once a year. (58 locations X 4 bulbs X \$5). Estimate 5% of EVP equipment will need to be replaced in first 5 years and then 10% after that. Estimate after 5 years, trouble calls will be 3 visits to each location annually with 75% being after hours. (3 X 58 locations X 2 hr callout X \$30 X 75%).

**Project:** 70810 - City-Wide ERP Solution (2070) (N) **Funding Source:** Other

**Project Description:** Replacement of the City's ERP system including modules for financials, procurement, budget, and HR. This a multi-year phased project. The current Peoplesoft system will be reaching it's end of life and vendor support within the next two years. This system will replace all PS applications.

| Capital Costs       | Carryover  | FY 2018            | FY 2019            | FY 2020            | FY 2021    | FY 2022    | FYs 23-27  |
|---------------------|------------|--------------------|--------------------|--------------------|------------|------------|------------|
| Equipment           | \$0        | \$875,000          | \$875,000          | \$350,000          | \$0        | \$0        | \$0        |
| Miscellaneous/Other | \$0        | \$1,625,000        | \$1,625,000        | \$650,000          | \$0        | \$0        | \$0        |
| <b>TOTAL</b>        | <b>\$0</b> | <b>\$2,500,000</b> | <b>\$2,500,000</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Operating Description:**



**FUND SUMMARY: 1220-Arts Commission** **Category: Other**

|                                 |                 | <u>FY 2018:</u>    | <u>FY 2019:</u>  | <u>FY 2020:</u>  | <u>FY 2021:</u> | <u>FY 2022:</u> | <u>FYs 23-27:</u> |
|---------------------------------|-----------------|--------------------|------------------|------------------|-----------------|-----------------|-------------------|
| <b>Capital Project Expenses</b> | <u>Carrvoer</u> | <u>New Funding</u> |                  |                  |                 |                 |                   |
| <b>New Assets</b>               |                 |                    |                  |                  |                 |                 |                   |
| 0                               |                 |                    |                  |                  |                 |                 |                   |
| 84650 Municipal Arts Program    | 0               | 200,000            | 200,000          | 142,943          | 0               | 0               | 0                 |
| <b>Sub-Total - New Assets</b>   | 0               | 200,000            | 200,000          | 142,943          | 0               | 0               | 0                 |
| <b>Total Project Expenses:</b>  | <b>\$0</b>      | <b>\$200,000</b>   | <b>\$200,000</b> | <b>\$142,943</b> | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>        |
| <b>Total FY 2018 Funding:</b>   |                 | <b>\$200,000</b>   |                  |                  |                 |                 |                   |

**PROJECT DETAIL: 1220-Arts Commission** **Category: Other**

**Project:** 84650 - Municipal Arts Program (N) **Funding Source:** Capital Plan

**Project Description:** City Council Ordinance No. 1226 created a Municipal Art Fund which provides for the purchase of works of art for public places. This consists of commissioned, non-commissioned and the performing arts, all reviewed and recommended by the Glendale Arts Commission (via the Annual Arts Plan).

| <u>Capital Costs</u> | <u>Carryover</u> | <u>FY 2018</u>   | <u>FY 2019</u>   | <u>FY 2020</u>   | <u>FY 2021</u> | <u>FY 2022</u> | <u>FYs 23-27</u> |
|----------------------|------------------|------------------|------------------|------------------|----------------|----------------|------------------|
| Miscellaneous/Other  | \$0              | \$200,000        | \$200,000        | \$142,943        | \$0            | \$0            | \$0              |
| <b>TOTAL</b>         | <b>\$0</b>       | <b>\$200,000</b> | <b>\$200,000</b> | <b>\$142,943</b> | <b>\$0</b>     | <b>\$0</b>     | <b>\$0</b>       |

**Operating Description:** Total O&M for maintaining the city art inventory is \$173,162.