



Volume Two

Capital Improvement Plan

City of Scottsdale, Arizona
Adopted FY 2015/16 Budget



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- If a “+” sign is at the left of a bookmark, click on the “+” to bring up subheadings.
- All pages are linked to the **Table of Contents**. To jump to a specific page or subsections from the Table of Contents, put the pointer finger on the title or page number within and click the mouse.
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 Capital Improvement Plan
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Scottsdale's Museum of the West
Photo by Bill Timmerman



The City of Scottsdale's FY 2015/16 budget is comprised of two Volumes:

Volume Two – Capital Improvement Plan (CIP) Budget which authorizes and provides the basis for control of expenditures for the acquisition of significant city assets and construction of all capital facilities. A five-year Capital Improvement Plan is developed and updated annually, including anticipated funding sources. Under state law, budget appropriations lapse at the end of the fiscal year. As part of the annual budget development process the city must re-budget the appropriations until the project is complete and capitalized.

The CIP is prioritized based on City Council's mission and broad goals, the city's General Plan, Citizen Boards and Commissions, the comprehensive financial policies, debt and capital management policies, long range financial forecasts and growth and development assumptions.

The **Overview** section of Volume Two describes recurring capital maintenance projects in further detail, the guidelines used to determine whether a project is a capital project, and the city's capital project review process, which includes review teams and prioritization criteria. The CIP prioritization criteria describe in detail the measures used by the city's two separate CIP teams (Construction and Technology) to rate the various proposed construction related and technology related capital projects. The CIP review process also covers senior management's involvement. The overview section concludes with a summary of operating impacts of capital projects.

The **Funding** section is a summary of the various sources of funds and how those funds are used to pay for CIP projects. The funding section concludes with the Financial Summary and Five Year Financial Forecast.

The **Project Lists and Operating Impacts** section includes four lists:

- Capital Project List – Alphabetical by Project Name – this list summarizes all capital projects in alphabetical order.
- Capital Project List – By Division – this list summarizes all capital projects by city division.

- Capital Project List – By Program - this list summarizes all capital projects by major program.
- Estimated Operating Impacts – This list summarizes the projected operating costs associated with capital projects.

The first three project lists reflect each project's adopted FY 2015/16 budget with the forecasted funding through FY 2019/20. The forecasted funding, which includes FY 2016/17 through FY 2019/20 was not adopted by City Council as part of the FY 2015/16 budget. This information serves as part of the city's long-term capital plan process and will be revisited and updated in future budget reviews. The Estimated Operating Impacts list includes a four-year summary of the projected operating costs associated with capital projects. The operating impacts for projects completed prior to or during FY 2015/16 are calculated and included in the Adopted Operating Budget.

The remaining sections of Volume Two include detailed information arranged by major program on each of the city's capital projects, including Community Facilities, Preservation, Drainage/Flood Control, Public Safety, Service Facilities, Transportation and Water Management. The detailed information includes location, project description, funding source(s) and project number, if applicable.

Volume One – Operating Budget provides fund summaries and five-year financial plans for each of the city's funds. This volume also provides detailed information on each of the city's divisions and departments, including descriptions, prior year highlights, priorities, staffing, and a summary of the operating budgets by expenditure category and the applicable funding sources.

Recurring Capital Maintenance Projects

Recurring capital maintenance projects reflect the recurring expenditure needs of the city. These projects include budget appropriation for one fiscal year, and are reviewed by the Budget staff as part of the budget development process each year. The desired goal is to close out the projects within one year. The projects may be carried forward into the next fiscal year when their completion requires more time than originally anticipated. The recurring capital maintenance projects are assigned a project number with the prefix "Y".

Definition of CIP Projects

The following guidelines determine what a CIP project is:

- Relatively high monetary value (at least \$25,000)
- Long life (at least five years)
- Results in creation of a fixed asset, or the revitalization of a fixed asset

Included within the above definition of a CIP project are the following items:

- Construction of new facilities
- Remodeling or expansion of existing facilities
- Purchase, improvement and development of land
- Operating equipment and machinery for new or expanded facilities
- Planning and engineering costs related to specific capital improvements
- Street construction, reconstruction, resurfacing or renovation

In general, automotive and other rolling stock, personal computers, and other equipment not attached to or part of new facilities are not included as a CIP project. The exception to this is when the aggregate dollar amount of all the items are of a considerable value that they are grouped together and considered as a single capital project.

CIP Review Process

The City of Scottsdale uses two cross-divisional CIP Review Teams, one for review of construction related projects and the other for review of technology related projects. The **Construction Review Team** consists of individuals from a variety of divisions and professional disciplines to review project submissions and ensure that:

- Projects are scoped properly (a building has ADA access, includes telephones, computers, etc.)
- Infrastructure components are coordinated (a waterline is installed at the same time as a roadway improvement at a specific location)
- Long-term operating impacts are included in estimates (staffing, utility and maintenance costs are considered)
- Timeframes for construction activity and cash flow requirements are realistic
- Projects are coordinated geographically (i.e., not more than one north/south major thoroughfare is restricted at a time), and
- Project costs are reviewed to determine the adequacy of the budget and appropriate funding sources

The **Technology Review Team** includes individuals from a variety of divisions to review technology project submissions and ensure that:

- Projects meet city's current hardware, software and security standards
- If technology will be accessed from remote locations, what network bandwidth requirements are needed to support the application
- Long-term operating impacts are included in estimates (training, maintenance and support)
- Who is responsible for funding ongoing maintenance of hardware, operating system, application and database, if applicable
- Who is responsible for day-to-day support
- Does the system require after hours technical support
- Includes funding to cover ongoing monthly communication costs associated with the system, if applicable

- Backups and data retention have been considered
- Disaster recovery and security considerations have been taken into account

While these illustrations are not exhaustive they provide excellent examples of the value added through project review by cross-divisional teams.

Each division is required to submit new funding requests to the City Treasurer's Office, who then compiles the information for the applicable CIP review team. If the review teams have questions concerning a request, the divisions are asked to clarify the issue to assist the review team in prioritizing the projects against all city needs.

After this thorough review process, the CIP review teams prioritize the projects based on City Council's broad goals, division priorities, anticipated funding sources, and the International City/County Management Association (ICMA) Project Prioritization Matrix. The ICMA Prioritization Criteria were obtained from *Capital Projects: New Strategies for Planning, Management, and Finance*, Copyright 1989, pp 85-87, and adjusted for the City of Scottsdale.

The seven prioritization criteria used by Scottsdale for construction related projects are:

1. Annual Recurring Costs - The expected change in operation and maintenance costs. Divisions provide annual estimates of the additional costs or reductions in the operating budget resulting from the new project. Also to be considered are changes in revenues that may be affected by a project. For example, the loss in property taxes incurred when private land is used for a capital project.

2. Health and Safety Effects - This criterion includes health-related environmental impacts like reductions/increases in traffic accidents, injuries, deaths, sickness due to poor water quality, health hazards due to sewer problems, etc.

3. Community Benefits - Economic impacts such as property values, the future tax base, added jobs, income to citizens, changes in business income and the stabilization (or revitalization) of neighborhoods. Such impacts may apply more to capital projects related to growth and expansion than to infrastructure maintenance,

although deteriorating structures can adversely affect business. This is also a catch-all criterion for other significant quality-of-life-related impacts such as community appearance, noise, air and water pollution effects, households displaced, damage to homes, effect on commuters, changes in recreational opportunities, etc. This criterion is also an assessment of the extent of public support and interest group advocacy and/or opposition.

4. Distributional Effects - Estimates of the number and type of persons likely to be affected by the project and nature of the impact; for instance, explicit examination of project impact on various geographical areas; on low-moderate income areas; and on specific target groups. Equity issues are central here - who pays, who benefits, and the social goals of the jurisdiction.

5. Project Feasibility - This element is a measure of special implementation problems (i.e., physical or engineering restraints) and compatibility with the General Plan. Project feasibility also includes the amount of uncertainty and risk. For each proposal, each of the criteria will have associated with it some degree of uncertainty as to cost estimates, effect on service quality or impact of new procedures. When substantial uncertainties exist regarding any of the evaluation criteria for any proposal, the city should consider estimating, at least in broad terms, the amount of uncertainty, probability of occurrence and the magnitude of the likely negative consequences. Few cities generate such information but even "educated guesses" are useful here. Another component of this criterion is the possible beneficial/adverse effects on relationships with other jurisdictions or quasi-governmental agencies in the area. Such effects, i.e., waste disposal via landfills in other jurisdictions, are likely to require special regional coordination and could impair the proposal's attractiveness.

6. Implication of Deferring the Project - Deferring capital projects is tempting for hard-pressed governments but an estimate of the possible effects, such as higher future costs and inconvenience to the public, provides valuable guidance in a proposal assessment.

7. Mayor and City Council's Broad Goals - If a capital project directly addresses the Mayor and City Council's broad goals, the relative attractiveness of that project increases.

The six prioritization criteria used by Scottsdale for technology related projects are:

1. Annual Recurring Costs - This element reflects other costs relative to a proposed project, including operation and maintenance (O&M) costs, licensing costs and potential revenues generated by the completed project. If a project has potentially high O&M and licensing costs, then a lower rating should be assigned. If a project has the potential of generating revenues, then a higher rating should be assigned. Overall, the score for this element should reflect a compilation of all three factors.

2. Technological Infrastructure - This criterion refers to projects required to maintain the technology infrastructure for essential city operations. This would include such items as networks and servers, telephone PBX, extension or improvements to the Wide Area Network for remote locations, etc. Projects that include elements related to these items would be scored higher than projects that don't support the integrity of the technology infrastructure.

3. Community Benefits - This element considers the impacts that a project may have on service and the benefits the project may offer to citizens or staff members. This criterion should be viewed in terms of the numbers of citizens or staff members that may benefit from the project and how a service may be enhanced by the project. This element deals with the extent of influence of a proposed project. The impacts and benefits may be spread over the community at-large, to a specific geographic area, to the entire city staff or to specific city staff at specific locations.

4. Project Feasibility - This element is a measure of special implementation problems (i.e. physical and engineering restraints), and compatibility with the city's overall Technology Plan. A project would be considered for a higher rating score if it has few restraints to accomplish it and is also compatible with the overall Technology Plan. This element measures the success potential of a proposed project. Rating scores should be awarded based on the accuracy of information given by the proposing division, the detail of cost estimates and the potential of the project going awry due to its very nature. Lower rating scores will be assigned for projects that, basically, have insufficient information to allow a "good" review of the project for prioritization. Rating

scores should also be determined based on the possible beneficial or adverse effects on a proposed project due to relationships with other jurisdictions or quasi-governmental agencies in the area. Such effects may require special regional coordination that could directly impact the success or scheduling of a project. The identification of such impacts may result in lower rating scores until such issues are resolved.

5. Implication of Deferring the Project - This element accounts for the downside risk incurred for deferring a project, such as higher future costs, loss of contributions, continued inconvenience to the public and staff, possible constraints to network capacity, deterioration of the city's technology infrastructure or legal liability. In this evaluation, increased implications for delaying a project translates into a higher rating score.

Projects that address the limitations of a system or software package that may render a system unusable if corrective measures are not taken would score high for this element. In addition, a higher score might be in order if future lower costs associated with technology would come into the equation.

6. Mayor and City Council's Broad Goals - If a capital project directly addresses the Mayor and City Council's broad goals, the relative attractiveness of that project increases.

The Construction Review Team and the Technology Review Team forward their prioritization results to the CIP Advisory Team for the next phase of review. This group includes senior management and key staff members who provide an enterprise-wide view for synergy and priority while balancing project requests against known City Council objectives. After their review is completed, members of the CIP Advisory Team present the recommended five-year CIP to the City Manager and City Treasurer. Both review the recommended five-year CIP, applying a policy perspective while considering citywide needs. The full City Council reviews and recommends the five-year CIP plan during budget work study sessions and public hearings prior to budget adoption.

Operational Impacts

The operating impacts of capital projects are analyzed and taken into consideration during the extensive CIP prioritization process. Estimated new revenues and/or operational expenditure savings associated with capital projects are also taken into consideration (net operating costs) during the capital project review. As capital improvement projects are completed, the operating costs of these projects have been identified, prioritized, and justified as part of divisional Operating Budget process. Divisional staff plan and budget for the significant start-up costs, as well as the operation and maintenance of new facilities. The Operating Budget authorizes and provides the basis for control of operating expenditures for both internal and citizen services, including operating and maintaining new capital facilities. The Operating Budget appropriations lapse at the end of the fiscal year. The Operating Budget is funded with recurring annual revenues such as taxes, licenses, fines, user fees and interest income.



FY 2015/16 Adopted Budget

Scottsdale's Museum of the West
Photo by Bill Timmerman



The Capital Improvement Plan (CIP) uses funding from prior year carryovers. Prior year carryovers are “blended” funding from various funding sources. For FY 2015/16 – 2019/20 the funding added to the prior year carryovers includes the Preservation General Obligation (G. O.) Bonds and Municipal Property Corporation (MPC) Bonds. These provide the bond-funded portion of the plan, which is approximately 24 percent of the CIP funding in FY 2015/16 – 2019/20. Approximately 41 percent of Scottsdale’s FY 2015/16 – 2019/20 CIP is funded with Enterprise and Preservation funding, and approximately 35 percent is funded by “pay-as-you-go” revenues, which include dedicated sales tax revenues and contributions from fund balance transfers. The three percentages listed indicate that the FY 2015/16 -20/19/20 CIP is in compliance with financial policy number 24, which states that pay-as-you-go Capital Improvement Plan financing should account for a minimum of 25 percent of all capital improvement projects, excluding Preservation and Enterprise for each five-year planning period. Pay-as-you-go financing is defined as all sources of revenue other than city debt issuance. The pie chart at the end of this section represents funding source percentages for FY 2015/16 – 2019/20.

Funding sources for the CIP are presented on a cash flow basis. These revenue sources are presented in the period that the revenue is expected to be collected. Funding sources include estimated balances on hand at the beginning of the period as well as revenue expected to be received during the period or future periods, i.e. bond issuances. As a result of presenting revenue on the cash basis, pay-as-you-go funding sources do not equal budgeted expenditures in each period, sometimes creating a fund deficit for project expenditures in subsequent years.

All potential capital funding resources are evaluated to ensure equity of funding for the CIP. Our measure of whether equity is achieved is if the beneficiaries of a project or service pay for it. For example, general tax revenues and/or G.O. Bonds appropriately pay for projects that benefit the general public as a whole. User fees, development fees, and/or contributions pay for projects that benefit specific users. Other factors considered when funding the capital plan are whether the financing method provides funding when needed and the financial costs associated with the funding source. The following summarizes the funding sources for the CIP.

General Obligation (G.O.) Bonds and Municipal Property Corporation (MPC) Bonds

General Obligation (G.O.) Bonds are bonds secured by the full faith and credit of the issuer. G.O. Bonds issued by local units of government are secured by a pledge of the issuer’s property taxing power (secondary portion). They are usually issued to pay for general capital improvements such as parks and roads.

General Obligation (G.O.) Preserve are bonds payable either (1) solely from and secured by a 0.2 percent sales tax approved by city voters in 1995 and issued for the purpose of acquiring land for the McDowell Sonoran Preserve; or (2) solely from and secured by a 0.15 percent sales tax approved by city voters in 2004 and issued for the purpose of acquiring land and preserve-related construction, such as proposed trailheads for the McDowell Sonoran Preserve. If the preservation sales tax is insufficient to service the debt, secondary property tax would be utilized for debt payments.

Municipal Property Corporation (MPC) Bonds Water and/or Water Reclamation represents bonds issued by the Municipal Property Corporation (MPC), a non-profit corporation established to issue bonds to fund city capital improvements. The debt incurred by the corporation is a city obligation, but does not require voter approval. Pledged revenue streams, in this instance water and water reclamation rates, finance the repayment of MPC debt.

Municipal Property Corporation (MPC) Bonds Other are issued by the Municipal Property Corporation, a non-profit corporation established to issue bonds to fund city capital improvements. The debt incurred by the corporation is a city obligation, but does not require voter approval. Pledged revenue streams, in this instance excise taxes, finance the repayment of MPC debt.

Enterprise Funds

Water & Water Reclamation Rates are utility bill revenues received from the sale of domestic water and the fees collected for the disposal of sanitary sewer waste from customers within the city. Water & water reclamation operating revenues in excess of operating expenditures are transferred to the CIP to fund water and water reclamation capital improvement projects.

Aviation Fees represent fee revenues received from users of the city’s municipal airport and related facilities.

Fees paid include transient landing fees, tie down fees, hangar fees, etc.

Solid Waste Rates represent utility bill revenues received for the collection and disposal of solid waste from residential and commercial customers.

Internal Service Funds

Internal Service Funds represent revenues received for services provided to internal customers.

Fleet Fund represents revenues from the city's fleet rates and per financial policy is restricted to use for improvements to facilities providing maintenance services to the city's rolling stock, the replacement of rolling stock, and the administration of the program.

Transportation

Transportation Privilege (Sales) Tax represents revenues received from the 1989 voter approved 0.2 percent sales tax on local retail and other sales. Per the city's financial policy number 27, no more than fifty percent of the privilege (sales) tax revenue for transportation improvements will be allocated to transportation improvement operating expenses.

Prop 400 Regional Transportation (Sales) Tax represents revenues received from the 2004 voter approved 20-year extension of a half-cent transportation sales tax in Maricopa County that was first approved in 1985 to fund freeway construction (Proposition 400).

Preserve

Preservation Privilege Tax Fund represents revenues received from the 1995 voter approved 0.2 percent sales tax on local retail and other sales and is dedicated to the purpose of acquiring land for the McDowell Sonoran Preserve and revenues received from the 2004 voter approved 0.15 percent sales tax on local retail and other sales and is dedicated to purpose of acquiring land and construction of essential preserve related necessities such as proposed trailheads for the McDowell Sonoran Preserve.

Tourism Development

Tourism Development Funds represents revenues received from the voter approved transient lodging (bed) tax of 5 percent on hotel and motel room rentals in addition to sales tax. Tourism development revenue is

transferred to the CIP when City Council approves using it as a funding source for specific capital projects.

Other

Interest Earnings represents interest earnings on cash balances on hand in the various funds under the Capital Improvement Program.

Other Contributions represent amounts paid by other organizations for capital projects including developers, the Scottsdale Charros and the San Francisco Giants.

Intergovernmental represents amounts paid by other organizations for capital projects through intergovernmental agreements (IGAs), and include the Maricopa County Flood Control District (MCFCD) and the Salt River Pima-Maricopa Indian Community (SRPMIC).

Grants represent revenues received from federal or state sources. Most grants require a matching funding source with the percentage of the match dependant on grant requirements. The funding is restricted in use to the improvements requested and approved in the grant application.

Miscellaneous funding represents revenues from several sources (groundwater treatment, reclaimed water distribution, and in-lieu fees, etc.) that are aggregated for reporting purposes.

Special Programs Fund represents revenues from dedicated funding sources and donations earmarked for specific purposes (i.e., Racketeering Influenced Corrupt Organization (RICO), Court Enhancement Fund (CEF)).

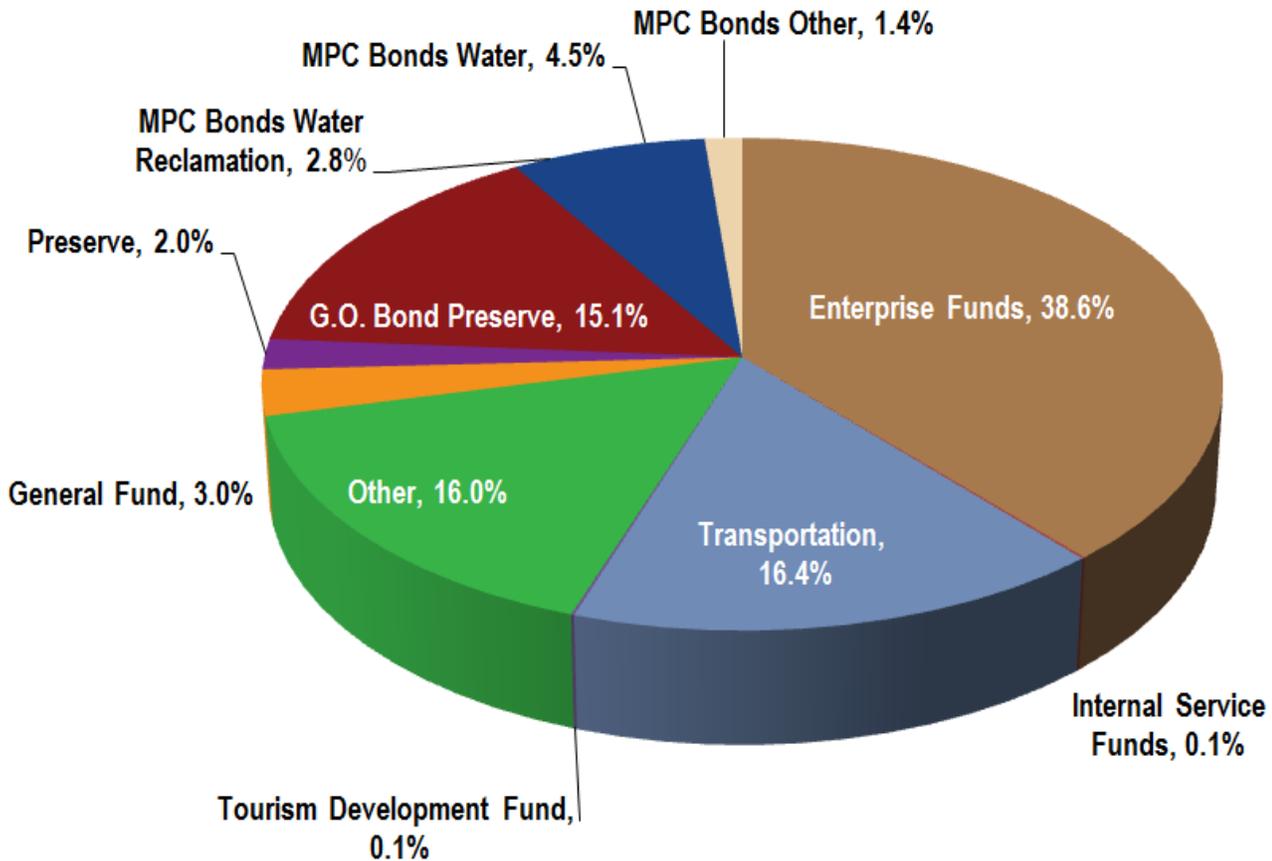
General Fund

General Fund represents the transfer of cash from the General Fund to fund the "pay-as-you-go" (PAYGO) contributions from general revenues for capital projects that do not have a dedicated funding source. The General Fund transfer of cash to the CIP is (1) considered and approved by the City Council each fiscal year and (2) complies with the city's financial policy number 17 that states it will be at a minimum of 25 percent of construction privilege (sales) tax revenues plus 100 percent of net interest income in excess of \$1.0 million.

Prior Year Carryovers

Prior year carryovers are committed funds from prior years that are re-budgeted until they are expended, uncommitted or until the projects are completed.

**FY 2015/16 Capital Improvement Plan
Source of Funds (FY 2015/16 - 2019/20)
Percent of Totals**



The Capital Improvement Plan (CIP) is comprised of seven major programs:

- Community Facilities
- Drainage /Flood Control
- Preservation
- Public Safety
- Service Facilities
- Transportation
- Water Management

The Use of Funds pie chart represents the percentages for each major program.

Expenditures are presented on a budget basis rather than a cash flow basis. Governmental budgeting procedures require adequate budget to pay for the entire contract to be available and appropriated in the period in which a contract is entered into by the city. However, actual cash flows (expenditures) under the contract generally take place over more than one year and match cash flow funding receipts.

The following summarizes the seven major programs that comprise the total Capital Improvement Plan.

Community Facilities programs focus on enhancing and protecting a diverse, family-oriented community where neighborhoods are safe and well maintained by providing neighborhood recreation facilities, parks and libraries. These recreational needs are met by providing parks, park improvements, multiuse paths, neighborhood enhancements, youth sports lighting, aquatic centers, library facilities and senior centers. Approximately 2.0 percent of the CIP has been identified to address the needs of this program.

Drainage/Flood Control focuses on protecting a diverse, family-oriented community where neighborhoods are safe and well maintained by preventing property damage from flooding. This program achieves these goals through flood plain mapping, meeting regulatory requirements, and identifying and correcting hazards to reduce future flood damage potential. This is accomplished through the use of detention basins, culvert and channel projects, and a program of neighborhood drainage improvements. Approximately 3.5 percent of the CIP has been identified to address the drainage and flood control needs of the city.

Preservation focuses on preserving the character and environment of Scottsdale. This goal is met by land acquisition activities for the McDowell Sonoran Preserve for the purpose of maintaining scenic views, preserving native plants and wildlife, and providing public access to the McDowell Mountains and Sonoran Desert. The 1998 election expanded the recommended study boundary from the original 12,876 acres to 36,400 acres. The 2004 election provided an additional revenue stream (0.15 percent sales tax rate increase) as well as the bonding capacity (\$500.0 million) that continues to provide authority to carry on preservation efforts. Approximately 36.0 percent of the CIP has been identified to address this program.

Public Safety focuses on enhancing and protecting a diverse, family-oriented community where neighborhoods are safe. This goal is met by providing fire and police stations, training facilities and automation and communication systems related to fire and police operations. Approximately 0.9 percent of the CIP has been identified to address the public safety needs of the city.

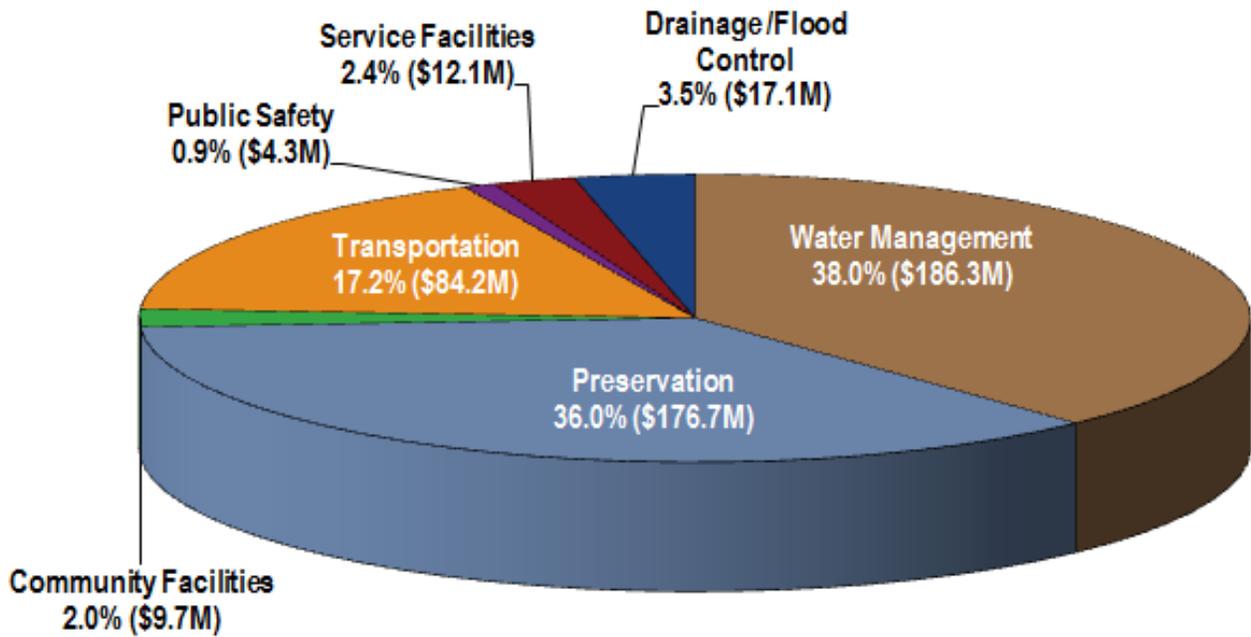
Service Facilities programs focus on coordinating land use and infrastructure planning within the context of financial demands and available resources. These programs achieve this goal through the renovation of current facilities and technology needs necessary for the efficient and effective operations of the city. Approximately 2.4 percent of the CIP has been identified to address this program.

Transportation programs focus on providing for the safe, efficient, and affordable movement of people and goods. This program meets this goal by attempting to offer real transportation choices in a way that meets the needs of the community. In 1989 voters authorized a 0.2 percent privilege tax to fund transportation improvements. In 2004 voters approved a 20-year extension of a half-cent transportation sales tax in Maricopa County that was first approved in 1985 to fund freeway construction. This program looks for the best use of these funding sources and addresses the multi-modal concept. Approximately 17.2 percent of the CIP has been identified to address the transportation needs of the city.

Water Management focuses on coordinating land use and infrastructure planning within the context of financial demands and available resources. This program achieves this goal by delivering safe, reliable water and providing wastewater services. This program also reflects

the city's commitment to federal and state regulations. Approximately 38.0 percent of the CIP has been identified to address the water and water reclamation needs of the city.

**FY 2015/16 Adopted Capital Improvement Plan
Budgeted Program Expenditures
Percent of Total - \$490,448,000 ***



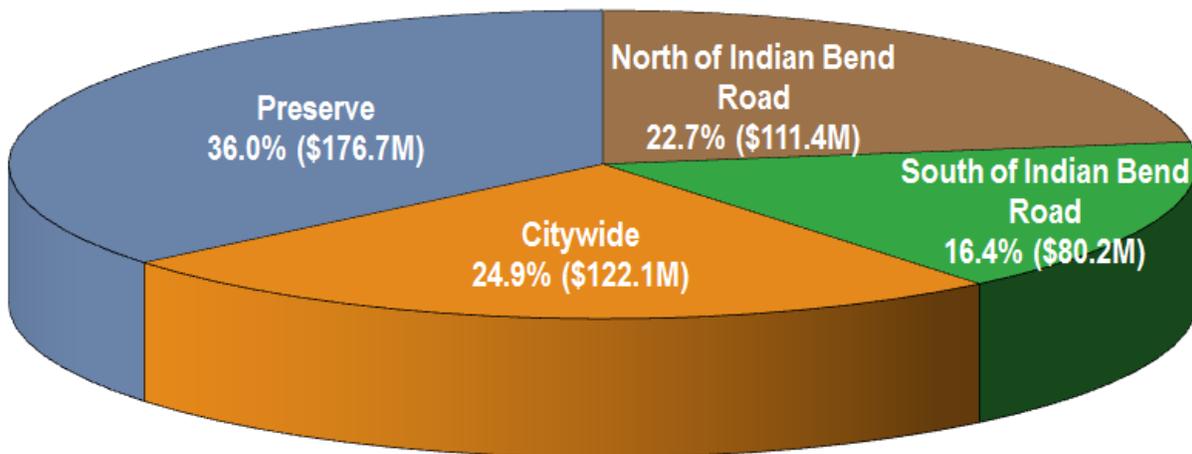
* Excludes Capital and Grant Contingency of \$34.9 million.

**Capital Improvement Plan - Use of Funds
In Thousands of Dollars**

Major Programs	2015/16	2016/17	2017/18	2018/19	2019/20
Community Facilities	9,720.6	202.2	202.2	202.2	202.2
Preservation	176,671.6	3,280.0	3,280.0	2,280.0	-
Drainage/Flood Control	17,078.7	5,121.4	1,323.0	1,787.0	28,560.4
Public Safety	4,344.1	1,934.8	1,536.1	1,628.8	1,237.5
Service Facilities	12,096.5	2,704.4	2,814.3	4,168.2	3,302.2
Transportation	84,220.8	47,593.7	21,104.5	12,484.1	9,500.0
Water Management	186,315.7	45,917.5	33,858.9	25,993.0	17,455.5
Total Expenditures (a)	490,448.0	106,754.0	64,119.0	48,543.3	60,257.8
Prior Year Unexpended (b)		235,825.9	204,046.2	152,005.9	113,420.3
Unexpended at Year End (re-budgets) (c)	(235,825.9)	(204,046.2)	(152,005.9)	(113,420.3)	(98,709.8)
Transfers out to CIP Water and Water Reclamation Funds (d)	15,071.3	16,882.6	7,996.6	1,860.3	3,272.8
Transfers out to Aviation Operating Fund (e)	113.5	-	-	-	-
Transfers out to Debt Services (f)	16,091.4	16,644.7	16,769.6	16,843.4	16,947.0
Transfers out to CIP Tourism Development Fund (g)	150.0	-	-	-	-
Transfers out to CIP Fleet Fund (h)	1,875.0	-	-	-	-
Total Use of Funds	287,923.4	172,061.0	140,925.5	105,832.6	95,188.1

- (a) Excludes Capital and Grant Contingency of \$34.9 million in FY 2015/16 and \$9.5 million annually in subsequent years.
- (b) Prior year unexpended estimates are based on annual cashflow assumptions.
- (c) Unexpended at year end (re-budgets) estimates are based on annual cashflow assumptions.
- (d) Reimbursement to CIP Water and Water Reclamation Funds.
- (e) Reimbursement to Aviation Operating Fund.
- (f) Includes payment of the debt service costs of bonds that were issued for growth CIP projects that were funded with development fee revenue.
- (g) Reimbursement to CIP Tourism Development Fund.
- (h) Reimbursement to Fleet Fund.

**FY 2015/16 Adopted Capital Improvement Plan
Budgeted Program Expenditure
by Geographic Boundary
Percent of Total - \$490,448,000***



*Excludes Capital and Grant Contingency of \$34.9 million

Capital Improvement Plan Financial Summary & Five Year Forecast

	Actual 2013/14	Adopted 2014/15	Forecast 2014/15	Adopted 2015/16	Forecast 2016/17	Forecast 2017/18	Forecast 2018/19	Forecast 2019/20
Beginning Fund Balance ^(A)	179,037.9	150,181.2	177,699.7	172,123.8	117,798.4	67,614.6	56,561.8	33,379.7
Revenues								
Bonds/Contracts								
General Obligation Preserve	13,739.4	100,000.0	-	100,000.0	-	-	-	-
Municipal Properties Corporation	-	18,045.0	27,883.2	9,600.0	-	-	-	-
Municipal Properties Corporation-Water	-	-	-	-	-	30,000.0	-	-
Municipal Properties Corporation-Sewer	-	-	14,604.9	5,800.0	-	13,000.0	-	-
Pay-As-You-Go								
Water & Water Reclamation Development Fees	15,139.9	162.2	5,300.0	3,100.0	3,100.0	3,100.0	3,100.0	3,100.0
Regional Transportation Sales Tax (Prop 400)	11,675.6	12,361.6	3,027.1	6,423.0	16,868.7	12,950.7	14,672.0	2,788.0
Grants	12,364.7	6,766.2	9,220.4	19,146.6	19,328.2	2,655.4	324.0	3,790.0
Intergovernmental	1,525.1	400.0	3,278.0	2,587.0	5,046.4	1,248.0	1,712.0	28,160.4
In-Lieu Fees	101.4	110.0	120.0	120.0	120.0	120.0	120.0	120.0
Other Contributions	216.1	134.8	847.3	372.3	134.8	329.2	2,373.7	134.8
Interest Earnings	753.0	652.7	305.3	290.3	253.8	170.7	211.2	(95.3)
Miscellaneous	11,543.3	-	3,397.0	3,397.0	3,397.0	3,397.0	3,397.0	3,397.0
Subtotal	67,058.4	138,632.5	67,983.1	150,836.2	48,248.9	66,971.0	25,909.9	41,394.9
Transfers In								
General Fund	5,893.0	13,116.0	12,874.8	6,157.2	2,692.7	3,503.5	3,717.9	3,861.9
General Fund CIP	345.6	-	-	150.0	-	-	-	-
Transportation Fund CIP	8.8	-	-	-	-	-	-	-
Transportation Fund	9,096.4	9,256.1	9,525.4	13,558.8	9,890.2	10,191.8	10,583.6	10,923.3
CFD Fund	110.1	-	-	-	-	-	-	-
CIP In Lieu Stormwater Fund	84.0	-	-	-	-	-	-	-
CIP Bed Tax Fund	1,948.7	3,043.2	-	-	-	-	-	-
Preservation Privilege Tax Funds	2,712.8	2,000.0	6,029.6	4,280.0	3,280.0	3,280.0	2,280.0	-
Tourism Development	-	2,650.3	2,210.0	150.0	-	-	-	-
GO Bond	9,646.2	-	-	-	-	-	-	-
Special Programs Fund	4,563.6	584.7	2,119.5	225.7	359.4	21.0	23.2	22.1
Aviation Fund	1,111.3	133.0	1,666.0	7.4	716.7	108.8	153.4	21.1
Water & Water Reclamation Fund	391.5	47,353.5	49,198.7	55,350.1	56,614.6	45,767.2	39,894.6	40,200.7
CIP Water Reclamation Bonds	51,543.4	8,800.0	-	-	-	-	-	-
MPC Fund	10,619.5	-	-	-	-	-	-	-
Debt Service Fund	125.0	-	-	-	-	-	-	-
Solid Waste Fund	3,932.1	303.6	108.6	2,091.0	46.1	18.1	54.2	36.7
Fleet Fund	14.2	609.4	609.4	786.3	22.4	8.7	26.1	17.7
Internal Service Funds	2.8	4.5	4.5	5.4	6.0	2.6	7.6	5.2
Subtotal	102,149.0	87,854.3	84,346.6	82,761.9	73,628.2	62,901.7	56,740.6	55,088.7
Total Sources	169,207.4	226,486.8	152,329.7	233,598.0	121,877.1	129,872.7	82,650.5	96,483.6
Total Fund Balance and New Sources	348,245.3	376,668.0	330,029.3	405,721.8	239,675.6	197,487.3	139,212.3	129,863.3
Use of Funds:								
Expenditures								
Program								
Community Facilities	38,302.4	40,596.0	24,449.3	9,720.6	202.2	202.2	202.2	202.2
Preservation	23,660.4	174,906.3	6,057.5	176,671.6	3,280.0	3,280.0	2,280.0	-
Drainage/Flood Control	6,452.3	13,158.6	11,914.9	17,078.7	5,121.4	1,323.0	1,787.0	28,560.4
Public Safety	7,232.8	9,640.7	5,875.4	4,344.1	1,934.8	1,536.1	1,628.8	1,237.5
Service Facilities	2,994.1	13,001.5	5,718.1	12,096.5	2,704.4	2,814.3	4,168.2	3,302.2
Transportation	21,672.2	114,268.3	35,853.0	84,220.8	47,593.7	21,104.5	12,484.1	9,500.0
Water Management	20,623.1	140,538.7	49,198.2	186,315.7	45,917.5	33,858.9	25,993.0	17,455.5
Prior Year Unexpended ^(A)	-	-	-	-	235,825.9	204,046.2	152,005.9	113,420.3
Subtotal	120,937.3	506,110.1	139,066.4	490,448.0	342,579.9	268,165.2	200,549.2	173,678.1
Less: Estimated Capital Improvement Expenditures	-	(232,138.1)	-	(254,622.1)	(138,533.6)	(116,159.4)	(87,128.8)	(74,968.3)
Subtotal: Unexpended at Year End	-	273,972.0	-	235,825.9	204,046.2	152,005.9	113,420.3	98,709.8
Transfers Out								
CIP General Fund	10,691.4	3,043.2	-	-	-	-	-	-
To Debt Service Fund	501.2	-	-	-	-	-	-	-
To MPC Bond Fund	884.4	-	-	-	-	-	-	-
To GO Bond CIP Fund	159.4	-	-	-	-	-	-	-
To CIP Water & Water Reclamation Funds	2,484.1	-	2,754.2	15,071.3	16,882.6	7,996.6	1,860.3	3,272.8
CIP Bed Tax Fund	10,805.8	-	-	150.0	-	-	-	-
Bed Tax Fund	-	-	32.1	-	-	-	-	-
Preservation Privilege Tax Funds	881.6	-	-	-	-	-	-	-
CIP Transportation Fund	492.0	-	-	-	-	-	-	-
Aviation Operating	1,124.3	430.0	-	113.5	-	-	-	-
Development Fees Transfer for Debt Service	16,608.0	15,101.4	16,001.4	16,091.4	16,644.7	16,769.6	16,843.4	16,947.0
RWDS	-	900.0	-	-	-	-	-	-
Solid Waste Fund	3,062.4	-	-	1,875.0	-	-	-	-
To Special Programs Fund	246.0	-	-	-	-	-	-	-
Subtotal	47,940.5	19,474.6	18,787.7	33,301.2	33,527.3	24,766.2	18,703.7	20,219.8
Total Uses	168,877.8	251,612.8	157,854.1	287,923.4	172,061.0	140,925.5	105,832.6	95,188.1
Other GAAP Adjustments ^(B)	(1,667.8)	-	(51.4)	-	-	-	-	-
Ending Fund Balance								
Capital Grant Contingency ^(C)	1,970.1	5,000.0	-	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0
Capital Airport Grant Contingency ^(C)	-	5,750.0	-	3,850.1	-	-	-	-
Capital General Contingency ^(C)	5,261.0	4,500.0	-	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0
Reserved:								
Reserved Fund Balance	177,699.7	125,055.3	172,123.8	117,798.4	67,614.6	56,561.8	33,379.7	34,675.2
Total Ending Fund Balance	177,699.7	125,055.3	172,123.8	117,798.4	67,614.6	56,561.8	33,379.7	34,675.2

Note: amounts rounded in thousands of dollars

(A) Prior year unexpended sources and uses of funds are estimated and included in Beginning Fund Balance (Sources) or by program (Uses). Prior year unexpended uses are based on annual cashflow estimates.

(B) Impacts fund balance, but does not affect revenues or expenses.

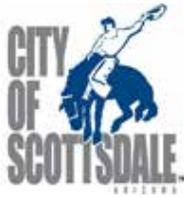
(C) Capital Grant Contingency, Capital Airport Grant Contingency and Capital General Contingency are unfunded contingencies that allow for the expenditure of unanticipated revenues and is not included in the beginning or ending fund balance. City Council approval is required before making expenditures from capital contingencies.



FY 2015/16 Adopted Budget



Scottsdale's Museum of the West
Photo by Bill Timmerman



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

The **Project List** section includes four lists. The first three lists summarize all capital projects in 1)alphabetical order, 2)city division and 3)program. The fourth list summarizes the projected operating costs associated with capital projects. The first three project lists reflect each project's adopted FY 2015/16 budget with the forecasted funding through FY 2019/20. The forecasted funding, which includes FY 2016/17 through FY 2019/20, was not adopted by the City Council as part of the FY 2015/16 budget adoption. This information serves as part of the city's long-term capital planning process and will be revisited and updated in future budget reviews. The estimated operating impacts list includes a four-year summary of the projected operating costs associated with capital projects. The operating impacts for projects completed prior to or during FY 2015/16 are calculated and included in the Adopted Operating Budget. Following the four lists are project descriptions which include detailed information arranged by major program on each of the city's capital projects, including Community Facilities, Preservation, Drainage/Flood Control, Public Safety, Service Facilities, Transportation and Water Management. The detailed information includes project location, project description, funding source(s) and project number, if applicable.

Project	Estimated Expenditures Thru 06/30/15	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
		Adopted	Forecast	Forecast	Forecast	Forecast		
124th & 128th Street - Street, Intersection and Multi-Use Path Improvements (SB55)	(125.3)	1,100.0	-	-	-	-	1,100.0	87
3D Laser Scanner (JB52)	(86.6)	97.0	-	-	-	-	97.0	60
3rd Avenue and North Craftsman Court Drainage (FB56)	-	60.0	-	-	-	-	60.0	48
8525 East Pinnacle Peak Road Drainage (FB58)	(17.1)	61.0	-	-	-	-	61.0	48
9-1-1 Communication Equipment Replacement (JB51)	(1,027.9)	1,128.3	-	-	-	-	1,128.3	60
9-1-1 Voice Logging Recorder Replacement (MB60)	(209.8)	240.7	-	-	-	-	240.7	60
98th Street West Half Improvement - North of McDowell Mountain Ranch Road (TEMP1610)	-	-	150.0	850.0	-	-	1,000.0	87
Adaptive Recreation Building Remodel (PB67)	(616.2)	641.0	-	-	-	-	641.0	40
Additional Compressed Natural Gas (CNG) Fuel Dispensers (BB51)	(328.8)	434.9	-	-	-	-	434.9	68
Additional Servers for Digital Evidence and Forensic Recovery (JB63)	(138.1)	170.1	-	-	-	-	170.1	60
Additional CNG Station (BC01)	-	2,640.0	-	-	-	-	2,640.0	68
Advance Water Treatment Plant Membranes - Wastewater (VB69)	-	401.2	-	-	401.2	812.6	1,615.0	107
Advance Water Treatment Plant Membranes - Water (WB65)	-	70.8	-	-	70.8	143.4	285.0	116
Advanced Authentication via HID Cards (JB54)	(44.5)	52.3	-	-	-	-	52.3	61
Advanced Mobile Solutions (JB61)	-	105.8	-	-	-	-	105.8	61
Advanced Traffic Signal Control Cabinets - Phase I (TC04)	-	721.0	-	-	-	-	721.0	95
Advanced Traffic Signal Control Cabinets - Phase II (TEMP1191)	-	-	721.0	-	-	-	721.0	95
Air Park Zone 4 Water Transmission Main (TEMP1638)	-	-	250.0	1,450.0	-	-	1,700.0	116
Airpark Area Access Projects Phase I (SB52)	(7,617.4)	7,638.2	-	-	-	-	7,638.2	87
Airport Futures Contingency (ZB53)	-	3,600.1	-	-	-	-	3,600.1	82
Airport Master Plan (AB51)	(533.8)	550.7	-	-	-	-	550.7	82
Airport Pavement Preservation Program (AB52)	(698.0)	1,013.0	100.0	100.0	100.0	-	1,313.0	82
Airport Security System Improvements (AB54)	(81.1)	120.0	-	-	-	-	120.0	82
Airport Terminal Remodel (AB59)	-	10,000.0	-	-	-	-	10,000.0	83
Alma School and Jomax Road Improvements (TEMP1608)	-	-	-	-	-	1,100.0	1,100.0	88
Apron Reconstruction - Delta Apron (AC02)	-	2,400.0	-	-	-	-	2,400.0	83
Arizona Canal Path - Chaparral to McDonald to Indian Bend Wash (TB58)	(516.9)	4,111.7	-	-	-	-	4,111.7	99

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated Expenditures					Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
Aviation Match Contingency (ZB52)	-	250.0	-	-	-	250.0	83
Ballfield Lighting System Replacement Phase I (PB68)	(874.3)	883.0	-	-	-	883.0	45
* Bikeways Program (YB77)	(562.7)	850.0	-	-	-	850.0	99
* Bikeways Program (YTEMP1694)	-	-	300.0	300.0	300.0	300.0	99
Booster Pump Station 42B Infrastructure Improvements (WB67)	(185.0)	3,915.0	-	-	-	3,915.0	116
Booster Station Upgrades (WB76)	(4,778.9)	7,388.1	250.0	750.0	550.0	500.0	9,438.1
* Bus Stop Improvements (YB82)	(113.4)	150.0	-	-	-	-	150.0
Cameras & Communication Equipment for Special Events and Surveillance Investigations (JB60)	(89.2)	152.6	-	-	-	-	152.6
Campus Headworks Screen (VB65)	(795.9)	890.9	-	-	-	-	890.9
Campus/Central Arizona Project Drainage & Paving Improvements (Wastewater) (VB68)	(109.7)	1,600.0	-	-	-	-	1,600.0
Campus/Central Arizona Project Drainage & Paving Improvements (Water) (WB73)	(28.9)	400.0	-	-	-	-	400.0
Central Area Trail Construction (DB52)	(406.4)	872.5	-	-	-	-	872.5
Chaparral Road Traffic Calming, Sewer & Drainage Improvements-Scottsdale Rd. to 69th Place (TB61)	(181.9)	2,097.7	-	-	-	-	2,097.7
Chaparral Water Treatment Plant Intake Screens (WB62)	(1,413.5)	2,650.0	-	-	-	-	2,650.0
Chaparral Water Treatment Plant Membrane Communications System Upgrades (WB68)	(1,302.0)	1,625.0	-	-	-	-	1,625.0
Chaparral Water Treatment Plant Pretreatment (WB56)	(7,869.4)	28,154.1	-	-	-	-	28,154.1
* CIP Advance Planning Program (YB50)	(2,109.5)	2,257.3	-	-	-	-	2,257.3
CIP Contingency (ZB50)	-	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0	44,000.0
CIP Contingency for Future Grants (ZB51)	-	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0
* CityCable Audio/Video Equipment Replacements (YB66)	(27.2)	40.9	-	-	-	-	40.9
* Citywide Audio/Video Equipment Replacement (YC04)	-	161.3	-	200.6	69.8	-	431.7
Civic Center Mall Renovations (DC01)	-	300.0	-	-	-	-	300.0
Construct Airport Operations/Maintenance (AB55)	(4,543.8)	4,900.0	-	-	-	-	4,900.0
* Crime Laboratory Equipment Replacement (YB65)	(210.5)	229.0	-	-	-	-	229.0
* Crime Laboratory Equipment Replacement (YC03)	-	141.7	234.4	239.8	332.5	245.6	1,194.0
* Crime Laboratory Equipment Replacement (YB56)	(119.8)	127.2	-	-	-	-	127.2
Cross Roads East Wastewater (VB51)	(282.9)	4,212.9	-	-	-	-	4,212.9
Cross Roads East Water (WB50)	(2,424.5)	7,031.2	-	-	-	-	7,031.2
Crosscut Canal Bridge and Path (TB63)	(165.8)	897.7	-	-	-	-	897.7
Deep Well Recharge/Recovery Facilities (WB61)	(899.3)	5,099.9	-	-	-	-	5,099.9
Desert Foothills Fire Station 13 (BB50)	(2,105.0)	2,275.0	-	-	-	-	2,275.0
District 2 Jail IP Video Monitoring System (JB57)	(203.3)	217.5	-	-	-	-	217.5
Downtown Pedestrian Improvements (TB55)	(562.5)	600.0	-	-	-	-	600.0
East Dynamite Area Transmission Main (TEMP1637)	-	-	450.0	4,350.0	-	-	4,800.0
Environmental Assessment for Land Acquisition (AB57)	-	-	-	-	-	200.0	200.0
Erosion Protection/Wildlife Mitigation - Runway Approach Area (AC01)	-	500.0	-	-	-	-	500.0

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Expanded McDowell Sonoran Preserve (PB66)	(176.2)	168,267.0	-	-	-	-	168,267.0	54
* Facilities Repair and Maintenance Program (YB64)	(1,360.2)	2,120.0	-	-	-	-	2,120.0	68
* Facilities Repair and Maintenance Program (YC01)	-	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3	69
Fire Radio Replacement (JB58)	(1,103.4)	1,208.6	-	-	-	-	1,208.6	58
Frank Lloyd Wright 24-inch Transmission Main & Booster Station 83B Modifications (WC03)	-	1,300.0	14,100.0	-	-	-	15,400.0	119
Frank Lloyd Wright–Scottsdale Rd to Shea (SB50)	(1,524.9)	2,467.5	-	-	-	-	2,467.5	88
Gainey Ranch WWTP Reuse Recharge (VC03)	-	401.6	-	-	-	-	401.6	108
Granite Reef Watershed (FB50)	(1,831.6)	14,888.9	5,046.4	1,248.0	1,712.0	28,160.4	51,055.7	48
Hayden Road / Chaparral Intersection Improvements (TB59)	(2.7)	3.0	-	-	-	-	3.0	96
Hayden/Thomas Safety Improvements (TB57)	(400.6)	2,707.7	-	-	-	-	2,707.7	96
HVID - Harquahala Valley Irrigation District - Scottsdale Share (WC04)	-	1,150.0	-	-	-	-	1,150.0	119
Hydrogen Sulfide Mitigation (VB63)	(4,264.5)	5,011.7	-	-	-	-	5,011.7	108
Indian Bend Wash Lakes Phase I (PB63)	(254.1)	3,240.0	-	-	-	-	3,240.0	45
* Intersection Mobility Enhancements (YB72)	(442.0)	1,500.0	-	-	-	-	1,500.0	96
* Intersection Mobility Enhancements (YC19)	-	100.0	500.0	500.0	500.0	500.0	2,100.0	96
Irrigation Water Distribution System Improvements (WB57)	(298.4)	2,250.0	750.0	-	-	-	3,000.0	119
IT - Information Lifecycle Management (MB58)	-	210.0	-	-	-	-	210.0	71
* IT - Network Infrastructure (YB69)	(503.5)	447.0	-	-	-	-	447.0	72
* IT - Network Infrastructure (YC07)	-	370.0	367.0	381.5	419.7	441.5	1,979.7	73
* IT - Network Infrastructure (YB57)	(300.2)	320.0	-	-	-	-	320.0	71
* IT - Network Infrastructure (YB53)	(376.2)	417.1	-	-	-	-	417.1	72
* IT - Server Infrastructure (YC08)	-	668.2	598.9	376.5	1,848.6	1,091.1	4,583.3	73
* IT - Server Infrastructure (YB70)	-	901.5	-	-	-	-	901.5	74
* IT - Server Infrastructure (YB54)	(187.3)	208.9	-	-	-	-	208.9	74
* IT - Server Infrastructure (YB58)	(1,005.3)	1,024.4	-	-	-	-	1,024.4	75
IT - Telephone System Upgrade (MB56)	(540.1)	630.0	-	-	-	-	630.0	75
ITS/Signal System Upgrades (TB56)	(1,533.0)	3,649.9	-	-	-	-	3,649.9	97
IT–Web Content Management SW (MB51)	(233.3)	298.4	-	-	-	-	298.4	75
IWDS / Harquahala Valley Irrigation District Property - Desert Mountain Golf Club (WB69)	(6,219.1)	9,692.0	-	-	-	-	9,692.0	120
IWDS / Harquahala Valley Irrigation District Property - Scottsdale National Golf Club (WB80)	(57.7)	4,345.0	-	-	-	-	4,345.0	120
Lab Information Management System (LIMS) Integration (MB62)	-	112.1	-	-	-	-	112.1	63
Loop 101 Detention Basin (FB53)	(1,799.6)	2,473.3	-	-	-	-	2,473.3	49
Marshall Way Entry Feature (DB57)	(143.2)	157.0	-	-	-	-	157.0	41
Master Plan - Water (WB78)	(186.7)	902.7	-	-	450.0	-	1,352.7	120
Master Plan Water Reclamation (VB70)	(356.4)	945.5	-	-	350.0	-	1,295.5	109
McDowell Road Bridge over Indian Bend Wash (TB52)	(3,550.7)	3,786.6	-	-	-	-	3,786.6	100
MetaMorpho to BIS (JB53)	(62.1)	81.8	-	-	-	-	81.8	63
Miller Road Underpass at the 101 Freeway (SC03)	-	1,000.0	-	-	-	-	1,000.0	89
Mobile Network Software (MB57)	(65.9)	346.4	-	-	-	-	346.4	76

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Mustang Transit Passenger Facility (TB50)	(721.6)	8,393.9	-	-	-	-	8,393.9	101
* Neighborhood Stormwater Management Improvements (YB67)	(158.6)	115.0	-	-	-	-	115.0	49
* Neighborhood Stormwater Management Improvements (YC05)	-	75.0	75.0	75.0	75.0	75.0	375.0	49
* Neighborhood Traffic Management Program (YB74)	(49.1)	200.0	-	-	-	-	200.0	97
* Neighborhood Traffic Management Program (YTEMP1691)	-	-	100.0	100.0	100.0	100.0	400.0	97
* Neighborhood Traffic Management Program (YB62)	(242.7)	250.0	-	-	-	-	250.0	97
Network Infrastructure Extension (MB54)	(727.7)	862.5	-	-	-	-	862.5	76
North Area Access Control & Stabilization (PB54)	(1,408.3)	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0	54
North Area Trail Construction (PB50)	(1,456.6)	2,700.0	100.0	100.0	100.0	-	3,000.0	55
North Canal Bank Improvements - Marshall Way to Goldwater (TB60)	(1,502.9)	1,946.0	-	-	-	-	1,946.0	101
North Corp Yard CNG Compliance (BB53)	-	400.0	-	-	-	-	400.0	69
Northeast Sewer Pumpback Station Sewerline Replacement, Site Wall to ADOT ROW (VB61)	(602.8)	986.0	-	-	-	-	986.0	109
Online Bill Payment and Presentment System (JB65)	(11.7)	381.5	-	-	-	-	381.5	76
Paiute Park Playground and Rehabilitation (PB70)	-	107.0	-	-	-	-	107.0	41
Papago Park Playground Rehabilitation (PB69)	-	116.0	-	-	-	-	116.0	41
Paradise Drive Storm Drain (FB57)	(23.2)	413.0	-	-	-	-	413.0	50
Pave 3 Dirt Roads (TB64)	(1,014.1)	1,344.5	-	-	-	-	1,344.5	101
* Pavement Overlay Program (YB78)	(3,348.7)	3,300.0	-	-	-	-	3,300.0	89
* Pavement Overlay Program (YC29)	-	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0	89
Payroll System Replacement (JB59)	(26.7)	700.1	199.7	-	-	-	899.8	77
Pima Road - Pinnacle Peak to Happy Valley (SC01)	-	1,921.5	1,700.0	4,571.5	-	-	8,193.0	90
Pima Road: Via Linda to Via de Ventura (SB57)	(89.6)	1,912.0	-	-	-	-	1,912.0	90
Pima Road: Krail Street to Chaparral Road (SC04)	-	86.0	387.0	343.0	807.0	-	1,623.0	91
Pima/Dynamite Trailhead (PB65)	-	3,500.0	500.0	-	-	-	4,000.0	55
Pinnacle Vista - 56th Street Intersection Improvements (TEMP1611)	-	-	350.0	-	-	-	350.0	91
Police – Records Management and CAD System Replacement (MB50)	(4,523.7)	4,525.0	-	-	-	-	4,525.0	64
Police Advanced Mobile Upgrades (MB55)	(773.7)	773.8	-	-	-	-	773.8	64
* Police Portable & Vehicle Radio Replacement (YC06)	-	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4	64
* Police Portable and Vehicle Radio Replacement (YB68)	(719.3)	821.8	-	-	-	-	821.8	65
Policy & Standards Management Software (MB63)	-	47.9	-	-	-	-	47.9	65
Preserve Trail, Habitat & Safety Improvements (PB52)	(60.8)	157.0	30.0	30.0	30.0	-	247.0	55
Princess Drive Drainage Project (FC01)	-	1,100.0	-	-	-	325.0	1,425.0	50
Public Records and Litigation Document Review Software (JB50)	(214.7)	288.8	-	-	-	-	288.8	77
Public Safety Radio Network Lifecycle Project (TEMP1485)	-	-	1,299.8	151.8	151.8	-	1,603.4	58
Public Safety Radio System-Phase I (MB52)	(20,891.7)	22,049.9	-	-	-	-	22,049.9	65

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Radio Telemetry Monitoring Automation Citywide - Wastewater (VB58)	(1,827.8)	2,305.5	200.0	200.0	350.0	275.0	3,330.5	109
Radio Telemetry Monitoring Automation Citywide - Water (WB60)	(2,179.7)	2,914.4	200.0	75.0	290.0	215.0	3,694.4	120
Raintree Drive: Hayden Road to Loop 101 (SC02)	-	1,006.0	1,500.0	6,500.0	-	-	9,006.0	91
Raintree Drive: Scottsdale Road to Hayden Road (SB53)	(1,752.5)	9,745.7	13,571.4	-	-	-	23,317.1	92
Raintree/Loop 101 Interchange (TEMP1184)	-	-	1,006.0	500.0	3,017.1	-	4,523.1	92
Reata Wash Flood Control (FB55)	(1,089.5)	1,256.0	-	-	-	-	1,256.0	50
Reclamation Regulatory Compliance (VB59)	-	250.0	-	-	-	-	250.0	110
Reconstruct Taxiway "C" (TEMP975)	-	-	-	40.0	360.0	-	400.0	85
Records Management System & Computer Aided Dispatch Enhancements and Refresh (JB62)	-	95.9	299.8	-	-	-	395.7	66
Redfield Road: Raintree Drive to Hayden Road (SB56)	-	214.3	1,928.6	-	-	-	2,142.9	93
Rehabilitate Runway 03/21 (AB61)	-	600.0	5,400.1	-	-	-	6,000.1	85
Rehabilitate Taxiway "A" and Exits (AB60)	-	899.9	8,100.1	-	-	-	9,000.0	85
Rehabilitate Taxiway "B" and Exits (AB56)	(642.4)	7,000.1	-	-	-	-	7,000.1	86
Relocate and Build FS613 (BB52)	(449.7)	723.6	-	-	-	-	723.6	59
Removal and Replacement of Sodium Hypochlorite Generation System (WB64)	(970.4)	1,600.0	-	-	-	-	1,600.0	121
Replace Drainage Grates (SB58)	(56.2)	259.0	100.0	100.0	100.0	100.0	659.0	93
Replace Electrical Pullboxes - Main Apron (AB58)	-	70.0	-	-	-	-	70.0	86
Runway Safety Enhancements Phase 2 (AB53)	(2,953.8)	4,970.0	-	-	-	-	4,970.0	86
RWDS Improvements (VB52)	(8,890.0)	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0	110
Sanitary Sewer Lateral Rehabilitation (VB67)	(50.4)	125.0	50.0	50.0	50.0	50.0	325.0	110
Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak (SB59)	(12,115.2)	12,588.8	-	-	-	-	12,588.8	93
Scottsdale Road Preservation Streetscape Enhancement (DB50)	(23,924.6)	27,251.2	-	-	-	-	27,251.2	42
Scottsdale Stadium Infrastructure Improvements (PB57)	(302.1)	1,326.8	202.2	202.2	202.2	202.2	2,135.6	45
Scottsdale's Museum of the West (DB55)	(13,530.0)	13,600.0	-	-	-	-	13,600.0	42
Secondary Clarifier Rehabilitation (VB64)	(1,609.5)	2,457.2	-	-	-	-	2,457.2	111
Shea Underpass Access at 124th Street (TB66)	(159.4)	1,661.0	-	-	-	-	1,661.0	102
* Sidewalk Improvements (YB73)	-	200.0	-	-	-	-	200.0	102
* Sidewalk Improvements (YTEMP1690)	-	-	100.0	100.0	100.0	100.0	400.0	102
* Sidewalk Improvements (YB61)	(234.7)	350.0	-	-	-	-	350.0	102
Site 71 Well Site and Water Booster Station (WB63)	(4,474.0)	5,000.0	-	-	-	-	5,000.0	121
SkySong - ASU Scottsdale Center for Innovation (DB51)	(38,121.2)	38,173.0	-	-	-	-	38,173.0	42
Skysong Center Transit Passenger Facility and Sidewalk Improvements (TB51)	(2,444.8)	4,758.8	-	-	-	-	4,758.8	103
Solid Waste Vehicle Monitoring System (JB66)	(491.9)	822.5	-	-	-	-	822.5	78
South Area Access Control (PB61)	(611.0)	1,050.0	150.0	150.0	150.0	-	1,500.0	56
South Area Trail Construction (PB51)	(410.4)	990.0	-	-	-	-	990.0	56
Southbound Loop 101 Frontage Road Connections (SB54)	(149.0)	4,360.1	-	-	-	-	4,360.1	94
Southwest Waterline Replacements (WB59)	(1,102.4)	1,215.0	-	-	-	-	1,215.0	121

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Sports Lighting Expansion & Upgrade (PB59)	(4,632.4)	4,671.7	-	-	-	-	4,671.7	45
SROG Operations & Solids Improvements (VB57)	(26.0)	1,500.0	-	-	-	-	1,500.0	111
SROG Sewage Transmission Line (VB50)	(9,824.1)	30,466.9	-	-	-	-	30,466.9	111
SROG SRO / SAI Interceptor Odor Control (VB60)	(7.4)	10,760.0	-	-	-	-	10,760.0	112
* SROG Wastewater Treatment Plant (YB81)	(85.6)	500.0	-	-	-	-	500.0	112
* SROG Wastewater Treatment Plant (YC24)	-	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0	112
SROG Water Reclamation Capacity Management (VB55)	(568.6)	1,016.3	-	-	-	-	1,016.3	113
Street Operations Work and Asset Management System (JB56)	(0.9)	168.1	-	-	-	-	168.1	78
Thomas Road Bicycle Lanes and Enhanced Sidewalks (TB53)	(7,026.2)	6,926.9	-	-	-	-	6,926.9	103
Tonopah Recharge Basin (WB74)	(1,541.2)	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0	122
Tony Nelssen Equestrian Center Expansion (DB54)	(46,105.1)	46,620.0	-	-	-	-	46,620.0	43
TPC Clubhouse and Stadium Course Renovations (PB56)	(13,906.5)	14,055.0	-	-	-	-	14,055.0	43
* Traffic Management Program - ITS (YB75)	(428.9)	500.0	-	-	-	-	500.0	98
* Traffic Management Program - ITS (YTEMP1692)	-	-	200.0	200.0	200.0	200.0	800.0	98
* Traffic Signal Construction (YB76)	(301.9)	300.0	-	-	-	-	300.0	98
* Traffic Signal Construction (YC23)	-	250.0	250.0	250.0	250.0	250.0	1,250.0	98
* Trail Improvement Program (YB71)	(259.4)	650.0	-	-	-	-	650.0	103
* Trail Improvement Program (YTEMP1688)	-	-	100.0	100.0	100.0	100.0	400.0	103
Transfer Station Expansion (BB56)	(1,200.7)	1,800.0	-	-	-	-	1,800.0	69
Transit Bus Purchases (TB67)	-	5,711.0	-	-	-	-	5,711.0	104
Transit Stop Improvements (TC03)	-	200.0	-	-	-	-	200.0	104
Transit Vehicle Refurbishment (TB54)	(52.8)	150.0	-	-	-	-	150.0	104
Upper Camelback Wash Watershed (FB51)	(16,807.1)	17,710.0	-	-	-	-	17,710.0	51
Wastewater Collection System Improvements (VB62)	(6,472.0)	26,787.7	3,950.0	3,811.4	3,993.5	4,000.0	42,542.6	113
Wastewater Impact Fees (VC01)	-	20.0	-	-	-	-	20.0	113
Wastewater Oversizing (VB53)	(1,832.0)	1,985.6	50.0	-	50.0	-	2,085.6	114
Wastewater Technology Master Plan (VB66)	-	240.0	-	-	100.0	-	340.0	114
Water and Sewer System Optimization (WB55)	(1,478.1)	1,500.0	-	-	-	-	1,500.0	122
Water Campus Vadose Well Rehabilitation (WB79)	-	385.0	125.0	155.0	50.0	50.0	765.0	122
Water Distribution System Improvements (WB77)	(6,750.0)	27,624.2	9,000.0	10,000.0	9,000.0	6,500.0	62,124.2	123
Water Impact Fees (WC01)	-	20.0	-	-	-	-	20.0	123
Water Meter Replacement Program (WB66)	(1,331.5)	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0	123
Water Oversizing (WB53)	(7,771.7)	8,204.5	-	-	-	-	8,204.5	124
Water Participation Program (WB54)	(735.4)	2,000.0	-	-	750.0	-	2,750.0	124
Water Quality Regulatory Compliance Programs (WB52)	(1,443.5)	2,100.0	-	-	-	-	2,100.0	124
Water Reclamation Participation Program (VB56)	(1,912.1)	3,350.0	-	-	750.0	-	4,100.0	114
Water Reclamation Security Enhancements (VB54)	(3,025.3)	3,466.0	380.0	300.0	400.0	350.0	4,896.0	115
Water Resources Impact Fees (WC02)	-	20.0	-	-	-	-	20.0	125
* Water System Security Enhancements (YB80)	(422.6)	440.0	-	-	-	-	440.0	125
* Water System Security Enhancements (YC26)	-	460.0	430.0	410.0	280.0	400.0	1,980.0	125

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Alphabetical

(In thousands of dollars)

Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Water Technology Master Plan (WB72)	(0.1)	360.0	-	-	150.0	-	510.0	125
Water Treatment Plant Membranes (WB71)	(455.9)	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0	126
Well Sites (WB75)	(94.6)	1,115.4	-	-	-	-	1,115.4	126
Well Sites Rehabilitation (WB51)	(2,053.0)	4,000.0	-	-	-	-	4,000.0	126
WestWorld - 94th Street Improvements (DB61)	-	339.6	-	-	-	-	339.6	43
WestWorld Events Paving & Show Office Improvements (DB56)	(4,298.5)	4,300.0	-	-	-	-	4,300.0	44
WestWorld Improvements (WB58)	(186.3)	900.0	-	-	-	-	900.0	126
WestWorld North Hall Improvements (DB62)	-	289.6	-	-	-	-	289.6	44
WestWorld Site Improvements (DB60)	-	239.6	-	-	-	-	239.6	44
WestWorld Trail Connections (TC02)	-	632.0	4,479.6	-	-	-	5,111.6	104
Wide Area Network Fiber (MB53)	(168.4)	465.9	-	-	-	-	465.9	78
Zone 14/16 Water Improvements Phase 2 (WB70)	(563.2)	14,471.3	-	-	-	-	14,471.3	127
Zone 2 Water System Improvements (WC05)	-	630.0	7,200.0	-	-	-	7,830.0	127
Zone 3W Water System Improvements (TEMP1639)	-	-	425.0	4,350.0	-	-	4,775.0	127

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Division

(In thousands of dollars)

Project	Estimated Expenditures					Total	Page #	
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast			FY2019/20 Forecast
Administrative Services								
* CityCable Audio/Video Equipment Replacements (YB66)	(27.2)	40.9	-	-	-	40.9	70	
* Citywide Audio/Video Equipment Replacement (YC04)	-	161.3	-	200.6	69.8	431.7	70	
IT - Information Lifecycle Management (MB58)	-	210.0	-	-	-	210.0	71	
* IT - Network Infrastructure (YB69)	(503.5)	447.0	-	-	-	447.0	72	
* IT - Network Infrastructure (YC07)	-	370.0	367.0	381.5	419.7	1,979.7	73	
* IT - Network Infrastructure (YB57)	(300.2)	320.0	-	-	-	320.0	71	
* IT - Network Infrastructure (YB53)	(376.2)	417.1	-	-	-	417.1	72	
* IT - Server Infrastructure (YC08)	-	668.2	598.9	376.5	1,848.6	1,091.1	4,583.3	73
* IT - Server Infrastructure (YB70)	-	901.5	-	-	-	901.5	74	
* IT - Server Infrastructure (YB54)	(187.3)	208.9	-	-	-	208.9	74	
* IT - Server Infrastructure (YB58)	(1,005.3)	1,024.4	-	-	-	1,024.4	75	
IT - Telephone System Upgrade (MB56)	(540.1)	630.0	-	-	-	630.0	75	
IT-Web Content Management SW (MB51)	(233.3)	298.4	-	-	-	298.4	75	
Mobile Network Software (MB57)	(65.9)	346.4	-	-	-	346.4	76	
Network Infrastructure Extension (MB54)	(727.7)	862.5	-	-	-	862.5	76	
Public Safety Radio Network Lifecycle Project (TEMP1485)	-	-	1,299.8	151.8	151.8	-	1,603.4	58
Public Safety Radio System-Phase I (MB52)	(20,891.7)	22,049.9	-	-	-	-	22,049.9	65
Wide Area Network Fiber (MB53)	(168.4)	465.9	-	-	-	-	465.9	78
C&ED - Airport								
Airport Futures Contingency (ZB53)	-	3,600.1	-	-	-	3,600.1	82	
Airport Master Plan (AB51)	(533.8)	550.7	-	-	-	550.7	82	
Airport Pavement Preservation Program (AB52)	(698.0)	1,013.0	100.0	100.0	100.0	-	1,313.0	82
Airport Security System Improvements (AB54)	(81.1)	120.0	-	-	-	-	120.0	82
Airport Terminal Remodel (AB59)	-	10,000.0	-	-	-	-	10,000.0	83
Apron Reconstruction - Delta Apron (AC02)	-	2,400.0	-	-	-	-	2,400.0	83
Aviation Match Contingency (ZB52)	-	250.0	-	-	-	-	250.0	83
Construct Airport Operations/Maintenance (AB55)	(4,543.8)	4,900.0	-	-	-	-	4,900.0	84
Environmental Assessment for Land Acquisition (AB57)	-	-	-	-	-	200.0	200.0	84
Erosion Protection/Wildlife Mitigation - Runway Approach Area (AC01)	-	500.0	-	-	-	-	500.0	84
Reconstruct Taxiway "C" (TEMP975)	-	-	-	40.0	360.0	-	400.0	85
Rehabilitate Runway 03/21 (AB61)	-	600.0	5,400.1	-	-	-	6,000.1	85
Rehabilitate Taxiway "A" and Exits (AB60)	-	899.9	8,100.1	-	-	-	9,000.0	85
Rehabilitate Taxiway "B" and Exits (AB56)	(642.4)	7,000.1	-	-	-	-	7,000.1	86
Replace Electrical Pullboxes - Main Apron (AB58)	-	70.0	-	-	-	-	70.0	86
Runway Safety Enhancements Phase 2 (AB53)	(2,953.8)	4,970.0	-	-	-	-	4,970.0	86
C&ED - Planning & Development								
3rd Avenue and North Craftsman Court Drainage (FB56)	-	60.0	-	-	-	-	60.0	48
8525 East Pinnacle Peak Road Drainage (FB58)	(17.1)	61.0	-	-	-	-	61.0	48
Granite Reef Watershed (FB50)	(1,831.6)	14,888.9	5,046.4	1,248.0	1,712.0	28,160.4	51,055.7	48

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Division

(In thousands of dollars)

Project	Estimated Expenditures					Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
C&ED - Planning & Development							
Loop 101 Detention Basin (FB53)	(1,799.6)	2,473.3	-	-	-	2,473.3	49
* Neighborhood Stormwater Management Improvements (YB67)	(158.6)	115.0	-	-	-	115.0	49
* Neighborhood Stormwater Management Improvements (YC05)	-	75.0	75.0	75.0	75.0	375.0	49
Paradise Drive Storm Drain (FB57)	(23.2)	413.0	-	-	-	413.0	50
Princess Drive Drainage Project (FC01)	-	1,100.0	-	-	-	325.0	50
Reata Wash Flood Control (FB55)	(1,089.5)	1,256.0	-	-	-	1,256.0	50
Scottsdale Road Preservation Streetscape Enhancement (DB50)	(23,924.6)	27,251.2	-	-	-	27,251.2	42
Upper Camelback Wash Watershed (FB51)	(16,807.1)	17,710.0	-	-	-	17,710.0	51
C&ED - Tourism & Events							
Civic Center Mall Renovations (DC01)	-	300.0	-	-	-	300.0	40
Marshall Way Entry Feature (DB57)	(143.2)	157.0	-	-	-	157.0	41
Scottsdale's Museum of the West (DB55)	(13,530.0)	13,600.0	-	-	-	13,600.0	42
Tony Nelssen Equestrian Center Expansion (DB54)	(46,105.1)	46,620.0	-	-	-	46,620.0	43
WestWorld - 94th Street Improvements (DB61)	-	339.6	-	-	-	339.6	43
WestWorld Events Paving & Show Office Improvements (DB56)	(4,298.5)	4,300.0	-	-	-	4,300.0	44
WestWorld North Hall Improvements (DB62)	-	289.6	-	-	-	289.6	44
WestWorld Site Improvements (DB60)	-	239.6	-	-	-	239.6	44
C&ED - Transportation							
124th & 128th Street - Street, Intersection and Multi-Use Path Improvements (SB55)	(125.3)	1,100.0	-	-	-	1,100.0	87
98th Street West Half Improvement - North of McDowell Mountain Ranch Road (TEMP1610)	-	-	150.0	850.0	-	1,000.0	87
Airpark Area Access Projects Phase I (SB52)	(7,617.4)	7,638.2	-	-	-	7,638.2	87
Alma School and Jomax Road Improvements (TEMP1608)	-	-	-	-	-	1,100.0	88
Arizona Canal Path - Chaparral to McDonald to Indian Bend Wash (TB58)	(516.9)	4,111.7	-	-	-	4,111.7	99
* Bikeways Program (YB77)	(562.7)	850.0	-	-	-	850.0	99
* Bikeways Program (YTEMP1694)	-	-	300.0	300.0	300.0	300.0	99
* Bus Stop Improvements (YB82)	(113.4)	150.0	-	-	-	150.0	99
Chaparral Road Traffic Calming, Sewer & Drainage Improvements-Scottsdale Rd. to 69th Place (TB61)	(181.9)	2,097.7	-	-	-	2,097.7	95
* CIP Advance Planning Program (YB50)	(2,109.5)	2,257.3	-	-	-	2,257.3	88
Crosscut Canal Bridge and Path (TB63)	(165.8)	897.7	-	-	-	897.7	100
Downtown Pedestrian Improvements (TB55)	(562.5)	600.0	-	-	-	600.0	100
Frank Lloyd Wright-Scottsdale Rd to Shea (SB50)	(1,524.9)	2,467.5	-	-	-	2,467.5	88
Hayden Road / Chaparral Intersection Improvements (TB59)	(2.7)	3.0	-	-	-	3.0	96
Hayden/Thomas Safety Improvements (TB57)	(400.6)	2,707.7	-	-	-	2,707.7	96
* Intersection Mobility Enhancements (YB72)	(442.0)	1,500.0	-	-	-	1,500.0	96
* Intersection Mobility Enhancements (YC19)	-	100.0	500.0	500.0	500.0	500.0	96
McDowell Road Bridge over Indian Bend Wash (TB52)	(3,550.7)	3,786.6	-	-	-	3,786.6	100

*Recurring Capital Maintenance Projects.



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(In thousands of dollars)

Project	Estimated Expenditures					Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
C&ED - Transportation							
Miller Road Underpass at the 101 Freeway (SC03)	-	1,000.0	-	-	-	1,000.0	89
Mustang Transit Passenger Facility (TB50)	(721.6)	8,393.9	-	-	-	8,393.9	101
* Neighborhood Traffic Management Program (YB74)	(49.1)	200.0	-	-	-	200.0	97
* Neighborhood Traffic Management Program (YTEMP1691)	-	-	100.0	100.0	100.0	400.0	97
* Neighborhood Traffic Management Program (YB62)	(242.7)	250.0	-	-	-	250.0	97
North Canal Bank Improvements - Marshall Way to Goldwater (TB60)	(1,502.9)	1,946.0	-	-	-	1,946.0	101
Pave 3 Dirt Roads (TB64)	(1,014.1)	1,344.5	-	-	-	1,344.5	101
Pima Road - Pinnacle Peak to Happy Valley (SC01)	-	1,921.5	1,700.0	4,571.5	-	8,193.0	90
Pima Road: Via Linda to Via de Ventura (SB57)	(89.6)	1,912.0	-	-	-	1,912.0	90
Pima Road: Krail Street to Chaparral Road (SC04)	-	86.0	387.0	343.0	807.0	1,623.0	91
Pinnacle Vista - 56th Street Intersection Improvements (TEMP1611)	-	-	350.0	-	-	350.0	91
Raintree Drive: Hayden Road to Loop 101 (SC02)	-	1,006.0	1,500.0	6,500.0	-	9,006.0	91
Raintree Drive: Scottsdale Road to Hayden Road (SB53)	(1,752.5)	9,745.7	13,571.4	-	-	23,317.1	92
Raintree/Loop 101 Interchange (TEMP1184)	-	-	1,006.0	500.0	3,017.1	4,523.1	92
Redfield Road: Raintree Drive to Hayden Road (SB56)	-	214.3	1,928.6	-	-	2,142.9	93
Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak (SB59)	(12,115.2)	12,588.8	-	-	-	12,588.8	93
Shea Underpass Access at 124th Street (TB66)	(159.4)	1,661.0	-	-	-	1,661.0	102
* Sidewalk Improvements (YB73)	-	200.0	-	-	-	200.0	102
* Sidewalk Improvements (YTEMP1690)	-	-	100.0	100.0	100.0	400.0	102
* Sidewalk Improvements (YB61)	(234.7)	350.0	-	-	-	350.0	102
Skysong Center Transit Passenger Facility and Sidewalk Improvements (TB51)	(2,444.8)	4,758.8	-	-	-	4,758.8	103
Southbound Loop 101 Frontage Road Connections (SB54)	(149.0)	4,360.1	-	-	-	4,360.1	94
Thomas Road Bicycle Lanes and Enhanced Sidewalks (TB53)	(7,026.2)	6,926.9	-	-	-	6,926.9	103
* Traffic Signal Construction (YB76)	(301.9)	300.0	-	-	-	300.0	98
* Traffic Signal Construction (YC23)	-	250.0	250.0	250.0	250.0	1,250.0	98
* Trail Improvement Program (YB71)	(259.4)	650.0	-	-	-	650.0	103
* Trail Improvement Program (YTEMP1688)	-	-	100.0	100.0	100.0	400.0	103
Transit Bus Purchases (TB67)	-	5,711.0	-	-	-	5,711.0	104
Transit Stop Improvements (TC03)	-	200.0	-	-	-	200.0	104
Transit Vehicle Refurbishment (TB54)	(52.8)	150.0	-	-	-	150.0	104
WestWorld Trail Connections (TC02)	-	632.0	4,479.6	-	-	5,111.6	104
City Attorney							
Public Records and Litigation Document Review Software (JB50)	(214.7)	288.8	-	-	-	288.8	77
City Treasurer							
CIP Contingency (ZB50)	-	26,000.0	4,500.0	4,500.0	4,500.0	44,000.0	70
CIP Contingency for Future Grants (ZB51)	-	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0	70

*Recurring Capital Maintenance Projects.



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(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
City Treasurer								
Online Bill Payment and Presentment System (JB65)	(11.7)	381.5	-	-	-	-	381.5	76
Payroll System Replacement (JB59)	(26.7)	700.1	199.7	-	-	-	899.8	77
Community Services								
Adaptive Recreation Building Remodel (PB67)	(616.2)	641.0	-	-	-	-	641.0	40
Ballfield Lighting System Replacement Phase I (PB68)	(874.3)	883.0	-	-	-	-	883.0	45
Central Area Trail Construction (DB52)	(406.4)	872.5	-	-	-	-	872.5	54
Indian Bend Wash Lakes Phase I (PB63)	(254.1)	3,240.0	-	-	-	-	3,240.0	45
North Area Access Control & Stabilization (PB54)	(1,408.3)	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0	54
North Area Trail Construction (PB50)	(1,456.6)	2,700.0	100.0	100.0	100.0	-	3,000.0	55
Paiute Park Playground and Rehabilitation (PB70)	-	107.0	-	-	-	-	107.0	41
Papago Park Playground Rehabilitation (PB69)	-	116.0	-	-	-	-	116.0	41
Pima/Dynamite Trailhead (PB65)	-	3,500.0	500.0	-	-	-	4,000.0	55
Preserve Trail, Habitat & Safety Improvements (PB52)	(60.8)	157.0	30.0	30.0	30.0	-	247.0	55
Scottsdale Stadium Infrastructure Improvements (PB57)	(302.1)	1,326.8	202.2	202.2	202.2	202.2	2,135.6	45
South Area Access Control (PB61)	(611.0)	1,050.0	150.0	150.0	150.0	-	1,500.0	56
South Area Trail Construction (PB51)	(410.4)	990.0	-	-	-	-	990.0	56
Sports Lighting Expansion & Upgrade (PB59)	(4,632.4)	4,671.7	-	-	-	-	4,671.7	45
TPC Clubhouse and Stadium Course Renovations (PB56)	(13,906.5)	14,055.0	-	-	-	-	14,055.0	43
Public Safety - Fire								
Desert Foothills Fire Station 13 (BB50)	(2,105.0)	2,275.0	-	-	-	-	2,275.0	58
Fire Radio Replacement (JB58)	(1,103.4)	1,208.6	-	-	-	-	1,208.6	58
Relocate and Build FS613 (BB52)	(449.7)	723.6	-	-	-	-	723.6	59
Public Safety - Police								
3D Laser Scanner (JB52)	(86.6)	97.0	-	-	-	-	97.0	60
9-1-1 Communication Equipment Replacement (JB51)	(1,027.9)	1,128.3	-	-	-	-	1,128.3	60
9-1-1 Voice Logging Recorder Replacement (MB60)	(209.8)	240.7	-	-	-	-	240.7	60
Additional Servers for Digital Evidence and Forensic Recovery (JB63)	(138.1)	170.1	-	-	-	-	170.1	60
Advanced Authentication via HID Cards (JB54)	(44.5)	52.3	-	-	-	-	52.3	61
Advanced Mobile Solutions (JB61)	-	105.8	-	-	-	-	105.8	61
Cameras & Communication Equipment for Special Events and Surveillance Investigations (JB60)	(89.2)	152.6	-	-	-	-	152.6	61
* Crime Laboratory Equipment Replacement (YB65)	(210.5)	229.0	-	-	-	-	229.0	62
* Crime Laboratory Equipment Replacement (YC03)	-	141.7	234.4	239.8	332.5	245.6	1,194.0	62
* Crime Laboratory Equipment Replacement (YB56)	(119.8)	127.2	-	-	-	-	127.2	62
District 2 Jail IP Video Monitoring System (JB57)	(203.3)	217.5	-	-	-	-	217.5	63
Lab Information Management System (LIMS) Integration (MB62)	-	112.1	-	-	-	-	112.1	63
MetaMorpho to BIS (JB53)	(62.1)	81.8	-	-	-	-	81.8	63
Police – Records Management and CAD System Replacement (MB50)	(4,523.7)	4,525.0	-	-	-	-	4,525.0	64

*Recurring Capital Maintenance Projects.



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(In thousands of dollars)

Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Public Safety - Police								
Police Advanced Mobile Upgrades (MB55)	(773.7)	773.8	-	-	-	-	773.8	64
* Police Portable & Vehicle Radio Replacement (YC06)	-	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4	64
* Police Portable and Vehicle Radio Replacement (YB68)	(719.3)	821.8	-	-	-	-	821.8	65
Policy & Standards Management Software (MB63)	-	47.9	-	-	-	-	47.9	65
Records Management System & Computer Aided Dispatch Enhancements and Refresh (JB62)	-	95.9	299.8	-	-	-	395.7	66
Public Works								
Additional Compressed Natural Gas (CNG) Fuel Dispensers (BB51)	(328.8)	434.9	-	-	-	-	434.9	68
Additional CNG Station (BC01)	-	2,640.0	-	-	-	-	2,640.0	68
Advanced Traffic Signal Control Cabinets - Phase I (TC04)	-	721.0	-	-	-	-	721.0	95
Advanced Traffic Signal Control Cabinets - Phase II (TEMP1191)	-	-	721.0	-	-	-	721.0	95
Expanded McDowell Sonoran Preserve (PB66)	(176.2)	168,267.0	-	-	-	-	168,267.0	54
* Facilities Repair and Maintenance Program (YB64)	(1,360.2)	2,120.0	-	-	-	-	2,120.0	68
* Facilities Repair and Maintenance Program (YC01)	-	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3	69
ITS/Signal System Upgrades (TB56)	(1,533.0)	3,649.9	-	-	-	-	3,649.9	97
North Corp Yard CNG Compliance (BB53)	-	400.0	-	-	-	-	400.0	69
* Pavement Overlay Program (YB78)	(3,348.7)	3,300.0	-	-	-	-	3,300.0	89
* Pavement Overlay Program (YC29)	-	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0	89
Replace Drainage Grates (SB58)	(56.2)	259.0	100.0	100.0	100.0	100.0	659.0	93
SkySong - ASU Scottsdale Center for Innovation (DB51)	(38,121.2)	38,173.0	-	-	-	-	38,173.0	42
Solid Waste Vehicle Monitoring System (JB66)	(491.9)	822.5	-	-	-	-	822.5	78
Street Operations Work and Asset Management System (JB56)	(0.9)	168.1	-	-	-	-	168.1	78
* Traffic Management Program - ITS (YB75)	(428.9)	500.0	-	-	-	-	500.0	98
* Traffic Management Program - ITS (YTEMP1692)	-	-	200.0	200.0	200.0	200.0	800.0	98
Transfer Station Expansion (BB56)	(1,200.7)	1,800.0	-	-	-	-	1,800.0	69
Water Resources								
Advance Water Treatment Plant Membranes - Wastewater (VB69)	-	401.2	-	-	401.2	812.6	1,615.0	107
Advance Water Treatment Plant Membranes - Water (WB65)	-	70.8	-	-	70.8	143.4	285.0	116
Air Park Zone 4 Water Transmission Main (TEMP1638)	-	-	250.0	1,450.0	-	-	1,700.0	116
Booster Pump Station 42B Infrastructure Improvements (WB67)	(185.0)	3,915.0	-	-	-	-	3,915.0	116
Booster Station Upgrades (WB76)	(4,778.9)	7,388.1	250.0	750.0	550.0	500.0	9,438.1	116
Campus Headworks Screen (VB65)	(795.9)	890.9	-	-	-	-	890.9	107
Campus/Central Arizona Project Drainage & Paving Improvements (Wastewater) (VB68)	(109.7)	1,600.0	-	-	-	-	1,600.0	107
Campus/Central Arizona Project Drainage & Paving Improvements (Water) (WB73)	(28.9)	400.0	-	-	-	-	400.0	117

*Recurring Capital Maintenance Projects.



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Project	Estimated Expenditures Thru 06/30/15	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
		Adopted	Forecast	Forecast	Forecast	Forecast		
Water Resources								
Chaparral Water Treatment Plant Intake Screens (WB62)	(1,413.5)	2,650.0	-	-	-	-	2,650.0	117
Chaparral Water Treatment Plant Membrane Communications System Upgrades (WB68)	(1,302.0)	1,625.0	-	-	-	-	1,625.0	117
Chaparral Water Treatment Plant Pretreatment (WB56)	(7,869.4)	28,154.1	-	-	-	-	28,154.1	118
Cross Roads East Wastewater (VB51)	(282.9)	4,212.9	-	-	-	-	4,212.9	108
Cross Roads East Water (WB50)	(2,424.5)	7,031.2	-	-	-	-	7,031.2	118
Deep Well Recharge/Recovery Facilities (WB61)	(899.3)	5,099.9	-	-	-	-	5,099.9	118
East Dynamite Area Transmission Main (TEMP1637)	-	-	450.0	4,350.0	-	-	4,800.0	119
Frank Lloyd Wright 24-inch Transmission Main & Booster Station 83B Modifications (WC03)	-	1,300.0	14,100.0	-	-	-	15,400.0	119
Gainey Ranch WWTP Reuse Recharge (VC03)	-	401.6	-	-	-	-	401.6	108
HVID - Harquahala Valley Irrigation District - Scottsdale Share (WC04)	-	1,150.0	-	-	-	-	1,150.0	119
Hydrogen Sulfide Mitigation (VB63)	(4,264.5)	5,011.7	-	-	-	-	5,011.7	108
Irrigation Water Distribution System Improvements (WB57)	(298.4)	2,250.0	750.0	-	-	-	3,000.0	119
IWDS / Harquahala Valley Irrigation District Property - Desert Mountain Golf Club (WB69)	(6,219.1)	9,692.0	-	-	-	-	9,692.0	120
IWDS / Harquahala Valley Irrigation District Property - Scottsdale National Golf Club (WB80)	(57.7)	4,345.0	-	-	-	-	4,345.0	120
Master Plan - Water (WB78)	(186.7)	902.7	-	-	450.0	-	1,352.7	120
Master Plan Water Reclamation (VB70)	(356.4)	945.5	-	-	350.0	-	1,295.5	109
Northeast Sewer Pumpback Station Sewerline Replacement, Site Wall to ADOT ROW (VB61)	(602.8)	986.0	-	-	-	-	986.0	109
Radio Telemetry Monitoring Automation Citywide - Wastewater (VB58)	(1,827.8)	2,305.5	200.0	200.0	350.0	275.0	3,330.5	109
Radio Telemetry Monitoring Automation Citywide - Water (WB60)	(2,179.7)	2,914.4	200.0	75.0	290.0	215.0	3,694.4	120
Reclamation Regulatory Compliance (VB59)	-	250.0	-	-	-	-	250.0	110
Removal and Replacement of Sodium Hypochlorite Generation System (WB64)	(970.4)	1,600.0	-	-	-	-	1,600.0	121
RWDS Improvements (VB52)	(8,890.0)	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0	110
Sanitary Sewer Lateral Rehabilitation (VB67)	(50.4)	125.0	50.0	50.0	50.0	50.0	325.0	110
Secondary Clarifier Rehabilitation (VB64)	(1,609.5)	2,457.2	-	-	-	-	2,457.2	111
Site 71 Well Site and Water Booster Station (WB63)	(4,474.0)	5,000.0	-	-	-	-	5,000.0	121
Southwest Waterline Replacements (WB59)	(1,102.4)	1,215.0	-	-	-	-	1,215.0	121
SROG Operations & Solids Improvements (VB57)	(26.0)	1,500.0	-	-	-	-	1,500.0	111
SROG Sewage Transmission Line (VB50)	(9,824.1)	30,466.9	-	-	-	-	30,466.9	111
SROG SRO / SAI Interceptor Odor Control (VB60)	(7.4)	10,760.0	-	-	-	-	10,760.0	112
* SROG Wastewater Treatment Plant (YB81)	(85.6)	500.0	-	-	-	-	500.0	112
* SROG Wastewater Treatment Plant (YC24)	-	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0	112
SROG Water Reclamation Capacity Management (VB55)	(568.6)	1,016.3	-	-	-	-	1,016.3	113
Tonopah Recharge Basin (WB74)	(1,541.2)	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0	122
Wastewater Collection System Improvements (VB62)	(6,472.0)	26,787.7	3,950.0	3,811.4	3,993.5	4,000.0	42,542.6	113

*Recurring Capital Maintenance Projects.



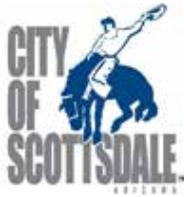
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Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Water Resources								
Wastewater Impact Fees (VC01)	-	20.0	-	-	-	-	20.0	113
Wastewater Oversizing (VB53)	(1,832.0)	1,985.6	50.0	-	50.0	-	2,085.6	114
Wastewater Technology Master Plan (VB66)	-	240.0	-	-	100.0	-	340.0	114
Water and Sewer System Optimization (WB55)	(1,478.1)	1,500.0	-	-	-	-	1,500.0	122
Water Campus Vadose Well Rehabilitation (WB79)	-	385.0	125.0	155.0	50.0	50.0	765.0	122
Water Distribution System Improvements (WB77)	(6,750.0)	27,624.2	9,000.0	10,000.0	9,000.0	6,500.0	62,124.2	123
Water Impact Fees (WC01)	-	20.0	-	-	-	-	20.0	123
Water Meter Replacement Program (WB66)	(1,331.5)	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0	123
Water Oversizing (WB53)	(7,771.7)	8,204.5	-	-	-	-	8,204.5	124
Water Participation Program (WB54)	(735.4)	2,000.0	-	-	750.0	-	2,750.0	124
Water Quality Regulatory Compliance Programs (WB52)	(1,443.5)	2,100.0	-	-	-	-	2,100.0	124
Water Reclamation Participation Program (VB56)	(1,912.1)	3,350.0	-	-	750.0	-	4,100.0	114
Water Reclamation Security Enhancements (VB54)	(3,025.3)	3,466.0	380.0	300.0	400.0	350.0	4,896.0	115
Water Resources Impact Fees (WC02)	-	20.0	-	-	-	-	20.0	125
* Water System Security Enhancements (YB80)	(422.6)	440.0	-	-	-	-	440.0	125
* Water System Security Enhancements (YC26)	-	460.0	430.0	410.0	280.0	400.0	1,980.0	125
Water Technology Master Plan (WB72)	(0.1)	360.0	-	-	150.0	-	510.0	125
Water Treatment Plant Membranes (WB71)	(455.9)	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0	126
Well Sites (WB75)	(94.6)	1,115.4	-	-	-	-	1,115.4	126
Well Sites Rehabilitation (WB51)	(2,053.0)	4,000.0	-	-	-	-	4,000.0	126
WestWorld Improvements (WB58)	(186.3)	900.0	-	-	-	-	900.0	126
Zone 14/16 Water Improvements Phase 2 (WB70)	(563.2)	14,471.3	-	-	-	-	14,471.3	127
Zone 2 Water System Improvements (WC05)	-	630.0	7,200.0	-	-	-	7,830.0	127
Zone 3W Water System Improvements (TEMP1639)	-	-	425.0	4,350.0	-	-	4,775.0	127

*Recurring Capital Maintenance Projects.



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(In thousands of dollars)

Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Community Facilities - Neighborhood & Community								
Adaptive Recreation Building Remodel (PB67)	(616.2)	641.0	-	-	-	-	641.0	40
Civic Center Mall Renovations (DC01)	-	300.0	-	-	-	-	300.0	40
Marshall Way Entry Feature (DB57)	(143.2)	157.0	-	-	-	-	157.0	41
Paiute Park Playground and Rehabilitation (PB70)	-	107.0	-	-	-	-	107.0	41
Papago Park Playground Rehabilitation (PB69)	-	116.0	-	-	-	-	116.0	41
Scottsdale Road Preservation Streetscape Enhancement (DB50)	(23,924.6)	27,251.2	-	-	-	-	27,251.2	42
Scottsdale's Museum of the West (DB55)	(13,530.0)	13,600.0	-	-	-	-	13,600.0	42
SkySong - ASU Scottsdale Center for Innovation (DB51)	(38,121.2)	38,173.0	-	-	-	-	38,173.0	42
Tony Nelssen Equestrian Center Expansion (DB54)	(46,105.1)	46,620.0	-	-	-	-	46,620.0	43
TPC Clubhouse and Stadium Course Renovations (PB56)	(13,906.5)	14,055.0	-	-	-	-	14,055.0	43
WestWorld - 94th Street Improvements (DB61)	-	339.6	-	-	-	-	339.6	43
WestWorld Events Paving & Show Office Improvements (DB56)	(4,298.5)	4,300.0	-	-	-	-	4,300.0	44
WestWorld North Hall Improvements (DB62)	-	289.6	-	-	-	-	289.6	44
WestWorld Site Improvements (DB60)	-	239.6	-	-	-	-	239.6	44
Community Facilities - Parks/Park Improvements								
Ballfield Lighting System Replacement Phase I (PB68)	(874.3)	883.0	-	-	-	-	883.0	45
Indian Bend Wash Lakes Phase I (PB63)	(254.1)	3,240.0	-	-	-	-	3,240.0	45
Scottsdale Stadium Infrastructure Improvements (PB57)	(302.1)	1,326.8	202.2	202.2	202.2	202.2	2,135.6	45
Sports Lighting Expansion & Upgrade (PB59)	(4,632.4)	4,671.7	-	-	-	-	4,671.7	45
Drainage / Flood Control - Drainage / Flood Control								
3rd Avenue and North Craftsman Court Drainage (FB56)	-	60.0	-	-	-	-	60.0	48
8525 East Pinnacle Peak Road Drainage (FB58)	(17.1)	61.0	-	-	-	-	61.0	48
Granite Reef Watershed (FB50)	(1,831.6)	14,888.9	5,046.4	1,248.0	1,712.0	28,160.4	51,055.7	48
Loop 101 Detention Basin (FB53)	(1,799.6)	2,473.3	-	-	-	-	2,473.3	49
* Neighborhood Stormwater Management Improvements (YB67)	(158.6)	115.0	-	-	-	-	115.0	49
* Neighborhood Stormwater Management Improvements (YC05)	-	75.0	75.0	75.0	75.0	75.0	375.0	49
Paradise Drive Storm Drain (FB57)	(23.2)	413.0	-	-	-	-	413.0	50
Princess Drive Drainage Project (FC01)	-	1,100.0	-	-	-	325.0	1,425.0	50
Reata Wash Flood Control (FB55)	(1,089.5)	1,256.0	-	-	-	-	1,256.0	50
Upper Camelback Wash Watershed (FB51)	(16,807.1)	17,710.0	-	-	-	-	17,710.0	51
Preservation - Preservation/Preservation Improvements								
Central Area Trail Construction (DB52)	(406.4)	872.5	-	-	-	-	872.5	54
Expanded McDowell Sonoran Preserve (PB66)	(176.2)	168,267.0	-	-	-	-	168,267.0	54
North Area Access Control & Stabilization (PB54)	(1,408.3)	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0	54
North Area Trail Construction (PB50)	(1,456.6)	2,700.0	100.0	100.0	100.0	-	3,000.0	55
Pima/Dynamite Trailhead (PB65)	-	3,500.0	500.0	-	-	-	4,000.0	55

*Recurring Capital Maintenance Projects.



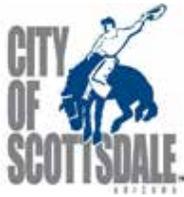
Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Program

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Preservation - Preservation/Preservation Improvements								
Preserve Trail, Habitat & Safety Improvements (PB52)	(60.8)	157.0	30.0	30.0	30.0	-	247.0	55
South Area Access Control (PB61)	(611.0)	1,050.0	150.0	150.0	150.0	-	1,500.0	56
South Area Trail Construction (PB51)	(410.4)	990.0	-	-	-	-	990.0	56
Public Safety - Fire Protection								
Desert Foothills Fire Station 13 (BB50)	(2,105.0)	2,275.0	-	-	-	-	2,275.0	58
Fire Radio Replacement (JB58)	(1,103.4)	1,208.6	-	-	-	-	1,208.6	58
Public Safety Radio Network Lifecycle Project (TEMP1485)	-	-	1,299.8	151.8	151.8	-	1,603.4	58
Relocate and Build FS613 (BB52)	(449.7)	723.6	-	-	-	-	723.6	59
Public Safety - Police								
3D Laser Scanner (JB52)	(86.6)	97.0	-	-	-	-	97.0	60
9-1-1 Communication Equipment Replacement (JB51)	(1,027.9)	1,128.3	-	-	-	-	1,128.3	60
9-1-1 Voice Logging Recorder Replacement (MB60)	(209.8)	240.7	-	-	-	-	240.7	60
Additional Servers for Digital Evidence and Forensic Recovery (JB63)	(138.1)	170.1	-	-	-	-	170.1	60
Advanced Authentication via HID Cards (JB54)	(44.5)	52.3	-	-	-	-	52.3	61
Advanced Mobile Solutions (JB61)	-	105.8	-	-	-	-	105.8	61
Cameras & Communication Equipment for Special Events and Surveillance Investigations (JB60)	(89.2)	152.6	-	-	-	-	152.6	61
* Crime Laboratory Equipment Replacement (YB65)	(210.5)	229.0	-	-	-	-	229.0	62
* Crime Laboratory Equipment Replacement (YC03)	-	141.7	234.4	239.8	332.5	245.6	1,194.0	62
* Crime Laboratory Equipment Replacement (YB56)	(119.8)	127.2	-	-	-	-	127.2	62
District 2 Jail IP Video Monitoring System (JB57)	(203.3)	217.5	-	-	-	-	217.5	63
Lab Information Management System (LIMS) Integration (MB62)	-	112.1	-	-	-	-	112.1	63
MetaMorpho to BIS (JB53)	(62.1)	81.8	-	-	-	-	81.8	63
Police – Records Management and CAD System Replacement (MB50)	(4,523.7)	4,525.0	-	-	-	-	4,525.0	64
Police Advanced Mobile Upgrades (MB55)	(773.7)	773.8	-	-	-	-	773.8	64
* Police Portable & Vehicle Radio Replacement (YC06)	-	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4	64
* Police Portable and Vehicle Radio Replacement (YB68)	(719.3)	821.8	-	-	-	-	821.8	65
Policy & Standards Management Software (MB63)	-	47.9	-	-	-	-	47.9	65
Public Safety Radio System-Phase I (MB52)	(20,891.7)	22,049.9	-	-	-	-	22,049.9	65
Records Management System & Computer Aided Dispatch Enhancements and Refresh (JB62)	-	95.9	299.8	-	-	-	395.7	66
Service Facilities - Municipal Facilities/Improvements								
Additional Compressed Natural Gas (CNG) Fuel Dispensers (BB51)	(328.8)	434.9	-	-	-	-	434.9	68
Additional CNG Station (BC01)	-	2,640.0	-	-	-	-	2,640.0	68
* Facilities Repair and Maintenance Program (YB64)	(1,360.2)	2,120.0	-	-	-	-	2,120.0	68
* Facilities Repair and Maintenance Program (YC01)	-	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3	69
North Corp Yard CNG Compliance (BB53)	-	400.0	-	-	-	-	400.0	69

*Recurring Capital Maintenance Projects.



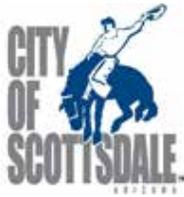
Five-Year Capital Improvement Plan

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(In thousands of dollars)

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		Adopted	Forecast	Forecast	Forecast	Forecast		
Service Facilities - Municipal Facilities/Improvements								
Transfer Station Expansion (BB56)	(1,200.7)	1,800.0	-	-	-	-	1,800.0	69
Service Facilities - Technology Improvements								
CIP Contingency (ZB50)	-	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0	44,000.0	70
CIP Contingency for Future Grants (ZB51)	-	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0	70
* CityCable Audio/Video Equipment Replacements (YB66)	(27.2)	40.9	-	-	-	-	40.9	70
* Citywide Audio/Video Equipment Replacement (YC04)	-	161.3	-	200.6	69.8	-	431.7	70
IT - Information Lifecycle Management (MB58)	-	210.0	-	-	-	-	210.0	71
* IT - Network Infrastructure (YB69)	(503.5)	447.0	-	-	-	-	447.0	72
* IT - Network Infrastructure (YC07)	-	370.0	367.0	381.5	419.7	441.5	1,979.7	73
* IT - Network Infrastructure (YB57)	(300.2)	320.0	-	-	-	-	320.0	71
* IT - Network Infrastructure (YB53)	(376.2)	417.1	-	-	-	-	417.1	72
* IT - Server Infrastructure (YC08)	-	668.2	598.9	376.5	1,848.6	1,091.1	4,583.3	73
* IT - Server Infrastructure (YB70)	-	901.5	-	-	-	-	901.5	74
* IT - Server Infrastructure (YB54)	(187.3)	208.9	-	-	-	-	208.9	74
* IT - Server Infrastructure (YB58)	(1,005.3)	1,024.4	-	-	-	-	1,024.4	75
IT - Telephone System Upgrade (MB56)	(540.1)	630.0	-	-	-	-	630.0	75
IT-Web Content Management SW (MB51)	(233.3)	298.4	-	-	-	-	298.4	75
Mobile Network Software (MB57)	(65.9)	346.4	-	-	-	-	346.4	76
Network Infrastructure Extension (MB54)	(727.7)	862.5	-	-	-	-	862.5	76
Online Bill Payment and Presentment System (JB65)	(11.7)	381.5	-	-	-	-	381.5	76
Payroll System Replacement (JB59)	(26.7)	700.1	199.7	-	-	-	899.8	77
Public Records and Litigation Document Review Software (JB50)	(214.7)	288.8	-	-	-	-	288.8	77
Solid Waste Vehicle Monitoring System (JB66)	(491.9)	822.5	-	-	-	-	822.5	78
Street Operations Work and Asset Management System (JB56)	(0.9)	168.1	-	-	-	-	168.1	78
Wide Area Network Fiber (MB53)	(168.4)	465.9	-	-	-	-	465.9	78
Transportation - Aviation/Aviation Improvements								
Airport Futures Contingency (ZB53)	-	3,600.1	-	-	-	-	3,600.1	82
Airport Master Plan (AB51)	(533.8)	550.7	-	-	-	-	550.7	82
Airport Pavement Preservation Program (AB52)	(698.0)	1,013.0	100.0	100.0	100.0	-	1,313.0	82
Airport Security System Improvements (AB54)	(81.1)	120.0	-	-	-	-	120.0	82
Airport Terminal Remodel (AB59)	-	10,000.0	-	-	-	-	10,000.0	83
Apron Reconstruction - Delta Apron (AC02)	-	2,400.0	-	-	-	-	2,400.0	83
Aviation Match Contingency (ZB52)	-	250.0	-	-	-	-	250.0	83
Construct Airport Operations/Maintenance (AB55)	(4,543.8)	4,900.0	-	-	-	-	4,900.0	84
Environmental Assessment for Land Acquisition (AB57)	-	-	-	-	-	200.0	200.0	84
Erosion Protection/Wildlife Mitigation - Runway Approach Area (AC01)	-	500.0	-	-	-	-	500.0	84
Reconstruct Taxiway "C" (TEMP975)	-	-	-	40.0	360.0	-	400.0	85
Rehabilitate Runway 03/21 (AB61)	-	600.0	5,400.1	-	-	-	6,000.1	85
Rehabilitate Taxiway "A" and Exits (AB60)	-	899.9	8,100.1	-	-	-	9,000.0	85
Rehabilitate Taxiway "B" and Exits (AB56)	(642.4)	7,000.1	-	-	-	-	7,000.1	86

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

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	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
Transportation - Aviation/Aviation Improvements							
Replace Electrical Pullboxes - Main Apron (AB58)	-	70.0	-	-	-	-	70.0 86
Runway Safety Enhancements Phase 2 (AB53)	(2,953.8)	4,970.0	-	-	-	-	4,970.0 86
Transportation - Streets/Street Improvements							
124th & 128th Street - Street, Intersection and Multi-Use Path Improvements (SB55)	(125.3)	1,100.0	-	-	-	-	1,100.0 87
98th Street West Half Improvement - North of McDowell Mountain Ranch Road (TEMP1610)	-	-	150.0	850.0	-	-	1,000.0 87
Airpark Area Access Projects Phase I (SB52)	(7,617.4)	7,638.2	-	-	-	-	7,638.2 87
Alma School and Jomax Road Improvements (TEMP1608)	-	-	-	-	-	1,100.0	1,100.0 88
* CIP Advance Planning Program (YB50)	(2,109.5)	2,257.3	-	-	-	-	2,257.3 88
Frank Lloyd Wright-Scottsdale Rd to Shea (SB50)	(1,524.9)	2,467.5	-	-	-	-	2,467.5 88
Miller Road Underpass at the 101 Freeway (SC03)	-	1,000.0	-	-	-	-	1,000.0 89
* Pavement Overlay Program (YB78)	(3,348.7)	3,300.0	-	-	-	-	3,300.0 89
* Pavement Overlay Program (YC29)	-	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0 89
Pima Road - Pinnacle Peak to Happy Valley (SC01)	-	1,921.5	1,700.0	4,571.5	-	-	8,193.0 90
Pima Road: Via Linda to Via de Ventura (SB57)	(89.6)	1,912.0	-	-	-	-	1,912.0 90
Pima Road: Krail Street to Chaparral Road (SC04)	-	86.0	387.0	343.0	807.0	-	1,623.0 91
Pinnacle Vista - 56th Street Intersection Improvements (TEMP1611)	-	-	350.0	-	-	-	350.0 91
Raintree Drive: Hayden Road to Loop 101 (SC02)	-	1,006.0	1,500.0	6,500.0	-	-	9,006.0 91
Raintree Drive: Scottsdale Road to Hayden Road (SB53)	(1,752.5)	9,745.7	13,571.4	-	-	-	23,317.1 92
Raintree/Loop 101 Interchange (TEMP1184)	-	-	1,006.0	500.0	3,017.1	-	4,523.1 92
Redfield Road: Raintree Drive to Hayden Road (SB56)	-	214.3	1,928.6	-	-	-	2,142.9 93
Replace Drainage Grates (SB58)	(56.2)	259.0	100.0	100.0	100.0	100.0	659.0 93
Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak (SB59)	(12,115.2)	12,588.8	-	-	-	-	12,588.8 93
Southbound Loop 101 Frontage Road Connections (SB54)	(149.0)	4,360.1	-	-	-	-	4,360.1 94
Transportation - Traffic/Traffic Reduction							
Advanced Traffic Signal Control Cabinets - Phase I (TC04)	-	721.0	-	-	-	-	721.0 95
Advanced Traffic Signal Control Cabinets - Phase II (TEMP1191)	-	-	721.0	-	-	-	721.0 95
Chaparral Road Traffic Calming, Sewer & Drainage Improvements-Scottsdale Rd. to 69th Place (TB61)	(181.9)	2,097.7	-	-	-	-	2,097.7 95
Hayden Road / Chaparral Intersection Improvements (TB59)	(2.7)	3.0	-	-	-	-	3.0 96
Hayden/Thomas Safety Improvements (TB57)	(400.6)	2,707.7	-	-	-	-	2,707.7 96
* Intersection Mobility Enhancements (YB72)	(442.0)	1,500.0	-	-	-	-	1,500.0 96
* Intersection Mobility Enhancements (YC19)	-	100.0	500.0	500.0	500.0	500.0	2,100.0 96
ITS/Signal System Upgrades (TB56)	(1,533.0)	3,649.9	-	-	-	-	3,649.9 97
* Neighborhood Traffic Management Program (YB74)	(49.1)	200.0	-	-	-	-	200.0 97
* Neighborhood Traffic Management Program (YTEMP1691)	-	-	100.0	100.0	100.0	100.0	400.0 97

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Transportation - Traffic/Traffic Reduction								
* Neighborhood Traffic Management Program (YB62)	(242.7)	250.0	-	-	-	-	250.0	97
* Traffic Management Program - ITS (YB75)	(428.9)	500.0	-	-	-	-	500.0	98
* Traffic Management Program - ITS (YTEMP1692)	-	-	200.0	200.0	200.0	200.0	800.0	98
* Traffic Signal Construction (YB76)	(301.9)	300.0	-	-	-	-	300.0	98
* Traffic Signal Construction (YC23)	-	250.0	250.0	250.0	250.0	250.0	1,250.0	98
Transportation - Transit/Transit Improvements								
Arizona Canal Path - Chaparral to McDonald to Indian Bend Wash (TB58)	(516.9)	4,111.7	-	-	-	-	4,111.7	99
* Bikeways Program (YB77)	(562.7)	850.0	-	-	-	-	850.0	99
* Bikeways Program (YTEMP1694)	-	-	300.0	300.0	300.0	300.0	1,200.0	99
* Bus Stop Improvements (YB82)	(113.4)	150.0	-	-	-	-	150.0	99
Crosscut Canal Bridge and Path (TB63)	(165.8)	897.7	-	-	-	-	897.7	100
Downtown Pedestrian Improvements (TB55)	(562.5)	600.0	-	-	-	-	600.0	100
McDowell Road Bridge over Indian Bend Wash (TB52)	(3,550.7)	3,786.6	-	-	-	-	3,786.6	100
Mustang Transit Passenger Facility (TB50)	(721.6)	8,393.9	-	-	-	-	8,393.9	101
North Canal Bank Improvements - Marshall Way to Goldwater (TB60)	(1,502.9)	1,946.0	-	-	-	-	1,946.0	101
Pave 3 Dirt Roads (TB64)	(1,014.1)	1,344.5	-	-	-	-	1,344.5	101
Shea Underpass Access at 124th Street (TB66)	(159.4)	1,661.0	-	-	-	-	1,661.0	102
* Sidewalk Improvements (YB73)	-	200.0	-	-	-	-	200.0	102
* Sidewalk Improvements (YTEMP1690)	-	-	100.0	100.0	100.0	100.0	400.0	102
* Sidewalk Improvements (YB61)	(234.7)	350.0	-	-	-	-	350.0	102
Skysong Center Transit Passenger Facility and Sidewalk Improvements (TB51)	(2,444.8)	4,758.8	-	-	-	-	4,758.8	103
Thomas Road Bicycle Lanes and Enhanced Sidewalks (TB53)	(7,026.2)	6,926.9	-	-	-	-	6,926.9	103
* Trail Improvement Program (YB71)	(259.4)	650.0	-	-	-	-	650.0	103
* Trail Improvement Program (YTEMP1688)	-	-	100.0	100.0	100.0	100.0	400.0	103
Transit Bus Purchases (TB67)	-	5,711.0	-	-	-	-	5,711.0	104
Transit Stop Improvements (TC03)	-	200.0	-	-	-	-	200.0	104
Transit Vehicle Refurbishment (TB54)	(52.8)	150.0	-	-	-	-	150.0	104
WestWorld Trail Connections (TC02)	-	632.0	4,479.6	-	-	-	5,111.6	104
Water Management - Wastewater Improvements								
Advance Water Treatment Plant Membranes - Wastewater (VB69)	-	401.2	-	-	401.2	812.6	1,615.0	107
Campus Headworks Screen (VB65)	(795.9)	890.9	-	-	-	-	890.9	107
Campus/Central Arizona Project Drainage & Paving Improvements (Wastewater) (VB68)	(109.7)	1,600.0	-	-	-	-	1,600.0	107
Cross Roads East Wastewater (VB51)	(282.9)	4,212.9	-	-	-	-	4,212.9	108
Gainey Ranch WWTP Reuse Recharge (VC03)	-	401.6	-	-	-	-	401.6	108
Hydrogen Sulfide Mitigation (VB63)	(4,264.5)	5,011.7	-	-	-	-	5,011.7	108
Master Plan Water Reclamation (VB70)	(356.4)	945.5	-	-	350.0	-	1,295.5	109
Northeast Sewer Pumpback Station Sewerline Replacement, Site Wall to ADOT ROW (VB61)	(602.8)	986.0	-	-	-	-	986.0	109
Radio Telemetry Monitoring Automation Citywide - Wastewater (VB58)	(1,827.8)	2,305.5	200.0	200.0	350.0	275.0	3,330.5	109

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Water Management - Wastewater Improvements								
Reclamation Regulatory Compliance (VB59)	-	250.0	-	-	-	-	250.0	110
RWDS Improvements (VB52)	(8,890.0)	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0	110
Sanitary Sewer Lateral Rehabilitation (VB67)	(50.4)	125.0	50.0	50.0	50.0	50.0	325.0	110
Secondary Clarifier Rehabilitation (VB64)	(1,609.5)	2,457.2	-	-	-	-	2,457.2	111
SROG Operations & Solids Improvements (VB57)	(26.0)	1,500.0	-	-	-	-	1,500.0	111
SROG Sewage Transmission Line (VB50)	(9,824.1)	30,466.9	-	-	-	-	30,466.9	111
SROG SRO / SAI Interceptor Odor Control (VB60)	(7.4)	10,760.0	-	-	-	-	10,760.0	112
* SROG Wastewater Treatment Plant (YB81)	(85.6)	500.0	-	-	-	-	500.0	112
* SROG Wastewater Treatment Plant (YC24)	-	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0	112
SROG Water Reclamation Capacity Management (VB55)	(568.6)	1,016.3	-	-	-	-	1,016.3	113
Wastewater Collection System Improvements (VB62)	(6,472.0)	26,787.7	3,950.0	3,811.4	3,993.5	4,000.0	42,542.6	113
Wastewater Impact Fees (VC01)	-	20.0	-	-	-	-	20.0	113
Wastewater Oversizing (VB53)	(1,832.0)	1,985.6	50.0	-	50.0	-	2,085.6	114
Wastewater Technology Master Plan (VB66)	-	240.0	-	-	100.0	-	340.0	114
Water Reclamation Participation Program (VB56)	(1,912.1)	3,350.0	-	-	750.0	-	4,100.0	114
Water Reclamation Security Enhancements (VB54)	(3,025.3)	3,466.0	380.0	300.0	400.0	350.0	4,896.0	115
Water Management - Water Improvements								
Advance Water Treatment Plant Membranes - Water (WB65)	-	70.8	-	-	70.8	143.4	285.0	116
Air Park Zone 4 Water Transmission Main (TEMP1638)	-	-	250.0	1,450.0	-	-	1,700.0	116
Booster Pump Station 42B Infrastructure Improvements (WB67)	(185.0)	3,915.0	-	-	-	-	3,915.0	116
Booster Station Upgrades (WB76)	(4,778.9)	7,388.1	250.0	750.0	550.0	500.0	9,438.1	116
Campus/Central Arizona Project Drainage & Paving Improvements (Water) (WB73)	(28.9)	400.0	-	-	-	-	400.0	117
Chaparral Water Treatment Plant Intake Screens (WB62)	(1,413.5)	2,650.0	-	-	-	-	2,650.0	117
Chaparral Water Treatment Plant Membrane Communications System Upgrades (WB68)	(1,302.0)	1,625.0	-	-	-	-	1,625.0	117
Chaparral Water Treatment Plant Pretreatment (WB56)	(7,869.4)	28,154.1	-	-	-	-	28,154.1	118
Cross Roads East Water (WB50)	(2,424.5)	7,031.2	-	-	-	-	7,031.2	118
Deep Well Recharge/Recovery Facilities (WB61)	(899.3)	5,099.9	-	-	-	-	5,099.9	118
East Dynamite Area Transmission Main (TEMP1637)	-	-	450.0	4,350.0	-	-	4,800.0	119
Frank Lloyd Wright 24-inch Transmission Main & Booster Station 83B Modifications (WC03)	-	1,300.0	14,100.0	-	-	-	15,400.0	119
HVID - Harquahala Valley Irrigation District - Scottsdale Share (WC04)	-	1,150.0	-	-	-	-	1,150.0	119
Irrigation Water Distribution System Improvements (WB57)	(298.4)	2,250.0	750.0	-	-	-	3,000.0	119
IWDS / Harquahala Valley Irrigation District Property - Desert Mountain Golf Club (WB69)	(6,219.1)	9,692.0	-	-	-	-	9,692.0	120
IWDS / Harquahala Valley Irrigation District Property - Scottsdale National Golf Club (WB80)	(57.7)	4,345.0	-	-	-	-	4,345.0	120
Master Plan - Water (WB78)	(186.7)	902.7	-	-	450.0	-	1,352.7	120

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

FY 2015/16 – 2019/20 Sorted by Program

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Water Management - Water Improvements								
Radio Telemetry Monitoring Automation Citywide - Water (WB60)	(2,179.7)	2,914.4	200.0	75.0	290.0	215.0	3,694.4	120
Removal and Replacement of Sodium Hypochlorite Generation System (WB64)	(970.4)	1,600.0	-	-	-	-	1,600.0	121
Site 71 Well Site and Water Booster Station (WB63)	(4,474.0)	5,000.0	-	-	-	-	5,000.0	121
Southwest Waterline Replacements (WB59)	(1,102.4)	1,215.0	-	-	-	-	1,215.0	121
Tonopah Recharge Basin (WB74)	(1,541.2)	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0	122
Water and Sewer System Optimization (WB55)	(1,478.1)	1,500.0	-	-	-	-	1,500.0	122
Water Campus Vadose Well Rehabilitation (WB79)	-	385.0	125.0	155.0	50.0	50.0	765.0	122
Water Distribution System Improvements (WB77)	(6,750.0)	27,624.2	9,000.0	10,000.0	9,000.0	6,500.0	62,124.2	123
Water Impact Fees (WC01)	-	20.0	-	-	-	-	20.0	123
Water Meter Replacement Program (WB66)	(1,331.5)	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0	123
Water Oversizing (WB53)	(7,771.7)	8,204.5	-	-	-	-	8,204.5	124
Water Participation Program (WB54)	(735.4)	2,000.0	-	-	750.0	-	2,750.0	124
Water Quality Regulatory Compliance Programs (WB52)	(1,443.5)	2,100.0	-	-	-	-	2,100.0	124
Water Resources Impact Fees (WC02)	-	20.0	-	-	-	-	20.0	125
* Water System Security Enhancements (YB80)	(422.6)	440.0	-	-	-	-	440.0	125
* Water System Security Enhancements (YC26)	-	460.0	430.0	410.0	280.0	400.0	1,980.0	125
Water Technology Master Plan (WB72)	(0.1)	360.0	-	-	150.0	-	510.0	125
Water Treatment Plant Membranes (WB71)	(455.9)	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0	126
Well Sites (WB75)	(94.6)	1,115.4	-	-	-	-	1,115.4	126
Well Sites Rehabilitation (WB51)	(2,053.0)	4,000.0	-	-	-	-	4,000.0	126
WestWorld Improvements (WB58)	(186.3)	900.0	-	-	-	-	900.0	126
Zone 14/16 Water Improvements Phase 2 (WB70)	(563.2)	14,471.3	-	-	-	-	14,471.3	127
Zone 2 Water System Improvements (WC05)	-	630.0	7,200.0	-	-	-	7,830.0	127
Zone 3W Water System Improvements (TEMP1639)	-	-	425.0	4,350.0	-	-	4,775.0	127

*Recurring Capital Maintenance Projects.



Five-Year Capital Improvement Plan

Operating Impacts

(In thousands of dollars)

Project	Forecast FY2016/17	Forecast FY2017/18	Forecast FY2018/19	Forecast FY2019/20	Total	Page #
9-1-1 Communication Equipment Replacement (JB51) Contractual services	28.0	30.0	30.0	30.0	118.0	60
98th Street West Half Improvement - North of McDowell Mountain Ranch Road (TEMP1610) Contractual services related to 330 feet of landscape median length, 0.4 lane miles of additional pavement, street widening and median.	-	-	1.8	1.8	3.6	87
Additional Servers for Digital Evidence and Forensic Recovery (JB63) Software maintenance agreements	46.0	46.0	46.0	46.0	184.0	60
Additional CNG Station (BC01) Contractual services	12.0	12.0	12.0	12.0	48.0	68
Advanced Mobile Solutions (JB61) Software maintenance agreements	20.0	20.0	20.0	20.0	80.0	61
Alma School and Jomax Road Improvements (TEMP1608) Contractual services related to an additional 3,000 feet of landscape median length, 1.1 additional pavement lane miles, street widening and median.	-	7.1	7.1	7.1	21.3	88
Lab Information Management System (LIMS) Integration (MB62) Service maintenance agreement	11.2	11.2	11.2	11.2	44.8	63
Mustang Transit Passenger Facility (TB50) Contractual services related to additional lighting operation and maintenance	4.0	4.0	4.0	4.0	16.0	101
Online Bill Payment and Presentment System (JB65) Contractual services	75.0	75.0	75.0	75.0	300.0	76
Payroll System Replacement (JB59) Software maintenance costs	100.0	100.0	100.0	100.0	400.0	77
Pima Road - Pinnacle Peak to Happy Valley (SC01) Contractual services related to some existing median, 3,500 feet of additional landscape median length, and 2 additional lane miles of pavement.	-	-	14.5	14.5	29.0	90
Pima Road: Krail Street to Chaparral Road (SC04) Contractual services related to an additional 7,000 feet of landscape median Length, 3.5 additional lane miles of pavement. The maintenance responsibilities will be shared with the Salt River Pima-Maricopa Indian Community (SRPMIC).	-	-	-	27.2	27.2	91
Policy & Standards Management Software (MB63) Maintenance agreement	8.0	8.0	8.0	8.0	32.0	65
Public Records and Litigation Document Review Software (JB50) Annual software maintenance	30.0	30.0	30.0	35.0	125.0	77



Five-Year Capital Improvement Plan

Operating Impacts

(In thousands of dollars)

Project	Forecast FY2016/17	Forecast FY2017/18	Forecast FY2018/19	Forecast FY2019/20	Total	Page #
Raintree Drive: Scottsdale Road to Hayden Road (SB53) Contractual services related to an additional 2,000 feet of median length and new street alignment with some median.	-	3.1	3.1	3.1	9.3	92
Records Management System & Computer Aided Dispatch Enhancements and Refresh (JB62) Service and maintenance agreement	13.2	13.2	41.0	41.0	108.4	66
Redfield Road: Raintree Drive to Hayden Road (SB56) Contractual services related to an additional 100 feet of landscape median length and minor median addition.	-	-	1.5	1.5	3.0	93
Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak (SB59) Contractual services related to additional pavement, drainage, bridge maintenance and repair and additional lighting operating and maintenance.	25.6	25.6	25.6	25.6	102.4	93
Scottsdale Road Preservation Streetscape Enhancement (DB50) Contractual services related to additional landscape, art maintenance and repair, and additional lighting operation and maintenance.	50.0	50.0	50.0	50.0	200.0	42
Skysong Center Transit Passenger Facility and Sidewalk Improvements (TB51) Contractual services related to additional landscape and art maintenance and repair, bus shelter maintenance and repair and additional lighting operation and maintenance.	59.9	59.9	59.9	59.9	239.6	103
Southbound Loop 101 Frontage Road Connections (SB54) Contractual services related to a roundabout at the Home Depot entry and the development driveway asphalt that becomes a city street.	1.8	1.8	1.8	1.8	7.2	94
Total Forecasted Operating Impacts	484.7	496.9	542.5	574.7	2,098.8	

Notes: Operating impacts relating to projects scheduled for completion in FY2015/16 have been included in the appropriate divisional operating budget.

Capital Improvement Plan – Operating Impacts

Forecasted Operating Impacts

FY 2016/17

\$484.7

(in thousands)

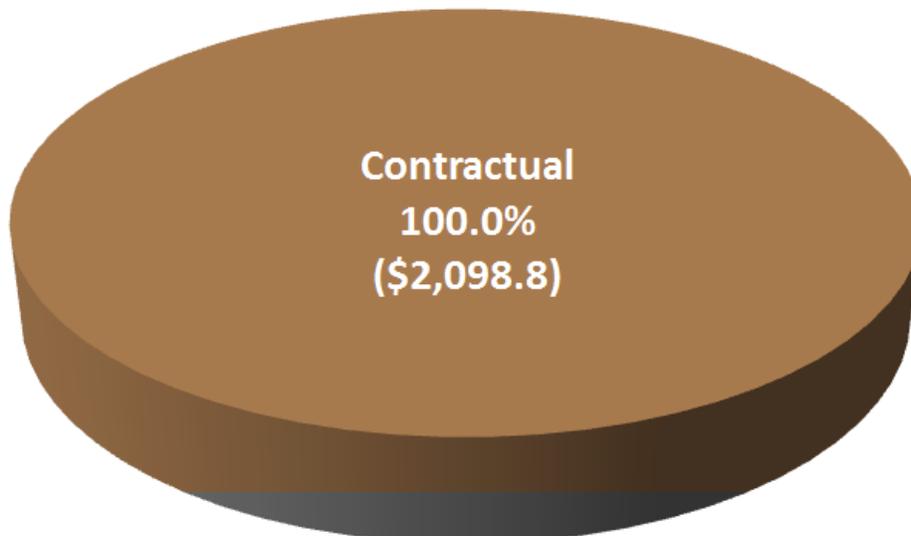


Forecasted Operating Impacts

FY 2016/17 - 2019/20

\$2,098.8

(in thousands)





Pedestrian Improvements Southeast Corner of
Camelback Road and Scottsdale Road
Copper Falls

Project Descriptions

(In thousands of dollars)

Community Facilities

Community Facilities programs focus on enhancing and protecting a diverse, family-oriented community where neighborhoods are safe and well maintained by providing neighborhood recreation facilities, parks and libraries. These recreational needs are met by providing parks, park improvements, multiuse paths, neighborhood enhancements, youth sports lighting, aquatic centers, library facilities and senior centers. Approximately 2.0 percent (\$9.7 million) of the CIP has been identified to address the needs of this program.

Project	Estimated Expenditures						Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast		
Community Facilities								
Neighborhood and Community								
Adaptive Recreation Building Remodel (PB67)	(616.2)	641.0	-	-	-	-	641.0	40
Civic Center Mall Renovations (DC01)	-	300.0	-	-	-	-	300.0	40
Marshall Way Entry Feature (DB57)	(143.2)	157.0	-	-	-	-	157.0	41
Paiute Park Playground and Rehabilitation (PB70)	-	107.0	-	-	-	-	107.0	41
Papago Park Playground Rehabilitation (PB69)	-	116.0	-	-	-	-	116.0	41
Scottsdale Road Preservation Streetscape Enhancement (DB50)	(23,924.6)	27,251.2	-	-	-	-	27,251.2	42
Scottsdale's Museum of the West (DB55)	(13,530.0)	13,600.0	-	-	-	-	13,600.0	42
SkySong - ASU Scottsdale Center for Innovation (DB51)	(38,121.2)	38,173.0	-	-	-	-	38,173.0	42
Tony Nelssen Equestrian Center Expansion (DB54)	(46,105.1)	46,620.0	-	-	-	-	46,620.0	43
TPC Clubhouse and Stadium Course Renovations (PB56)	(13,906.5)	14,055.0	-	-	-	-	14,055.0	43
WestWorld - 94th Street Improvements (DB61)	-	339.6	-	-	-	-	339.6	43
WestWorld Events Paving & Show Office Improvements (DB56)	(4,298.5)	4,300.0	-	-	-	-	4,300.0	44
WestWorld North Hall Improvements (DB62)	-	289.6	-	-	-	-	289.6	44
WestWorld Site Improvements (DB60)	-	239.6	-	-	-	-	239.6	44
Parks/Park Improvements								
Ballfield Lighting System Replacement Phase I (PB68)	(874.3)	883.0	-	-	-	-	883.0	45
Indian Bend Wash Lakes Phase I (PB63)	(254.1)	3,240.0	-	-	-	-	3,240.0	45
Scottsdale Stadium Infrastructure Improvements (PB57)	(302.1)	1,326.8	202.2	202.2	202.2	202.2	2,135.6	45
Sports Lighting Expansion & Upgrade (PB59)	(4,632.4)	4,671.7	-	-	-	-	4,671.7	45

*Recurring Capital Maintenance Projects.

Adaptive Recreation Building Remodel - (PB67)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$616.2)
Location: City of Scottsdale Parks and Recreation Adaptive Recreation Services Community Center
Project Type: Construction Related
Description: Construction of a kitchen classroom which will be used to teach individuals with disabilities daily living skills fostering independence through workshops.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	265.0	-	-	-	-	265.0
Grants	376.0	-	-	-	-	376.0
Total:	641.0	-	-	-	-	641.0

Civic Center Mall Renovations - (DC01)

Est. Completion: 09/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0
Location: Civic Center Mall
Project Type: Construction Related

Description:

The Civic Center Mall Renovation project will provide master planning and conceptual design services to update this city facility. The goal is to create a more desirable and useful center for community activities including an "event ready" venue which will allow the destination to be competitive in attracting large scale tourism events. The project will also identify necessary repairs to the infrastructure of the facility.



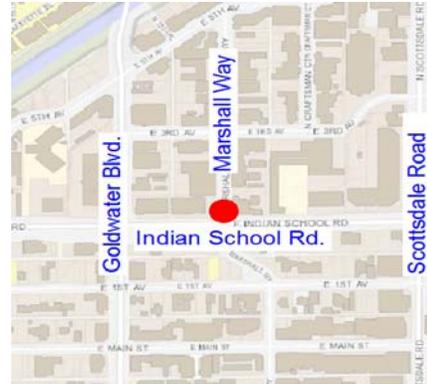
Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	150.0	-	-	-	-	150.0
Tourism Development Funds	150.0	-	-	-	-	150.0
Total:	300.0	-	-	-	-	300.0

Marshall Way Entry Feature - (DB57)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$143.2)

Location: Marshall Way and Indian School Road

Project Type: Construction Related



Description: Construction of a public art project in the general vicinity of Marshall Way and Indian School Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	7.0	-	-	-	-	7.0
Tourism Development Funds	150.0	-	-	-	-	150.0
Total:	157.0	-	-	-	-	157.0

Paiute Park Playground and Rehabilitation - (PB70)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Paiute Park, 3210 North 66th Street

Project Type: Construction Related

Description: Americans with Disabilities Act (ADA) Improvements to the Paiute Park playground.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	24.0	-	-	-	-	24.0
CDBG	83.0	-	-	-	-	83.0
Total:	107.0	-	-	-	-	107.0

Papago Park Playground Rehabilitation - (PB69)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Papago Rotary Park, 7613 East Garfield Street

Project Type: Construction Related

Description: Americans with Disabilities Act (ADA) Improvements to the Papago Rotary Park playground.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	26.0	-	-	-	-	26.0
CDBG	90.0	-	-	-	-	90.0
Total:	116.0	-	-	-	-	116.0

Scottsdale Road Preservation Streetscape Enhancement - (DB50)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$23,924.6)

Location: Along Scottsdale Road from the southern to the northern city limits.

Project Type: Construction Related

Description: Acquire, preserve and restore desert lands along Scottsdale Road, and promote its designation as a Scenic Corridor. Enhance Scottsdale Road's streetscape image along its entire length to reflect its significance as the signature roadway of the community. This project may include the modification, restoration, and/or improvement of landscaping, street hardware, street signs, overhead power lines, walkways, trails, transit facilities and public art along Scottsdale Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	31.1	-	-	-	-	31.1
Bond 2000	26,843.4	-	-	-	-	26,843.4
Grants	96.5	-	-	-	-	96.5
Transportation 0.2% Sales Tax	280.2	-	-	-	-	280.2
Total:	27,251.2	-	-	-	-	27,251.2

Scottsdale's Museum of the West - (DB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$13,530.0)

Location: Second Street and Marshall Way

Project Type: Construction Related

Description: Construction of a 40,000 square foot museum and sculpture garden. Scottsdale's Museum of the West will provide a unique visitor experience of western United States art and culture from 1820 to 1920 in downtown Scottsdale. The museum and adjoining sculpture garden will provide storytelling opportunities reinforced by related southwestern artwork and artifacts. It will be a cultural destination for residents and visitors.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	13,200.0	-	-	-	-	13,200.0
Tourism Development Funds	400.0	-	-	-	-	400.0
Total:	13,600.0	-	-	-	-	13,600.0

SkySong - ASU Scottsdale Center for Innovation - (DB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$38,121.2)

Location: Southeast corner of Scottsdale Road and McDowell Road

Project Type: Construction Related

Description: The City of Scottsdale and the Arizona State University Foundation (ASUF) have entered into a lease agreement for the majority of a 42-acre parcel located at the southeast corner of McDowell and Scottsdale Roads. The lease provides ASUF with the opportunity to develop approximately 1.2 million square feet of office, research, and retail on 37 acres of the site. In return the city will provide infrastructure to support site development as described in the lease. This project represents the city's lease responsibilities.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	38,173.0	-	-	-	-	38,173.0
Total:	38,173.0	-	-	-	-	38,173.0

Tony Nelssen Equestrian Center Expansion - (DB54)**Est. Completion:** 12/15 **Est. ITD Expenditures (Thru 06/15):** (\$46,105.1)**Location:** WestWorld**Project Type:** Construction Related**Description:** Design and construct an expansion of the Tony Nelssen Equestrian Center to a final configuration of approximately 300,000 square feet of climate-controlled enclosed space. The facility will house the existing arena with additional areas to accommodate multiple uses, including arenas or temporary stalls for equestrian use, space to accommodate the Barrett-Jackson Auto Auction and the potential to support other public entertainment events.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	494.9	-	-	-	-	494.9
MPC Bonds	42,060.1	-	-	-	-	42,060.1
Tourism Development Funds	4,065.0	-	-	-	-	4,065.0
Total:	46,620.0	-	-	-	-	46,620.0

TPC Clubhouse and Stadium Course Renovations - (PB56)**Est. Completion:** 06/15 **Est. ITD Expenditures (Thru 06/15):** (\$13,906.5)**Location:** Tournament Players Club (TPC) of Scottsdale**Project Type:** Construction Related**Description:** Renovations to the clubhouse and stadium course that include expansion of the men's locker rooms, the current patio and meeting room areas, resurfacing the greens, irrigation system improvements and lake bank repair.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	13,740.0	-	-	-	-	13,740.0
Tourism Development Funds	315.0	-	-	-	-	315.0
Total:	14,055.0	-	-	-	-	14,055.0

WestWorld - 94th Street Improvements - (DB61)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** WestWorld**Project Type:** Construction Related**Description:** Construction of street lights, curb and gutter, and sidewalk along the east side of 94th Street from WestWorld to Bahia Drive.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	339.6	-	-	-	-	339.6
Total:	339.6	-	-	-	-	339.6

WestWorld Events Paving & Show Office Improvements - (DB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,298.5)

Location: WestWorld

Project Type: Construction Related

Description: Project will reconfigure parking lots, lighting and electrical distribution systems adjacent to the Tony Nelssen Equestrian Center to facilitate different types of event set-ups for future users of the facility. This will include the installation of landscaping and drainage systems related to these improvements and construction of a show office/restroom facility adjacent to the Equestrian Center.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	4,300.0	-	-	-	-	4,300.0
Total:	4,300.0	-	-	-	-	4,300.0

WestWorld North Hall Improvements - (DB62)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: WestWorld

Project Type: Construction Related

Description: Construction and installation of sound absorption material in the North Hall building of the WestWorld facility.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	289.6	-	-	-	-	289.6
Total:	289.6	-	-	-	-	289.6

WestWorld Site Improvements - (DB60)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: WestWorld

Project Type: Construction Related

Description: Construction of site improvements and landscaping.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	239.6	-	-	-	-	239.6
Total:	239.6	-	-	-	-	239.6

Ballfield Lighting System Replacement Phase I - (PB68)**Est. Completion:** 03/16 **Est. ITD Expenditures (Thru 06/15):** (\$874.3)**Location:** Citywide**Project Type:** Construction Related**Description:** This project is to replace existing ballfield lighting systems with new state-of-the-art technology lighting systems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	883.0	-	-	-	-	883.0
Total:	883.0	-	-	-	-	883.0

Indian Bend Wash Lakes Phase I - (PB63)**Est. Completion:** 03/16 **Est. ITD Expenditures (Thru 06/15):** (\$254.1)**Location:** Hayden Road and Indian School Road**Project Type:** Construction Related**Description:** Renovation of the Indian Bend Wash Lake at Indian School Park. The primary function of this lake is for watering the turf areas of the parks as well as providing recreational opportunities and wildlife habitats. The project will repair erosion damage, prevent water loss and enhance safety.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	3,240.0	-	-	-	-	3,240.0
Total:	3,240.0	-	-	-	-	3,240.0

Scottsdale Stadium Infrastructure Improvements - (PB57)**Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** (\$302.1)**Location:** Scottsdale Stadium**Project Type:** Construction Related**Description:** Lifecycle maintenance and replacement of aging building components in the Stadium.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	30.0	-	-	-	-	30.0
Stadium Improvement IGA	1,296.8	202.2	202.2	202.2	202.2	2,105.6
Total:	1,326.8	202.2	202.2	202.2	202.2	2,135.6

Sports Lighting Expansion & Upgrade - (PB59)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,632.4)**Location:** Citywide locations at existing parks, recreation facilities and schools**Project Type:** Construction Related**Description:** This project includes the replacement, upgrading or expansion of field lighting poles, fixtures, lamps and electrical service at various recreation facilities throughout the city.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	859.7	-	-	-	-	859.7
Bond 2000	3,612.0	-	-	-	-	3,612.0
Grants	200.0	-	-	-	-	200.0
Total:	4,671.7	-	-	-	-	4,671.7



FY 2015/16 Adopted Budget



Upper Camelback Wash Drainage Improvements

Project Descriptions

(In thousands of dollars)

Drainage / Flood Control

Drainage/Flood Control focuses on protecting a diverse, family-oriented community where neighborhoods are safe and well maintained by preventing property damage from flooding. This program achieves these goals through flood plain mapping, meeting regulatory requirements, and identifying and correcting hazards to reduce future flood damage potential. This is accomplished through the use of detention basins, culvert and channel projects, and a program of neighborhood drainage improvements. Approximately 3.5 percent (\$17.1 million) of the CIP has been identified to address the drainage and flood control needs of the city.

Project	Estimated	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
	Expenditures Thru 06/30/15	Adopted	Forecast	Forecast	Forecast	Forecast		
Drainage / Flood Control								
Drainage / Flood Control								
3rd Avenue and North Craftsman Court Drainage (FB56)	-	60.0	-	-	-	-	60.0	48
8525 East Pinnacle Peak Road Drainage (FB58)	(17.1)	61.0	-	-	-	-	61.0	48
Granite Reef Watershed (FB50)	(1,831.6)	14,888.9	5,046.4	1,248.0	1,712.0	28,160.4	51,055.7	48
Loop 101 Detention Basin (FB53)	(1,799.6)	2,473.3	-	-	-	-	2,473.3	49
* Neighborhood Stormwater Management Improvements (YB67)	(158.6)	115.0	-	-	-	-	115.0	49
* Neighborhood Stormwater Management Improvements (YC05)	-	75.0	75.0	75.0	75.0	75.0	375.0	49
Paradise Drive Storm Drain (FB57)	(23.2)	413.0	-	-	-	-	413.0	50
Princess Drive Drainage Project (FC01)	-	1,100.0	-	-	-	325.0	1,425.0	50
Reata Wash Flood Control (FB55)	(1,089.5)	1,256.0	-	-	-	-	1,256.0	50
Upper Camelback Wash Watershed (FB51)	(16,807.1)	17,710.0	-	-	-	-	17,710.0	51

*Recurring Capital Maintenance Projects.

3rd Avenue and North Craftsman Court Drainage - (FB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: 3rd Avenue west of Scottsdale Road

Project Type: Construction Related

Description: Construction on drainage improvement project along 3rd Avenue west of Scottsdale Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Flood Control District IGA	32.0	-	-	-	-	32.0
Stormwater In-Lieu Fees	28.0	-	-	-	-	28.0
Total:	60.0	-	-	-	-	60.0

8525 East Pinnacle Peak Road Drainage - (FB58)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$17.1)

Location: 8525 East Pinnacle Peak Road

Project Type: Construction Related

Description: Construction of drainage improvement project in front of 8525 East Pinnacle Peak Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Flood Control District IGA	27.0	-	-	-	-	27.0
Stormwater In-Lieu Fees	34.0	-	-	-	-	34.0
Total:	61.0	-	-	-	-	61.0

Granite Reef Watershed - (FB50)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$1,831.6)

Location: Chaparral Road to the Salt River, Granite Reef Road to Pima Road

Project Type: Construction Related

Description:

Provide 100-year flood protection and eliminate the existing Federal Emergency Management Agency (FEMA) AE zone designation (area subject to inundation by the 1 percent annual chance flood event) which carries a need for mandatory flood insurance for the structures in the Granite Reef Wash corridor between Thomas Road and McKellips Road. This major project will likely be constructed in two phases. Phase 1 is from Jackrabbit Road to Indian School Road. Phase 2 is from south of Indian School Road to the Salt River.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	7,000.1	-	-	-	-	7,000.1
Bond 2000	5,301.8	-	-	-	-	5,301.8
Flood Control District IGA	7.0	3,154.0	780.0	1,070.0	18,689.4	23,700.4
Salt River Pima Maricopa Indian Community IGA	2,580.0	1,892.4	468.0	642.0	9,471.0	15,053.4
Total:	14,888.9	5,046.4	1,248.0	1,712.0	28,160.4	51,055.7

Loop 101 Detention Basin - (FB53)

Est. Completion: 12/18 **Est. ITD Expenditures (Thru 06/15):** (\$1,799.6)

Location: North of Loop 101 and west of Pima Road

Project Type: Construction Related

Description: Construct a stormwater detention basin on a 52-acre site north of the Loop 101 Freeway, west of Pima Road and south of the Water Campus to protect lands south of the freeway from the 100-year flood. Design and construction of a detention basin will provide short-term storage of stormwater originating from areas north and east of the site and allow for a non-damaging release of the flows to the Bureau of Reclamation basin at the Tournament Players Club (TPC).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	1,423.3	-	-	-	-	1,423.3
Contributions	593.1	-	-	-	-	593.1
Flood Control District IGA	456.9	-	-	-	-	456.9
Total:	2,473.3	-	-	-	-	2,473.3

*** Neighborhood Stormwater Management Improvements - (YC05)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Provide miscellaneous as-needed drainage improvements throughout the city that address localized drainage and flooding problems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Stormwater In-Lieu Fees	75.0	75.0	75.0	75.0	75.0	375.0
Total:	75.0	75.0	75.0	75.0	75.0	375.0

*** Neighborhood Stormwater Management Improvements - (YB67)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$158.6)

Location: Citywide

Project Type: Construction Related

Description: Provide miscellaneous as-needed drainage improvements throughout the city that address localized drainage and flooding problems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Stormwater In-Lieu Fees	115.0	-	-	-	-	115.0
Total:	115.0	-	-	-	-	115.0

Paradise Drive Storm Drain - (FB57)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$23.2)

Location: 6701 East Paradise Drive

Project Type: Construction Related

Description: Construction of drainage improvement project on Paradise Drive from 67th Street to 68th Street.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Flood Control District IGA	230.0	-	-	-	-	230.0
Stormwater In-Lieu Fees	183.0	-	-	-	-	183.0
Total:	413.0	-	-	-	-	413.0

Princess Drive Drainage Project - (FC01)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Princess Drive east of Scottsdale Road

Project Type: Construction Related

Description: Analyze the drainage that is conveyed through the existing box culvert under Princess Drive east of Scottsdale Road. Design and construct modifications to enhance the flow under Princess Drive to reduce sedimentation within the structure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	1,100.0	-	-	-	325.0	1,425.0
Total:	1,100.0	-	-	-	325.0	1,425.0

Reata Wash Flood Control - (FB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,089.5)

Location: Reata Wash

Project Type: Construction Related

Description: Reduction and removal of the potential flood hazard that affects the area north of the Central Arizona Project canal known as the Reata Wash alluvial fan.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	1,256.0	-	-	-	-	1,256.0
Total:	1,256.0	-	-	-	-	1,256.0

Upper Camelback Wash Watershed - (FB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$16,807.1)

Location: Bounded by Sweetwater Avenue on the north; 96th Place on the east; Shea Boulevard on the south and 90th Street on the west.

Project Type: Construction Related

Description: This project consists of drainage channel improvements and construction of new storm drains and several detention basins. It is being constructed in two phases: Phase 1 is south of Cactus Road and Phase 2 is north of Cactus Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	210.0	-	-	-	-	210.0
Bond 2000	6,952.2	-	-	-	-	6,952.2
Contributions	10,090.6	-	-	-	-	10,090.6
Flood Control District IGA	457.2	-	-	-	-	457.2
Total:	17,710.0	-	-	-	-	17,710.0



FY 2015/16 Adopted Budget

FRAESFIELD TRAILHEAD
SCOTTSDALE MCDOWELL SONORAN PRESERVE



Project Descriptions

(In thousands of dollars)

Preservation

Preservation focuses on preserving the character and environment of Scottsdale. This goal is met by land acquisition activities for the McDowell Sonoran Preserve for the purpose of maintaining scenic views, preserving native plants and wildlife, and providing public access to the McDowell Mountains and Sonoran Desert. The 1998 election expanded the recommended study boundary from the original 12,876 acres to 36,400 acres. The 2004 election provided an additional revenue stream (0.15 percent sales tax rate increase) as well as the bonding capacity (\$500.0 million) that continues to provide authority to carry on preservation efforts. Approximately 36.0 percent (\$176.7 million) of the CIP has been identified to address this program.

Project	Estimated Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast	Total	Page #
Preservation								
Preservation/Preservation Improvements								
Central Area Trail Construction (DB52)	(406.4)	872.5	-	-	-	-	872.5	54
Expanded McDowell Sonoran Preserve (PB66)	(176.2)	168,267.0	-	-	-	-	168,267.0	54
North Area Access Control & Stabilization (PB54)	(1,408.3)	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0	54
North Area Trail Construction (PB50)	(1,456.6)	2,700.0	100.0	100.0	100.0	-	3,000.0	55
Pima/Dynamite Trailhead (PB65)	-	3,500.0	500.0	-	-	-	4,000.0	55
Preserve Trail, Habitat & Safety Improvements (PB52)	(60.8)	157.0	30.0	30.0	30.0	-	247.0	55
South Area Access Control (PB61)	(611.0)	1,050.0	150.0	150.0	150.0	-	1,500.0	56
South Area Trail Construction (PB51)	(410.4)	990.0	-	-	-	-	990.0	56

*Recurring Capital Maintenance Projects.

Central Area Trail Construction - (DB52)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$406.4)

Location: Various planned trail locations in the central area of the McDowell Sonoran Preserve

Project Type: Construction Related

Description: This project involves the construction of various multiuse trails in the central preserve (approximately 10 miles of trails). These multiuse trails are identified in the Conceptual Trails Plan for the Preserve prepared by the McDowell Sonoran Preserve Commission.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	872.5	-	-	-	-	872.5
Total:	872.5	-	-	-	-	872.5

Expanded McDowell Sonoran Preserve - (PB66)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$176.2)

Location: McDowell Mountain Preserve

Project Type: Construction Related

Description: Purchase Preserve land within the 36,400 acre planned Preserve boundary, as approved by the voters in May 1995 and November 1998.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
G.O. Preserve Bonds	167,967.0	-	-	-	-	167,967.0
Preserve Sales Tax 2004 (0.15)	300.0	-	-	-	-	300.0
Total:	168,267.0	-	-	-	-	168,267.0

North Area Access Control & Stabilization - (PB54)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$1,408.3)

Location: In vicinity of Pima Freeway, 136th Street, Dynamite Boulevard and Stagecoach Road

Project Type: Construction Related

Description: This project entails the stabilization and improvement of several existing, informal trail access points in the northern region of the McDowell Sonoran Preserve. The Fraesfield Mountain Trailhead is located north of Dynamite Boulevard, between 128th and 136th Streets, and the Granite Mountain Trailhead is located in the vicinity of Lone Mountain Road and 136th Street. These trailheads are located on property acquired from the Arizona State Land Department. The project will include stabilization of entry roads, and the installation of gates, fencing, signage, self-contained restrooms, trash cans, parking areas and other trailhead amenities.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0
Total:	3,400.0	2,500.0	3,000.0	2,000.0	-	10,900.0

North Area Trail Construction - (PB50)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$1,456.6)

Location: Granite Mountain area north of Dynamite Boulevard west of 136th Street

Project Type: Construction Related

Description: This project involves the eradication of unwanted trails and restoration of the area where these unwanted trails were located. Approximately two-thirds of the existing trails in the area will be eliminated and the land restored through this project. Improve the remaining one-third of the existing trails, which are included in the Conceptual Trails Plan for the Preserve to city standard.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	2,700.0	100.0	100.0	100.0	-	3,000.0
Total:	2,700.0	100.0	100.0	100.0	-	3,000.0

Pima/Dynamite Trailhead - (PB65)

Est. Completion: 12/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Northeast of Pima Road and Dynamite Boulevard

Project Type: Construction Related

Description: This project is for the construction of amenities including access road, parking, shade ramadas, restrooms, small amphitheater, interpretative materials, mountain climbing staging area, equestrian amenities, storage and other infrastructure improvements to serve passive recreational users at a major north community access area in the McDowell Sonoran Preserve. This access area will serve as a staging area for exploration of the Preserve through connection to the existing and planned citywide trail system both in and outside of the Preserve.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	3,500.0	500.0	-	-	-	4,000.0
Total:	3,500.0	500.0	-	-	-	4,000.0

Preserve Trail, Habitat & Safety Improvements - (PB52)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$60.8)

Location: McDowell Sonoran Preserve

Project Type: Construction Related

Description: Reconstruct segments of trails within the McDowell Sonoran Preserve. Many of these trails were built 5 to 6 years ago, in areas of rugged terrain. Accordingly, some of these trail segments require reconstruction, beyond the scope of routine maintenance. Improvements may involve, but not be limited to trail construction, trail signage and various safety enhancements to old mining areas/shafts to remove or mitigate hazard conditions.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	5.7	-	-	-	-	5.7
Preserve Sales Tax 2004 (0.15)	151.3	30.0	30.0	30.0	-	241.3
Total:	157.0	30.0	30.0	30.0	-	247.0

South Area Access Control - (PB61)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$611.0)

Location: Preserve areas generally South of the Deer Valley alignment

Project Type: Construction Related

Description: This project entails the stabilization and improvement of various existing Trailheads in the southern region of the McDowell Sonoran Preserve and the future expansion of the Gateway and Lost Dog Wash Trailhead parking lots. The Ringtail Trailhead is located north of Cactus Road, along the western edge of 128th Street, and the 104th Street/Bell Road Trailhead is located immediately north of Bell Road at the 104th Street alignment. Both of these trailheads are existing facilities with gravel or dirt parking surfaces and limited improvements. The project will assess current use and as appropriate provide a durable parking surface that reduces maintenance costs, eliminates particulate air pollution caused by dust, improves compliance with clean air regulations, and better facilitates storm water management on the site. Additionally, transitions to adjacent roadways will be assessed and may include revision of alignments, installation of gate(s), fencing, signage, trash cans, and other trailhead amenities. The Gateway and Lost Dog Wash expansions will consider increasing usage at the trailheads and per previously developed concept plans, provide up to 200 additional parking stalls for each of the Trailheads.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	1,050.0	150.0	150.0	150.0	-	1,500.0
Total:	1,050.0	150.0	150.0	150.0	-	1,500.0

South Area Trail Construction - (PB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$410.4)

Location: A north-south corridor in the interior of the McDowell Mountains portion of the McDowell Sonoran Preserve

Project Type: Construction Related

Description: This project involves the construction of a remote, interior, secondary, multiuse trail connecting existing trails in the south part of the Preserve to existing trails in the north side of the Preserve along a north-south corridor. This multiuse trail is identified in the Conceptual Trails Plan for the Preserve prepared by the McDowell Sonoran Preserve Commission.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Preserve Sales Tax 2004 (0.15)	990.0	-	-	-	-	990.0
Total:	990.0	-	-	-	-	990.0



SCOTTSDALE
FIRE STATION 1
1901

SCOTTSDALE
FIRE STATION 1
1901

Project Descriptions

(In thousands of dollars)

Public Safety

Public Safety programs focus on enhancing and protecting a diverse, family-oriented community where neighborhoods are safe. This goal is met by providing fire and police stations, training facilities and automation systems related to fire and police operations. Approximately 0.9 percent (\$4.3 million) of the CIP has been identified to address the public safety needs of the city.

Project	Estimated Expenditures					Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
Public Safety							
Fire Protection							
Desert Foothills Fire Station 13 (BB50)	(2,105.0)	2,275.0	-	-	-	-	2,275.0 58
Fire Radio Replacement (JB58)	(1,103.4)	1,208.6	-	-	-	-	1,208.6 58
Public Safety Radio Network Lifecycle Project (TEMP1485)	-	-	1,299.8	151.8	151.8	-	1,603.4 58
Relocate and Build FS613 (BB52)	(449.7)	723.6	-	-	-	-	723.6 59
Police							
3D Laser Scanner (JB52)	(86.6)	97.0	-	-	-	-	97.0 60
9-1-1 Communication Equipment Replacement (JB51)	(1,027.9)	1,128.3	-	-	-	-	1,128.3 60
9-1-1 Voice Logging Recorder Replacement (MB60)	(209.8)	240.7	-	-	-	-	240.7 60
Additional Servers for Digital Evidence and Forensic Recovery (JB63)	(138.1)	170.1	-	-	-	-	170.1 60
Advanced Authentication via HID Cards (JB54)	(44.5)	52.3	-	-	-	-	52.3 61
Advanced Mobile Solutions (JB61)	-	105.8	-	-	-	-	105.8 61
Cameras & Communication Equipment for Special Events and Surveillance Investigations (JB60)	(89.2)	152.6	-	-	-	-	152.6 61
* Crime Laboratory Equipment Replacement (YB56)	(119.8)	127.2	-	-	-	-	127.2 62
* Crime Laboratory Equipment Replacement (YB65)	(210.5)	229.0	-	-	-	-	229.0 62
* Crime Laboratory Equipment Replacement (YC03)	-	141.7	234.4	239.8	332.5	245.6	1,194.0 62
District 2 Jail IP Video Monitoring System (JB57)	(203.3)	217.5	-	-	-	-	217.5 63
Lab Information Management System (LIMS) Integration (MB62)	-	112.1	-	-	-	-	112.1 63
MetaMorpho to BIS (JB53)	(62.1)	81.8	-	-	-	-	81.8 63
Police – Records Management and CAD System Replacement (MB50)	(4,523.7)	4,525.0	-	-	-	-	4,525.0 64
Police Advanced Mobile Upgrades (MB55)	(773.7)	773.8	-	-	-	-	773.8 64
* Police Portable & Vehicle Radio Replacement (YC06)	-	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4 64
* Police Portable and Vehicle Radio Replacement (YB68)	(719.3)	821.8	-	-	-	-	821.8 65
Policy & Standards Management Software (MB63)	-	47.9	-	-	-	-	47.9 65
Public Safety Radio System-Phase I (MB52)	(20,891.7)	22,049.9	-	-	-	-	22,049.9 65
Records Management System & Computer Aided Dispatch Enhancements and Refresh (JB62)	-	95.9	299.8	-	-	-	395.7 66

*Recurring Capital Maintenance Projects.

Desert Foothills Fire Station 13 - (BB50)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2,105.0)**Location:** Area of Scottsdale Road and Jomax Road**Project Type:** Construction Related**Description:** Purchase land for fire stations 13 and 16 that will serve as an enhancement of the services provided in the northern areas of the city. The future fire station 13 will allow for additional emergency units to be located in, and protect a large geographic area of the city as well as replace the existing temporary station on Pima Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	1,875.0	-	-	-	-	1,875.0
Bond 2000	400.0	-	-	-	-	400.0
Total:	2,275.0	-	-	-	-	2,275.0

Fire Radio Replacement - (JB58)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,103.4)**Location:** Citywide**Project Type:** Technology Related**Description:** Replacement of 172 mobile and portable radios. These radios provide coverage and interoperability for public safety operations, including Fire Automatic Aid.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	1,208.6	-	-	-	-	1,208.6
Total:	1,208.6	-	-	-	-	1,208.6

Public Safety Radio Network Lifecycle Project - (TEMP1485)**Est. Completion:** 08/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related**Description:** This project fulfills a federal mandate to shift to narrowband frequencies and also pays for lifecycle costs on the valley-wide regional radio system. These funds provide for Scottsdale's portion of the upgrade.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	-	1,299.8	151.8	151.8	-	1,603.4
Total:	-	1,299.8	151.8	151.8	-	1,603.4

Relocate and Build FS613 - (BB52)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$449.7)

Location: Hayden Road and Jomax Road, southeast corner

Project Type: Construction Related

Description:

Design a 9,000 square foot fire station to include crew quarters and facilities, office space, Occupational Safety and Health Administration (OSHA) certified decontamination area, safety gear storage and triple apparatus bay. This fire station will serve the Desert Foothills area.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	378.1	-	-	-	-	378.1
Bond 2000	345.5	-	-	-	-	345.5
Total:	723.6	-	-	-	-	723.6

*Recurring Capital Maintenance Projects.

3D Laser Scanner - (JB52)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$86.6)**Location:** Citywide**Project Type:** Technology Related**Description:** A three-dimensional (3D) laser scanner used to display detailed measurements of objects at a crime scene.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	8.0	-	-	-	-	8.0
RICO	89.0	-	-	-	-	89.0
Total:	97.0	-	-	-	-	97.0

9-1-1 Communication Equipment Replacement - (JB51)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,027.9)**Location:** Citywide**Project Type:** Technology Related**Description:** Purchase and install new 9-1-1 radio dispatch equipment.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	93.2	-	-	-	-	93.2
RICO	1,035.1	-	-	-	-	1,035.1
Total:	1,128.3	-	-	-	-	1,128.3

9-1-1 Voice Logging Recorder Replacement - (MB60)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$209.8)**Location:** Citywide**Project Type:** Technology Related**Description:** Replacement of the 9-1-1 voice logging recorder so that the Police Department can maintain the expected level of service to the public and provide continuous recording of voice communications and police activity.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	3.4	-	-	-	-	3.4
RICO	237.3	-	-	-	-	237.3
Total:	240.7	-	-	-	-	240.7

Additional Servers for Digital Evidence and Forensic Recovery - (JB63)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$138.1)**Location:** Citywide**Project Type:** Technology Related**Description:** Purchase a Computer Crimes Unit server and four forensic recovery of evidence work stations.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	14.1	-	-	-	-	14.1
RICO	156.0	-	-	-	-	156.0
Total:	170.1	-	-	-	-	170.1

Advanced Authentication via HID Cards - (JB54)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$44.5)**Location:** Citywide**Project Type:** Technology Related

Description: The Federal Bureau of Investigation (FBI) and Arizona Department of Public Safety (DPS) are mandating improved advanced authentication requirements. Every mobile laptop will require a secondary sign-on to access law enforcement sensitive files. Five hundred Human Interface Device (HID) cards will be purchased and will act as an advanced authentication device as well as a key card access to secured buildings.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	4.3	-	-	-	-	4.3
RICO	48.0	-	-	-	-	48.0
Total:	52.3	-	-	-	-	52.3

Advanced Mobile Solutions - (JB61)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related

Description: Purchase of Advanced Mobile Solutions including Citrix & NetMotion expansion, related licensing, new Advanced Authentication requirements and mobile computing solutions.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	8.8	-	-	-	-	8.8
RICO	97.0	-	-	-	-	97.0
Total:	105.8	-	-	-	-	105.8

Cameras & Communication Equipment for Special Events and Surveillance Investigations - (JB60)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$89.2)**Location:** Citywide**Project Type:** Technology Related

Description: Purchase of wireless special event security camera system. The security camera equipment will be used for temporary deployment at major special events. The equipment will aid the Scottsdale Police Department with the overall management, safety and security of events that attract large numbers of people to Scottsdale. Real-time video will be transmitted to the local event command post as well as the city and Police Department Emergency Operations Centers.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	12.6	-	-	-	-	12.6
RICO	140.0	-	-	-	-	140.0
Total:	152.6	-	-	-	-	152.6

*** Crime Laboratory Equipment Replacement - (YC03)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Police - District 1**Project Type:** Technology Related

Description: Replace aging and obsolete crime laboratory equipment and instrumentation that has reached or exceeded its manufacturer's life expectancy. Past history has shown that this equipment and instrumentation has a useful life expectancy of between 5 to 8 years before it starts to incur significant maintenance issues and its technology becomes outdated. Using outdated technology becomes a reliability issue when presenting examination results in court. With newer technology, examination time can be reduced and forensic examination results can become available more quickly to the officer and the courts.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	91.7	210.4	219.8	312.5	225.6	1,060.0
Crime Lab Assessment	5.0	4.0	-	-	-	9.0
Forensic Science IGAs	45.0	20.0	20.0	20.0	20.0	125.0
Total:	141.7	234.4	239.8	332.5	245.6	1,194.0

*** Crime Laboratory Equipment Replacement - (YB65)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** (\$210.5)**Location:** Police - District 1**Project Type:** Technology Related

Description: Replace aging and obsolete crime laboratory equipment and instrumentation that has reached or exceeded its manufacturer's life expectancy. Past history has shown that this equipment and instrumentation has a useful life expectancy of between 5 to 8 years before it starts to incur significant maintenance issues and its technology becomes outdated. Using outdated technology becomes a reliability issue when presenting examination results in court. With newer technology, examination time can be reduced and forensic examination results can become available more quickly to the officer and the courts.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	159.0	-	-	-	-	159.0
Crime Lab Assessment	20.0	-	-	-	-	20.0
Forensic Science IGAs	50.0	-	-	-	-	50.0
Total:	229.0	-	-	-	-	229.0

*** Crime Laboratory Equipment Replacement - (YB56)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** (\$119.8)**Location:** Police - District 1**Project Type:** Technology Related

Description: Replace aging and obsolete crime laboratory equipment and instrumentation that has reached or exceeded its manufacturer's life expectancy. Past history has shown that this equipment and instrumentation has a useful life expectancy of between 5 to 8 years before it starts to incur significant maintenance issues and its technology becomes outdated. Using outdated technology becomes a reliability issue when presenting examination results in court. With newer technology, examination time can be reduced and forensic examination results can become available more quickly to the officer and the courts.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	47.2	-	-	-	-	47.2
Forensic Science IGAs	80.0	-	-	-	-	80.0
Total:	127.2	-	-	-	-	127.2

District 2 Jail IP Video Monitoring System - (JB57)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$203.3)**Location:** Citywide**Project Type:** Technology Related**Description:** Replace jail video surveillance system.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	17.9	-	-	-	-	17.9
RICO	199.6	-	-	-	-	199.6
Total:	217.5	-	-	-	-	217.5

Lab Information Management System (LIMS) Integration - (MB62)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related

Description: Purchase programming and integration services from Intergraph and JusticeTrax that will allow the exchange of Intergraph/Law Enforcement Automated Database Systems (I/LEADS) property data with the JusticeTrax Lab Information Services (LIMS). Electronic transmission of the data between the two systems will automate the exchange of information, reduce administrative time by eliminating redundant data entry into LIMS, reduce the possibility of data entry errors and increase the timeliness of lab requests, processing and lab results posting back to the officer and into the I/LEADS incident. Efficient property handling and timely testing will expedite the prosecution and adjudication of criminal cases.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	9.3	-	-	-	-	9.3
RICO	102.8	-	-	-	-	102.8
Total:	112.1	-	-	-	-	112.1

MetaMorpho to BIS - (JB53)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$62.1)**Location:** Citywide**Project Type:** Technology Related

Description: Upgrade fingerprint technology that provides faster, more efficient arrest identification as well as more accuracy in crime scene latent print entries. The software is compatible with the State of Arizona's system.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	6.8	-	-	-	-	6.8
RICO	75.0	-	-	-	-	75.0
Total:	81.8	-	-	-	-	81.8

Police – Records Management and CAD System Replacement - (MB50)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,523.7)**Location:** Citywide**Project Type:** Technology Related**Description:** Procure, replace and enhance the Computer Aided Dispatch (CAD) and Records Management (RMS) Systems. The project also provides interfaces to other local, county, state and national systems and meets the requirements of mobile reporting, message switching, case management and data mining.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	4,525.0	-	-	-	-	4,525.0
Total:	4,525.0	-	-	-	-	4,525.0

Police Advanced Mobile Upgrades - (MB55)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$773.7)**Location:** Citywide**Project Type:** Technology Related**Description:** Provide the necessary tools and data to law enforcement who are working remotely. Access to these systems is essential to officers' critical decision making processes and enables a greater success in the reduction of crime. Procure and implement Citrix Server technology, purchase laptops for patrol sergeants and lieutenants, provide training for data sharing software, purchase docking stations, purchase E-Citation handheld devices, upgrade two factor authentication hardware, and implement desktop virtualization software. The officers in patrol cars will be able to prepare the majority of divisional reports from any location that has adequate wireless availability. These technologies will allow the officers to process transactions faster while conserving bandwidth.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	773.8	-	-	-	-	773.8
Total:	773.8	-	-	-	-	773.8

*** Police Portable & Vehicle Radio Replacement - (YC06)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related**Description:** Establish a replacement cycle for police portable and vehicle radios. Portable radios are on a 7-year replacement plan and vehicle radios are on a 10-year replacement plan.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4
Total:	456.7	100.8	1,144.5	1,144.5	991.9	3,838.4

*** Police Portable and Vehicle Radio Replacement - (YB68)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** (\$719.3)**Location:** Citywide**Project Type:** Technology Related**Description:** Establish a replacement cycle for police portable and vehicle radios. Portable radios are on a 7-year replacement plan and vehicle radios are on a 10-year replacement plan.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	821.8	-	-	-	-	821.8
Total:	821.8	-	-	-	-	821.8

Policy & Standards Management Software - (MB63)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related**Description:** Purchase new software that will allow the department to track policy and procedure changes and accreditation standards compliance.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	3.9	-	-	-	-	3.9
RICO	44.0	-	-	-	-	44.0
Total:	47.9	-	-	-	-	47.9

Public Safety Radio System-Phase I - (MB52)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$20,891.7)**Location:** Citywide**Project Type:** Technology Related**Description:** Purchase a new radio system that provides improved coverage, interoperability with other public safety agencies, and increased bandwidth to handle growth in radio voice traffic. This new radio system infrastructure will provide a replacement voice radio system for all city divisions using the Maricopa County radio network and accommodate the eventual migration of the Fire Department from Very High Frequency (VHF) radio channels to a trunked radio infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	4,151.1	-	-	-	-	4,151.1
Certificate of Participation	16,562.5	-	-	-	-	16,562.5
Contributions	542.8	-	-	-	-	542.8
Sanitation Rates	341.9	-	-	-	-	341.9
Sewer Rates	162.6	-	-	-	-	162.6
Water Rates	289.0	-	-	-	-	289.0
Total:	22,049.9	-	-	-	-	22,049.9

Records Management System & Computer Aided Dispatch Enhancements and Refresh - (JB62)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide.

Project Type: Technology Related

Description: These vendor specific feature enhancements will provide several improvements to the Computer Aided Dispatch system, Records Management System and Mobile for Public Safety systems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	7.9	24.8	-	-	-	32.7
RICO	88.0	275.0	-	-	-	363.0
Total:	95.9	299.8	-	-	-	395.7



Compressed Natural Gas (CNG) Pumps
at the North Corporation Yard

Project Descriptions

(In thousands of dollars)

Service Facilities

Service Facilities focus on coordinating land use and infrastructure planning within the context of financial demands and available resources. These programs achieve this goal through the renovation of current facilities and technology needs necessary for the efficient and effective operations of the city. Approximately 2.4 percent (\$12.1 million) of the CIP has been identified to address this program.

Project	Estimated Expenditures						Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast		
Service Facilities								
Municipal Facilities/Improvements								
Additional Compressed Natural Gas (CNG) Fuel Dispensers (BB51)	(328.8)	434.9	-	-	-	-	434.9	68
Additional CNG Station (BC01)	-	2,640.0	-	-	-	-	2,640.0	68
* Facilities Repair and Maintenance Program (YB64)	(1,360.2)	2,120.0	-	-	-	-	2,120.0	68
* Facilities Repair and Maintenance Program (YC01)	-	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3	69
North Corp Yard CNG Compliance (BB53)	-	400.0	-	-	-	-	400.0	69
Transfer Station Expansion (BB56)	(1,200.7)	1,800.0	-	-	-	-	1,800.0	69
Technology Improvements								
CIP Contingency (ZB50)	-	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0	44,000.0	70
CIP Contingency for Future Grants (ZB51)	-	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0	70
* CityCable Audio/Video Equipment Replacements (YB66)	(27.2)	40.9	-	-	-	-	40.9	70
* Citywide Audio/Video Equipment Replacement (YC04)	-	161.3	-	200.6	69.8	-	431.7	70
IT - Information Lifecycle Management (MB58)	-	210.0	-	-	-	-	210.0	71
* IT - Network Infrastructure (YB53)	(376.2)	417.1	-	-	-	-	417.1	72
* IT - Network Infrastructure (YB57)	(300.2)	320.0	-	-	-	-	320.0	71
* IT - Network Infrastructure (YB69)	(503.5)	447.0	-	-	-	-	447.0	72
* IT - Network Infrastructure (YC07)	-	370.0	367.0	381.5	419.7	441.5	1,979.7	73
* IT - Server Infrastructure (YB54)	(187.3)	208.9	-	-	-	-	208.9	74
* IT - Server Infrastructure (YB58)	(1,005.3)	1,024.4	-	-	-	-	1,024.4	75
* IT - Server Infrastructure (YB70)	-	901.5	-	-	-	-	901.5	74
* IT - Server Infrastructure (YC08)	-	668.2	598.9	376.5	1,848.6	1,091.1	4,583.3	73
IT - Telephone System Upgrade (MB56)	(540.1)	630.0	-	-	-	-	630.0	75
IT-Web Content Management SW (MB51)	(233.3)	298.4	-	-	-	-	298.4	75
Mobile Network Software (MB57)	(65.9)	346.4	-	-	-	-	346.4	76
Network Infrastructure Extension (MB54)	(727.7)	862.5	-	-	-	-	862.5	76
Online Bill Payment and Presentment System (JB65)	(11.7)	381.5	-	-	-	-	381.5	76
Payroll System Replacement (JB59)	(26.7)	700.1	199.7	-	-	-	899.8	77
Public Records and Litigation Document Review Software (JB50)	(214.7)	288.8	-	-	-	-	288.8	77
Solid Waste Vehicle Monitoring System (JB66)	(491.9)	822.5	-	-	-	-	822.5	78
Street Operations Work and Asset Management System (JB56)	(0.9)	168.1	-	-	-	-	168.1	78
Wide Area Network Fiber (MB53)	(168.4)	465.9	-	-	-	-	465.9	78

*Recurring Capital Maintenance Projects.

Additional Compressed Natural Gas (CNG) Fuel Dispensers - (BB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$328.8)

Location: North Corporate Yard

Project Type: Construction Related

Description: The City of Scottsdale's current slow fill compressed natural gas (CNG) fueling station located at the North Corporate Yard is being used at full capacity. The city plans to purchase additional replacement vehicles that run on CNG, requiring additional fuel hoses and nozzles. This project will add five additional posts and other related upgrades.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Fleet Rates	434.9	-	-	-	-	434.9
Total:	434.9	-	-	-	-	434.9

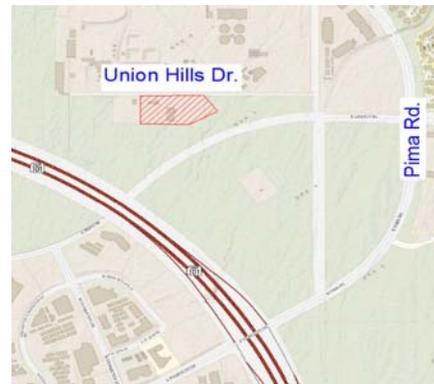
Additional CNG Station - (BC01)

Est. Completion: 12/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Solid Waste Transfer Station

Project Type: Construction Related

Description: The City of Scottsdale requires an additional Compressed Natural Gas (CNG) fueling station to support the growing number of CNG powered solid waste refuse trucks. Currently we have over 70 vehicles with CNG powered engines in the city's fleet. These vehicles are serviced by just one compression station located at the city's North Corporate Yard.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Fleet Rates	765.0	-	-	-	-	765.0
Sanitation Rates	1,875.0	-	-	-	-	1,875.0
Total:	2,640.0	-	-	-	-	2,640.0

*** Facilities Repair and Maintenance Program - (YB64)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$1,360.2)

Location: Citywide

Project Type: Construction Related

Description: Protection of the city's infrastructure through systematic and rational repair and maintenance to major municipal facilities including office buildings, recreation centers, libraries, sports field lighting, multi-use pathways and other buildings and facilities. The work involved is in the following areas: electrical, fencing and gates, heating, ventilation and air conditioning (HVAC), roofs and other major equipment items.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	2,120.0	-	-	-	-	2,120.0
Total:	2,120.0	-	-	-	-	2,120.0

*** Facilities Repair and Maintenance Program - (YC01)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Protection of the city's infrastructure through systematic and rational repair and maintenance to major municipal facilities including office buildings, recreation centers, libraries, sports field lighting, multi-use pathways and other buildings and facilities. The work involved is in the following areas: electrical, fencing and gates, heating, ventilation and air conditioning (HVAC), roofs and other major equipment items.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3
Total:	2,018.1	1,538.8	1,855.7	1,830.1	1,769.6	9,012.3

North Corp Yard CNG Compliance - (BB53)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: North Corporate Yard

Project Type: Construction Related

Description: The city's fleet shop will be brought into compliance to fire code for compressed natural gas (CNG) vehicles.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Fleet Rates	400.0	-	-	-	-	400.0
Total:	400.0	-	-	-	-	400.0

Transfer Station Expansion - (BB56)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$1,200.7)

Location: Solid Waste Transfer Station

Project Type: Construction Related

Description: Design and construct the second phase of the city's Transfer Station and install a new floor in existing building. The expansion will implement safety elements and extend the life of the facility.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sanitation Rates	1,800.0	-	-	-	-	1,800.0
Total:	1,800.0	-	-	-	-	1,800.0

CIP Contingency - (ZB50)

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Provides budgetary appropriation set aside for citywide emergencies or unforeseen expenditures not otherwise budgeted.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0	44,000.0
Total:	26,000.0	4,500.0	4,500.0	4,500.0	4,500.0	44,000.0

CIP Contingency for Future Grants - (ZB51)

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Provides budgetary appropriation set aside for citywide unforeseen grants not otherwise budgeted.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0
Total:	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	25,000.0

*** CityCable Audio/Video Equipment Replacements - (YB66)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$27.2)

Location: Citywide

Project Type: Technology Related

Description: The replacement, upgrade or refurbishment of the television broadcast equipment and audio/visual equipment in both the City Hall Kiva and the CityCable 11 studios when this equipment reaches the end of its expected lifespan or for specific needed improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	40.9	-	-	-	-	40.9
Total:	40.9	-	-	-	-	40.9

*** Citywide Audio/Video Equipment Replacement - (YC04)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Technology Related

Description: The replacement, upgrade or refurbishment of the television broadcast equipment and audio/visual equipment in both the City Hall Kiva and the CityCable 11 studios when this equipment reaches the end of its expected lifespan or for specific needed improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	161.3	-	200.6	69.8	-	431.7
Total:	161.3	-	200.6	69.8	-	431.7

IT - Information Lifecycle Management - (MB58)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Technology Related

Description: Move the city Police Department's electronic storage and corresponding servers to the Scottsdale Center for the Performing Arts (SCPA). The migration will provide a cost avoidance for the replacement of the Police digital evidence data storage environment that has reached end of life. Additionally, this migration will consolidate resources that will reduce the costs of providing business continuity for this environment as part of the Essential Services Restoration Plan currently being reviewed by an external consultant for IT.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	210.0	-	-	-	-	210.0
Total:	210.0	-	-	-	-	210.0

*** IT - Network Infrastructure - (YB57)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$300.2)

Location: Citywide

Project Type: Technology Related

Description: Planned systematic upgrade and ongoing replacement of the city's computer network infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	273.3	-	-	-	-	273.3
Aviation Funds	1.2	-	-	-	-	1.2
Fleet Rates	3.4	-	-	-	-	3.4
HURF	9.1	-	-	-	-	9.1
McCormick RailRoad Park	0.2	-	-	-	-	0.2
Sanitation Rates	2.5	-	-	-	-	2.5
Section 8	0.7	-	-	-	-	0.7
Self Insurance	0.7	-	-	-	-	0.7
Sewer Rates	3.9	-	-	-	-	3.9
Water Rates	25.0	-	-	-	-	25.0
Total:	320.0	-	-	-	-	320.0

*** IT - Network Infrastructure - (YB69)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$503.5)

Location: Citywide

Project Type: Technology Related

Description: Planned systematic upgrade and ongoing replacement of the city's computer network infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	381.8	-	-	-	-	381.8
Aviation Funds	1.7	-	-	-	-	1.7
Fleet Rates	4.7	-	-	-	-	4.7
HURF	12.8	-	-	-	-	12.8
McCormick RailRoad Park	0.3	-	-	-	-	0.3
Sanitation Rates	3.5	-	-	-	-	3.5
Section 8	0.9	-	-	-	-	0.9
Self Insurance	0.9	-	-	-	-	0.9
Sewer Rates	5.5	-	-	-	-	5.5
Water Rates	34.9	-	-	-	-	34.9
Total:	447.0	-	-	-	-	447.0

*** IT - Network Infrastructure - (YB53)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$376.2)

Location: Citywide

Project Type: Technology Related

Description: Planned systematic upgrade and ongoing replacement of the city's computer network infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	356.2	-	-	-	-	356.2
Aviation Funds	1.6	-	-	-	-	1.6
Fleet Rates	4.4	-	-	-	-	4.4
HURF	11.9	-	-	-	-	11.9
McCormick RailRoad Park	0.2	-	-	-	-	0.2
Sanitation Rates	3.3	-	-	-	-	3.3
Section 8	0.9	-	-	-	-	0.9
Self Insurance	0.9	-	-	-	-	0.9
Sewer Rates	5.1	-	-	-	-	5.1
Water Rates	32.6	-	-	-	-	32.6
Total:	417.1	-	-	-	-	417.1

*** IT - Network Infrastructure - (YC07)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related**Description:** Planned systematic upgrade and ongoing replacement of the city's computer network infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	308.6	306.2	318.2	350.1	368.2	1,651.3
Aviation Funds	1.6	1.5	1.6	1.8	1.9	8.4
Fleet Rates	4.3	4.2	4.4	4.8	5.1	22.8
Sanitation Rates	8.8	8.8	9.1	10.0	10.6	47.3
Section 8	0.5	0.5	0.5	0.6	0.6	2.7
Self Insurance	1.2	1.2	1.3	1.4	1.5	6.6
Sewer Rates	9.5	9.4	9.8	10.7	11.3	50.7
Transportation 0.2% Sales Tax	10.9	10.8	11.3	12.4	13.0	58.4
Water Rates	24.6	24.4	25.3	27.9	29.3	131.5
Total:	370.0	367.0	381.5	419.7	441.5	1,979.7

*** IT - Server Infrastructure - (YC08)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Technology Related**Description:** Planned systematic upgrade and ongoing replacement of the city's server infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	557.4	499.7	314.1	1,541.9	910.1	3,823.2
Aviation Funds	2.8	2.5	1.6	7.8	4.6	19.3
Fleet Rates	7.7	6.9	4.3	21.3	12.6	52.8
Sanitation Rates	16.0	14.3	9.0	44.2	26.1	109.6
Section 8	0.9	0.8	0.5	2.6	1.5	6.3
Self Insurance	2.3	2.0	1.3	6.2	3.7	15.5
Sewer Rates	17.1	15.3	9.6	47.3	27.9	117.2
Transportation 0.2% Sales Tax	19.7	17.7	11.1	54.6	32.2	135.3
Water Rates	44.3	39.7	25.0	122.7	72.4	304.1
Total:	668.2	598.9	376.5	1,848.6	1,091.1	4,583.3

*** IT - Server Infrastructure - (YB70)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Technology Related

Description: Planned systematic upgrade and ongoing replacement of the city's server infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	772.1	-	-	-	-	772.1
Aviation Funds	2.5	-	-	-	-	2.5
Fleet Rates	8.5	-	-	-	-	8.5
Sanitation Rates	6.7	-	-	-	-	6.7
Section 8	2.0	-	-	-	-	2.0
Self Insurance	2.5	-	-	-	-	2.5
Sewer Rates	10.7	-	-	-	-	10.7
Transportation 0.2% Sales Tax	25.0	-	-	-	-	25.0
Water Rates	71.5	-	-	-	-	71.5
Total:	901.5	-	-	-	-	901.5

*** IT - Server Infrastructure - (YB54)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$187.3)

Location: Citywide

Project Type: Technology Related

Description: Planned systematic upgrade and ongoing replacement of the city's server infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	178.5	-	-	-	-	178.5
Aviation Funds	0.8	-	-	-	-	0.8
Fleet Rates	2.2	-	-	-	-	2.2
HURF	6.0	-	-	-	-	6.0
McCormick RailRoad Park	0.1	-	-	-	-	0.1
Sanitation Rates	1.6	-	-	-	-	1.6
Section 8	0.4	-	-	-	-	0.4
Self Insurance	0.4	-	-	-	-	0.4
Sewer Rates	2.6	-	-	-	-	2.6
Water Rates	16.3	-	-	-	-	16.3
Total:	208.9	-	-	-	-	208.9

*** IT - Server Infrastructure - (YB58)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$1,005.3)

Location: Citywide

Project Type: Technology Related

Description: Planned and systematic upgrade and ongoing replacement of the city's server infrastructure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	874.9	-	-	-	-	874.9
Aviation Funds	3.9	-	-	-	-	3.9
Fleet Rates	10.8	-	-	-	-	10.8
HURF	29.3	-	-	-	-	29.3
McCormick RailRoad Park	0.6	-	-	-	-	0.6
Sanitation Rates	8.1	-	-	-	-	8.1
Section 8	2.1	-	-	-	-	2.1
Self Insurance	2.1	-	-	-	-	2.1
Sewer Rates	12.5	-	-	-	-	12.5
Water Rates	80.1	-	-	-	-	80.1
Total:	1,024.4	-	-	-	-	1,024.4

IT - Telephone System Upgrade - (MB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$540.1)

Location: Citywide

Project Type: Technology Related

Description: The Telephone System Upgrade will allow the city to continue to provide phone service to individuals on the city's main campuses by replacing the aging infrastructure. This item was originally included in the Telephone Infrastructure Replacement Fund.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	630.0	-	-	-	-	630.0
Total:	630.0	-	-	-	-	630.0

IT-Web Content Management SW - (MB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$233.3)

Location: Citywide

Project Type: Technology Related

Description: Implement an enterprise wide web content management system to improve the integrity and manageability of Internet and Intranet services through increased efficiency of the publishing process.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	298.4	-	-	-	-	298.4
Total:	298.4	-	-	-	-	298.4

Mobile Network Software - (MB57)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$65.9)

Location: Citywide

Project Type: Technology Related

Description: Implement an application which will provide incremental software updates, auditing control, license management and additional security for the mobile computing platform. The application coupled with required infrastructure will provide the capability to manage mobile computing assets from a central support location by integrating with wireless interfaces.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	208.8	-	-	-	-	208.8
Fleet Rates	2.0	-	-	-	-	2.0
Sanitation Rates	32.5	-	-	-	-	32.5
Sewer Rates	16.5	-	-	-	-	16.5
Transportation 0.2% Sales Tax	27.5	-	-	-	-	27.5
Water Rates	59.1	-	-	-	-	59.1
Total:	346.4	-	-	-	-	346.4

Network Infrastructure Extension - (MB54)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$727.7)

Location: Citywide

Project Type: Technology Related

Description: Extend the city "network backbone" in order to provide service for key city sites and projects. A combination of microwave radio links, fiber optic cable and high-speed telephone circuits will be used.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	862.5	-	-	-	-	862.5
Total:	862.5	-	-	-	-	862.5

Online Bill Payment and Presentment System - (JB65)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$11.7)

Location: Citywide

Project Type: Technology Related

Description: Implementation of a new and modern online payment and presentment platform to enable the collection of over one million water, sewer and solid waste payments annually.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sanitation Rates	126.5	-	-	-	-	126.5
Sewer Rates	126.5	-	-	-	-	126.5
Water Rates	128.5	-	-	-	-	128.5
Total:	381.5	-	-	-	-	381.5

Payroll System Replacement - (JB59)

Est. Completion: 01/17 **Est. ITD Expenditures (Thru 06/15):** (\$26.7)

Location: Citywide

Project Type: Technology Related

Description: Implement a fully integrated Payroll and Human Resources Information System to enable a cost-effective, citywide resource to reduce redundancy and human error, while increasing organizational efficiency.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	365.3	104.4	-	-	-	469.7
Aviation Funds	4.0	1.1	-	-	-	5.1
CDBG	1.2	0.3	-	-	-	1.5
Court Enhancement Funds	3.4	1.0	-	-	-	4.4
Fleet Rates	13.2	3.8	-	-	-	17.0
Forensic Science IGAs	0.4	0.1	-	-	-	0.5
McCormick RailRoad Park	3.6	1.0	-	-	-	4.6
RICO	193.2	55.1	-	-	-	248.3
Sanitation Rates	26.0	7.4	-	-	-	33.4
Section 8	2.2	0.6	-	-	-	2.8
Self Insurance	2.2	0.6	-	-	-	2.8
Sewer Rates	9.2	2.6	-	-	-	11.8
Transportation 0.2% Sales Tax	23.6	6.7	-	-	-	30.3
Water Rates	52.6	15.0	-	-	-	67.6
Total:	700.1	199.7	-	-	-	899.8

Public Records and Litigation Document Review Software - (JB50)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$214.7)

Location: City Attorney's Office

Project Type: Technology Related

Description: Purchase Document Review software to more efficiently process information that has been manually identified and collected pertaining to public records requests and litigation cases.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	288.8	-	-	-	-	288.8
Total:	288.8	-	-	-	-	288.8

Solid Waste Vehicle Monitoring System - (JB66)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$491.9)

Location: Citywide

Project Type: Technology Related

Description: Purchase and install a vehicle monitoring system for the solid waste vehicle fleet that will provide vehicle maintenance and operations monitoring, Radio Frequency Identification (RFID) technology for monitoring container servicing and usage and other applications that will assist in increasing the productivity and efficiency of Solid Waste departmental operations.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sanitation Rates	822.5	-	-	-	-	822.5
Total:	822.5	-	-	-	-	822.5

Street Operations Work and Asset Management System - (JB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$0.9)

Location: Citywide

Project Type: Technology Related

Description: Purchase and integrate a software package to provide asset and work management for all of the maintenance work falling under the jurisdiction of the Street Operations department. This includes work and assets relating to shoulders and drainage, pavement management, signs and markings, traffic signals, street lights and street cleaning.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	168.1	-	-	-	-	168.1
Total:	168.1	-	-	-	-	168.1

Wide Area Network Fiber - (MB53)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$168.4)

Location: Citywide

Project Type: Technology Related

Description: Extend fiber that is being placed for the Intelligent Transportation Systems (ITS) project to city locations on the wide area network (WAN) such as parks and libraries that are in very close proximity to current or planned fiber paths. This upgrade will allow these locations to connect directly to the city network.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	465.9	-	-	-	-	465.9
Total:	465.9	-	-	-	-	465.9



YIELD
TO TRAFFIC
IN CIRCLE



YIELD
TO TRAFFIC
IN CIRCLE

Northsight Boulevard and Hayden Road Intersection

Project Descriptions

(In thousands of dollars)

Transportation

Transportation programs focus on providing for the safe, efficient, and affordable movement of people and goods. This program meets this goal by attempting to offer real transportation choices in a way that meets the needs of the community. In 1989 voters authorized a 0.2 percent privilege tax to fund transportation operations and improvements. In 2004 voters approved a 20-year extension of a half-cent transportation sales tax in Maricopa County that was first approved in 1985 to fund freeway construction. This program looks for the best use of these funding sources and addresses the multi-modal concept. Approximately 17.2 percent (\$84.2 million) of the CIP has been identified to address the transportation needs of the city.

Project	Estimated						Total	Page #
	Expenditures Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast		
Transportation								
Aviation/Aviation Improvements								
Airport Futures Contingency (ZB53)	-	3,600.1	-	-	-	-	3,600.1	82
Airport Master Plan (AB51)	(533.8)	550.7	-	-	-	-	550.7	82
Airport Pavement Preservation Program (AB52)	(698.0)	1,013.0	100.0	100.0	100.0	-	1,313.0	82
Airport Security System Improvements (AB54)	(81.1)	120.0	-	-	-	-	120.0	82
Airport Terminal Remodel (AB59)	-	10,000.0	-	-	-	-	10,000.0	83
Apron Reconstruction - Delta Apron (AC02)	-	2,400.0	-	-	-	-	2,400.0	83
Aviation Match Contingency (ZB52)	-	250.0	-	-	-	-	250.0	83
Construct Airport Operations/Maintenance (AB55)	(4,543.8)	4,900.0	-	-	-	-	4,900.0	84
Environmental Assessment for Land Acquisition (AB57)	-	-	-	-	-	200.0	200.0	84
Erosion Protection/Wildlife Mitigation - Runway Approach Area (AC01)	-	500.0	-	-	-	-	500.0	84
Reconstruct Taxiway "C" (TEMP975)	-	-	-	40.0	360.0	-	400.0	85
Rehabilitate Runway 03/21 (AB61)	-	600.0	5,400.1	-	-	-	6,000.1	85
Rehabilitate Taxiway "A" and Exits (AB60)	-	899.9	8,100.1	-	-	-	9,000.0	85
Rehabilitate Taxiway "B" and Exits (AB56)	(642.4)	7,000.1	-	-	-	-	7,000.1	86
Replace Electrical Pullboxes - Main Apron (AB58)	-	70.0	-	-	-	-	70.0	86
Runway Safety Enhancements Phase 2 (AB53)	(2,953.8)	4,970.0	-	-	-	-	4,970.0	86
Streets/Street Improvements								
124th & 128th Street - Street, Intersection and Multi-Use Path Improvements (SB55)	(125.3)	1,100.0	-	-	-	-	1,100.0	87
98th Street West Half Improvement - North of McDowell Mountain Ranch Road (TEMP1610)	-	-	150.0	850.0	-	-	1,000.0	87
Airpark Area Access Projects Phase I (SB52)	(7,617.4)	7,638.2	-	-	-	-	7,638.2	87
Alma School and Jomax Road Improvements (TEMP1608)	-	-	-	-	-	1,100.0	1,100.0	88
* CIP Advance Planning Program (YB50)	(2,109.5)	2,257.3	-	-	-	-	2,257.3	88
Frank Lloyd Wright-Scottsdale Rd to Shea (SB50)	(1,524.9)	2,467.5	-	-	-	-	2,467.5	88
Miller Road Underpass at the 101 Freeway (SC03)	-	1,000.0	-	-	-	-	1,000.0	89
* Pavement Overlay Program (YB78)	(3,348.7)	3,300.0	-	-	-	-	3,300.0	89
* Pavement Overlay Program (YC29)	-	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0	89
Pima Road - Pinnacle Peak to Happy Valley (SC01)	-	1,921.5	1,700.0	4,571.5	-	-	8,193.0	90
Pima Road: Via Linda to Via de Ventura (SB57)	(89.6)	1,912.0	-	-	-	-	1,912.0	90
Pima Road: Krail Street to Chaparral Road (SC04)	-	86.0	387.0	343.0	807.0	-	1,623.0	91
Pinnacle Vista - 56th Street Intersection Improvements (TEMP1611)	-	-	350.0	-	-	-	350.0	91
Raintree Drive: Hayden Road to Loop 101 (SC02)	-	1,006.0	1,500.0	6,500.0	-	-	9,006.0	91
Raintree Drive: Scottsdale Road to Hayden Road (SB53)	(1,752.5)	9,745.7	13,571.4	-	-	-	23,317.1	92
Raintree/Loop 101 Interchange (TEMP1184)	-	-	1,006.0	500.0	3,017.1	-	4,523.1	92
Redfield Road: Raintree Drive to Hayden Road (SB56)	-	214.3	1,928.6	-	-	-	2,142.9	93

*Recurring Capital Maintenance Projects.

Project Descriptions

(In thousands of dollars)

Project	Estimated Expenditures						Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast		
Transportation								
Streets/Street Improvements								
Replace Drainage Grates (SB58)	(56.2)	259.0	100.0	100.0	100.0	100.0	659.0	93
Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak (SB59)	(12,115.2)	12,588.8	-	-	-	-	12,588.8	93
Southbound Loop 101 Frontage Road Connections (SB54)	(149.0)	4,360.1	-	-	-	-	4,360.1	94
Traffic/Traffic Reduction								
Advanced Traffic Signal Control Cabinets - Phase I (TC04)	-	721.0	-	-	-	-	721.0	95
Advanced Traffic Signal Control Cabinets - Phase II (TEMP1191)	-	-	721.0	-	-	-	721.0	95
Chaparral Road Traffic Calming, Sewer & Drainage Improvements-Scottsdale Rd. to 69th Place (TB61)	(181.9)	2,097.7	-	-	-	-	2,097.7	95
Hayden Road / Chaparral Intersection Improvements (TB59)	(2.7)	3.0	-	-	-	-	3.0	96
Hayden/Thomas Safety Improvements (TB57)	(400.6)	2,707.7	-	-	-	-	2,707.7	96
* Intersection Mobility Enhancements (YB72)	(442.0)	1,500.0	-	-	-	-	1,500.0	96
* Intersection Mobility Enhancements (YC19)	-	100.0	500.0	500.0	500.0	500.0	2,100.0	96
ITS/Signal System Upgrades (TB56)	(1,533.0)	3,649.9	-	-	-	-	3,649.9	97
* Neighborhood Traffic Management Program (YB62)	(242.7)	250.0	-	-	-	-	250.0	97
* Neighborhood Traffic Management Program (YB74)	(49.1)	200.0	-	-	-	-	200.0	97
* Neighborhood Traffic Management Program (YTEMP1691)	-	-	100.0	100.0	100.0	100.0	400.0	97
* Traffic Management Program - ITS (YB75)	(428.9)	500.0	-	-	-	-	500.0	98
* Traffic Management Program - ITS (YTEMP1692)	-	-	200.0	200.0	200.0	200.0	800.0	98
* Traffic Signal Construction (YB76)	(301.9)	300.0	-	-	-	-	300.0	98
* Traffic Signal Construction (YC23)	-	250.0	250.0	250.0	250.0	250.0	1,250.0	98
Transit/Transit Improvements								
Arizona Canal Path - Chaparral to McDonald to Indian Bend Wash (TB58)	(516.9)	4,111.7	-	-	-	-	4,111.7	99
* Bikeways Program (YB77)	(562.7)	850.0	-	-	-	-	850.0	99
* Bikeways Program (YTEMP1694)	-	-	300.0	300.0	300.0	300.0	1,200.0	99
* Bus Stop Improvements (YB82)	(113.4)	150.0	-	-	-	-	150.0	99
Crosscut Canal Bridge and Path (TB63)	(165.8)	897.7	-	-	-	-	897.7	100
Downtown Pedestrian Improvements (TB55)	(562.5)	600.0	-	-	-	-	600.0	100
McDowell Road Bridge over Indian Bend Wash (TB52)	(3,550.7)	3,786.6	-	-	-	-	3,786.6	100
Mustang Transit Passenger Facility (TB50)	(721.6)	8,393.9	-	-	-	-	8,393.9	101
North Canal Bank Improvements - Marshall Way to Goldwater (TB60)	(1,502.9)	1,946.0	-	-	-	-	1,946.0	101
Pave 3 Dirt Roads (TB64)	(1,014.1)	1,344.5	-	-	-	-	1,344.5	101
Shea Underpass Access at 124th Street (TB66)	(159.4)	1,661.0	-	-	-	-	1,661.0	102
* Sidewalk Improvements (YB61)	(234.7)	350.0	-	-	-	-	350.0	102
* Sidewalk Improvements (YB73)	-	200.0	-	-	-	-	200.0	102
* Sidewalk Improvements (YTEMP1690)	-	-	100.0	100.0	100.0	100.0	400.0	102
Skysong Center Transit Passenger Facility and Sidewalk Improvements (TB51)	(2,444.8)	4,758.8	-	-	-	-	4,758.8	103
Thomas Road Bicycle Lanes and Enhanced Sidewalks (TB53)	(7,026.2)	6,926.9	-	-	-	-	6,926.9	103
* Trail Improvement Program (YB71)	(259.4)	650.0	-	-	-	-	650.0	103
* Trail Improvement Program (YTEMP1688)	-	-	100.0	100.0	100.0	100.0	400.0	103

*Recurring Capital Maintenance Projects.

Project Descriptions

(In thousands of dollars)

Project	Estimated Expenditures					Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast		
Transportation							
Transit/Transit Improvements							
Transit Bus Purchases (TB67)	-	5,711.0	-	-	-	5,711.0	104
Transit Stop Improvements (TC03)	-	200.0	-	-	-	200.0	104
Transit Vehicle Refurbishment (TB54)	(52.8)	150.0	-	-	-	150.0	104
WestWorld Trail Connections (TC02)	-	632.0	4,479.6	-	-	5,111.6	104

*Recurring Capital Maintenance Projects.

Airport Futures Contingency - (ZB53)

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Provides budgetary appropriation set aside for unforeseen aviation grants not otherwise budgeted.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	3,600.1	-	-	-	-	3,600.1
Total:	3,600.1	-	-	-	-	3,600.1

Airport Master Plan - (AB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$533.8)

Location: Scottsdale Airport

Project Type: Construction Related

Description: This project will provide the funding for the airport to conduct an Airport Master Plan update. This study will update the current and future uses and facilities of the city's airport. The Federal Aviation Administration (FAA) and the Arizona Department of Transportation (ADOT) prefer that master plans be updated every 5 to 10 years depending on how quickly the airport operating environment is changing.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	123.2	-	-	-	-	123.2
Grants	427.5	-	-	-	-	427.5
Total:	550.7	-	-	-	-	550.7

Airport Pavement Preservation Program - (AB52)

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$698.0)

Location: Scottsdale Airport

Project Type: Construction Related

Description: Pavement preservation for various areas at the Scottsdale Airport.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	1,013.0	100.0	100.0	100.0	-	1,313.0
Total:	1,013.0	100.0	100.0	100.0	-	1,313.0

Airport Security System Improvements - (AB54)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$81.1)

Location: Scottsdale Airport

Project Type: Technology Related

Description: Update the access control and video surveillance systems to enhance security at the city's airport.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	120.0	-	-	-	-	120.0
Total:	120.0	-	-	-	-	120.0

Airport Terminal Remodel - (AB59)

Est. Completion: 12/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Redevelop the Airport Terminal Building and Aviation Business Center to create a single, modern facility and additional parking to accommodate existing and new tenants.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	400.0	-	-	-	-	400.0
MPC Bonds	9,600.0	-	-	-	-	9,600.0
Total:	10,000.0	-	-	-	-	10,000.0

Apron Reconstruction - Delta Apron - (AC02)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and reconstruct the "Delta" aircraft parking apron that is necessary to meet Federal Aviation Administration (FAA) standards for the design aircraft. The existing pavement has exceeded its 20 year life expectancy.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	107.3	-	-	-	-	107.3
Grants	2,292.7	-	-	-	-	2,292.7
Total:	2,400.0	-	-	-	-	2,400.0

Aviation Match Contingency - (ZB52)

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Provides budget appropriation set aside for the city's matching portion of unforeseen grants not otherwise budgeted.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	250.0	-	-	-	-	250.0
Total:	250.0	-	-	-	-	250.0

Construct Airport Operations/Maintenance - (AB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,543.8)

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and construct a consolidated operations and maintenance facility on existing airport property. The facility will allow for storage of assets in one location and release a covered t-hangar to generate additional revenue. This facility will be constructed in the central part of the airport, which will also enhance airfield security by providing airport operations staff with a full and unobstructed view of the airfield at all times.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	4,900.0	-	-	-	-	4,900.0
Total:	4,900.0	-	-	-	-	4,900.0

Environmental Assessment for Land Acquisition - (AB57)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Conduct an environmental assessment as a prerequisite to land acquisition surrounding the airport. This land will be used to accommodate future aviation needs and increase airport capacity.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	-	-	-	-	10.0	10.0
Grants	-	-	-	-	190.0	190.0
Total:	-	-	-	-	200.0	200.0

Erosion Protection/Wildlife Mitigation - Runway Approach Area - (AC01)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and complete erosion protection and wildlife mitigation on the south end of the runway area.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	50.0	-	-	-	-	50.0
Grants	450.0	-	-	-	-	450.0
Total:	500.0	-	-	-	-	500.0

Reconstruct Taxiway "C" - (TEMP975)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and reconstruction of Taxiway "Charlie", which is necessary to meet the Federal Aviation Administration (FAA) standards for the design aircraft. This pavement has exceeded its 20 year life expectancy.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	-	-	4.0	36.0	-	40.0
Grants	-	-	36.0	324.0	-	360.0
Total:	-	-	40.0	360.0	-	400.0

Rehabilitate Runway 03/21 - (AB61)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Rehabilitate the airport's runway, in order to regularly allow aircraft to operate up to 100,000 pounds at takeoff, which is necessary to meet Federal Aviation Administration (FAA) standards for the design aircraft. This project also includes improving the runway shoulders.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	26.8	241.4	-	-	-	268.2
Grants	573.2	5,158.7	-	-	-	5,731.9
Total:	600.0	5,400.1	-	-	-	6,000.1

Rehabilitate Taxiway "A" and Exits - (AB60)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and rehabilitate pavement to Taxiway "Alpha" and exits, which is necessary to meet Federal Aviation Administration (FAA) standards for the design aircraft. The project also includes constructing new taxiway shoulders. The pavement has exceeded its 20 year life expectancy.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	40.2	362.1	-	-	-	402.3
Grants	859.7	7,738.0	-	-	-	8,597.7
Total:	899.9	8,100.1	-	-	-	9,000.0

Rehabilitate Taxiway "B" and Exits - (AB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$642.4)

Location: Scottsdale Airport

Project Type: Construction Related

Description: Design and rehabilitate pavement to Taxiway "Bravo", the most heavily used taxiway on the airport, which is necessary to meet Federal Aviation Administration (FAA) standards for the design aircraft. The project also includes constructing new taxiway shoulders and lighting. The pavement has exceeded its 20 year life expectancy.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	450.0	-	-	-	-	450.0
Grants	6,550.1	-	-	-	-	6,550.1
Total:	7,000.1	-	-	-	-	7,000.1

Replace Electrical Pullboxes - Main Apron - (AB58)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airport

Project Type: Construction Related

Description: This project involves the removal and replacement of approximately ten electrical pullboxes.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	70.0	-	-	-	-	70.0
Total:	70.0	-	-	-	-	70.0

Runway Safety Enhancements Phase 2 - (AB53)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2,953.8)

Location: Scottsdale Airport

Project Type: Construction Related

Description: This phase of the project involves a series of projects that will enhance the runway safety at Scottsdale Airport by creating additional spacing between the aircraft that are waiting for takeoff and the aircraft that are using the runway.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Aviation Funds	124.2	-	-	-	-	124.2
Grants	4,845.8	-	-	-	-	4,845.8
Total:	4,970.0	-	-	-	-	4,970.0

124th & 128th Street - Street, Intersection and Multi-Use Path Improvements - (SB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$125.3)

Location: 124th Street and 128th Street north of Via Linda.

Project Type: Construction Related

Description: This project will construct half-street improvements along 128th Street, intersection improvements along both 124th and 128th Streets and a multi-use path connection from 124th Street to 128th Street. The construction will be in coordination and cooperation with the planned Lost Dog Wash and Ringtail Trailhead improvements, and improvements adjacent to Anasazi Elementary School and Mountainside Middle School. This project anticipates shared funding with the McDowell Sonoran Preserve and the Scottsdale Unified School District.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	350.0	-	-	-	-	350.0
Transportation 0.2% Sales Tax	750.0	-	-	-	-	750.0
Total:	1,100.0	-	-	-	-	1,100.0

98th Street West Half Improvement - North of McDowell Mountain Ranch Road - (TEMP1610)

Est. Completion: 12/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: 98th Street north of McDowell Mountain Ranch Road

Project Type: Construction Related

Description: Construct west half-street adjacent to WestWorld (one-eighth mile length) including potential roundabout at McDowell Mountain Ranch Road intersection.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	150.0	850.0	-	-	1,000.0
Total:	-	150.0	850.0	-	-	1,000.0

Airpark Area Access Projects Phase I - (SB52)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$7,617.4)

Location: Airpark Area

Project Type: Construction Related

Description: Phase I improvements are planned to include the design, right-of-way acquisition and construction of a new public collector street on the Northsight alignment north of Hayden Road and the completion of preliminary design plans for the Raintree Drive corridor and the Loop 101 southbound frontage road connections. Improvements will also include landscaping and pedestrian, bicycle and transit access.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	4,857.6	-	-	-	-	4,857.6
Transportation 0.2% Sales Tax	2,780.6	-	-	-	-	2,780.6
Total:	7,638.2	-	-	-	-	7,638.2

Alma School and Jomax Road Improvements - (TEMP1608)

Est. Completion: 12/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Alma School Road: Jomax Road to Park entrance and Jomax Road: Pinnacle Peak Trailhead to 118th Street

Project Type: Construction Related

Description: Widen Alma School Road from two to four lanes with bikes lanes and improved sidewalks. Reconstruct Alma School Road and Jomax Road intersection, possibly with a roundabout.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	-	-	-	1,100.0	1,100.0
Total:	-	-	-	-	1,100.0	1,100.0

*** CIP Advance Planning Program - (YB50)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$2,109.5)

Location: Citywide

Project Type: Construction Related

Description: Conduct studies, travel demand modeling, analysis and internal/external coordination to determine future capital improvement needs for major street, intersection, traffic management and transit projects.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	1,971.0	-	-	-	-	1,971.0
Transportation 0.2% Sales Tax	286.3	-	-	-	-	286.3
Total:	2,257.3	-	-	-	-	2,257.3

Frank Lloyd Wright–Scottsdale Rd to Shea - (SB50)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,524.9)

Location: Frank Lloyd Wright Boulevard from Scottsdale Road to Shea Boulevard

Project Type: Construction Related

Description: Construct a series of localized transportation improvements which include turn bays, channelized medians, sidewalks and other associated improvements. The localized projects include 76th street, 78th street, 82nd street, 90th street, Sweetwater, Cactus, Via Linda, Shea Boulevard and other spot locations along the Frank Lloyd Wright corridor.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	397.7	-	-	-	-	397.7
Transportation 0.2% Sales Tax	2,069.8	-	-	-	-	2,069.8
Total:	2,467.5	-	-	-	-	2,467.5

Miller Road Underpass at the 101 Freeway - (SC03)

Est. Completion: 01/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Miller Road at the 101 Freeway.

Project Type: Construction Related

Description:

This first phase will be for a 30 percent Design Concept Report for an underpass of Miller Road at the 101 Freeway to connect the south side of the freeway to the north. This street connection is identified on the Streets Plan in the Transportation Master Plan and is one of the regional Arterial Life Cycle Projects funded with gas tax.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	700.0	-	-	-	-	700.0
Transportation 0.2% Sales Tax	300.0	-	-	-	-	300.0
Total:	1,000.0	-	-	-	-	1,000.0

*** Pavement Overlay Program - (YB78)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$3,348.7)

Location: Citywide

Project Type: Construction Related

Description: Ongoing project for street pavement overlays and all costs associated with these improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	3,300.0	-	-	-	-	3,300.0
Total:	3,300.0	-	-	-	-	3,300.0

*** Pavement Overlay Program - (YC29)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Ongoing project for street pavement overlays and all costs associated with these improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0
Total:	6,550.0	6,550.0	6,550.0	6,550.0	6,550.0	32,750.0

Pima Road - Pinnacle Peak to Happy Valley - (SC01)

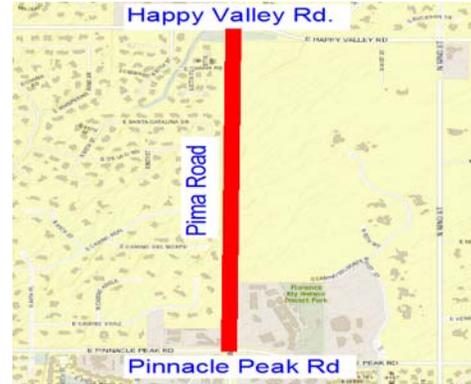
Est. Completion: 10/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Pima Road - Pinnacle Peak Road to Happy Valley Road

Project Type: Construction Related

Description:

Design, acquire right of way, and construct a six lane major arterial cross section with landscaped median, turn lanes, bike lanes, sidewalk curb and gutter roadway drainage and intelligent Transportation Systems facilities.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	1,345.0	1,190.0	3,200.0	-	-	5,735.0
Transportation 0.2% Sales Tax	576.5	510.0	1,371.5	-	-	2,458.0
Total:	1,921.5	1,700.0	4,571.5	-	-	8,193.0

Pima Road: Via Linda to Via de Ventura - (SB57)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$89.6)

Location: Pima Road from Via Linda to Via de Ventura

Project Type: Construction Related

Description: Intersection improvements along Pima Road/90th Street from Via Linda to Via de Ventura.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	1,338.0	-	-	-	-	1,338.0
Transportation 0.2% Sales Tax	574.0	-	-	-	-	574.0
Total:	1,912.0	-	-	-	-	1,912.0

Pima Road: Krail Street to Chaparral Road - (SC04)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Pima Road: Krail Street to Chaparral Road

Project Type: Construction Related

Description: Design and construction of a four-lane minor arterial cross-section including medians, bike lanes and sidewalks. The Salt River Pima-Maricopa Indian Community (SRPMIC) will implement the design and construction of the project with an overall project cost of \$13.5 million. As addressed in the Intergovernmental Agreement (IGA) with the Maricopa Association of Governments (MAG) and SRPMIC, the City of Scottsdale is responsible for 12 percent of the project cost, SRPMIC is responsible for 16 percent and MAG is responsible for 70 percent. The city's total responsibility is \$1.6 million.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	86.0	387.0	343.0	807.0	-	1,623.0
Total:	86.0	387.0	343.0	807.0	-	1,623.0

Pinnacle Vista - 56th Street Intersection Improvements - (TEMP1611)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Pinnacle Vista Drive at 56th Street

Project Type: Construction Related

Description: Intersection improvements for pedestrian, bicyclists and vehicles including roundabout, sidewalks, and pedestrian crossings.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	350.0	-	-	-	350.0
Total:	-	350.0	-	-	-	350.0

Raintree Drive: Hayden Road to Loop 101 - (SC02)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airpark

Project Type: Construction Related

Description: Improve the existing five-lane Raintree corridor between Hayden Road and Loop 101 Freeway by rebuilding intersections, modifying medians, and enhancing pedestrian bicycle and transit facilities. This is one of the segments of the overarching project to extend Raintree Drive from Scottsdale Road to Loop 101.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	704.0	1,050.0	4,550.0	-	-	6,304.0
Transportation 0.2% Sales Tax	302.0	450.0	1,950.0	-	-	2,702.0
Total:	1,006.0	1,500.0	6,500.0	-	-	9,006.0

Raintree Drive: Scottsdale Road to Hayden Road - (SB53)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$1,752.5)

Location: Scottsdale Airpark

Project Type: Construction Related

Description:

Reconstruct a portion of Redfield Road, 76th Place, Acoma Drive and 78th Way to create the extension of Raintree Drive west of Hayden Road. This is one of the segments of the overarching project to extend Raintree Drive from Scottsdale Road to Hayden Road.



Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	6,500.0	9,500.0	-	-	-	16,000.0
Transportation 0.2% Sales Tax	3,245.7	4,071.4	-	-	-	7,317.1
Total:	9,745.7	13,571.4	-	-	-	23,317.1

Raintree/Loop 101 Interchange - (TEMP1184)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airpark

Project Type: Construction Related

Description: Improve the safety and capacity of the Loop 101/Raintree Drive freeway interchange and area roadway system to relieve Airpark traffic congestion.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	-	704.0	350.0	2,112.0	-	3,166.0
Transportation 0.2% Sales Tax	-	302.0	150.0	905.1	-	1,357.1
Total:	-	1,006.0	500.0	3,017.1	-	4,523.1

Redfield Road: Raintree Drive to Hayden Road - (SB56)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Airpark

Project Type: Construction Related

Description: Widen the existing Thunderbird-Redfield corridor from four to five lanes between Scottsdale Road and 76th Place. Also connect to Raintree Drive, resulting in an extension of the Raintree corridor to Scottsdale Road. The completed corridor will be renamed Raintree Drive. Project may include improvements to the intersection of Scottsdale Road. Redfield Road will also be restriped and reconstructed, as necessary, from 76th Place to Hayden Road. Project will increase capacity, improve safety and provide enhanced pedestrian and bike facilities. This is one of the segments of the overarching project to extend Redfield Road from Raintree Drive to Hayden Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	150.0	1,350.0	-	-	-	1,500.0
Transportation 0.2% Sales Tax	64.3	578.6	-	-	-	642.9
Total:	214.3	1,928.6	-	-	-	2,142.9

Replace Drainage Grates - (SB58)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$56.2)

Location: Citywide

Project Type: Construction Related

Description: Replace modified and non-bicycle-friendly drainage grates that meet standards for bicycle-safe drainage grates throughout the city.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	259.0	100.0	100.0	100.0	100.0	659.0
Total:	259.0	100.0	100.0	100.0	100.0	659.0

Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak - (SB59)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** (\$12,115.2)

Location: Scottsdale Road from Thompson Peak Parkway to Pinnacle Peak Road

Project Type: Construction Related

Description: Design and construct improvements to Scottsdale Road including turn lanes, bike lanes, sidewalks, curb and gutter, roadway drainage, intelligent transportation system facilities and all-weather crossing of the Rawhide Wash. Initial construction phase is limited to utility relocation and Rawhide Wash bridge.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Bond 2000	636.0	-	-	-	-	636.0
In Lieu Fees	203.3	-	-	-	-	203.3
Regional Sales Tax - Arterial Life Cycle Program	9,152.4	-	-	-	-	9,152.4
Transportation 0.2% Sales Tax	2,597.1	-	-	-	-	2,597.1
Total:	12,588.8	-	-	-	-	12,588.8

Southbound Loop 101 Frontage Road Connections - (SB54)

Est. Completion: 10/16 **Est. ITD Expenditures (Thru 06/15):** (\$149.0)

Location: Scottsdale Airpark

Project Type: Construction Related

Description: Create new east-west street corridors between the Central Arizona Project Canal and Thunderbird Road that will provide connections between the southbound Loop 101 frontage road and adjacent streets and commercial centers. Create new east-west street corridors between Hayden Road to the southbound Loop 101 Frontage Road from the Central Arizona Project Canal to Thunderbird Road. The new corridors will promote safe efficient travel through the existing commercial corridor in this area.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Regional Sales Tax - Arterial Life Cycle Program	3,052.0	-	-	-	-	3,052.0
Transportation 0.2% Sales Tax	1,308.1	-	-	-	-	1,308.1
Total:	4,360.1	-	-	-	-	4,360.1

Advanced Traffic Signal Control Cabinets - Phase I - (TC04)

Est. Completion: 12/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Replace standard signal cabinets with advanced hybrid cabinets at arterial to arterial intersections.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	677.0	-	-	-	-	677.0
Transportation 0.2% Sales Tax	44.0	-	-	-	-	44.0
Total:	721.0	-	-	-	-	721.0

Advanced Traffic Signal Control Cabinets - Phase II - (TEMP1191)

Est. Completion: 12/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Replace standard signal cabinets with advanced hybrid cabinets at arterial to collector intersections.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	-	677.0	-	-	-	677.0
Transportation 0.2% Sales Tax	-	44.0	-	-	-	44.0
Total:	-	721.0	-	-	-	721.0

Chaparral Road Traffic Calming, Sewer & Drainage Improvements-Scottsdale Rd. to 69th Place - (TB61)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$181.9)

Location: Chaparral Road between 69th Place and Scottsdale Road

Project Type: Construction Related

Description: Reconstruct a portion of Chaparral Road to provide traffic calming, drainage improvements and a new sewer collection line.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
General Fund	279.5	-	-	-	-	279.5
Contributions	350.3	-	-	-	-	350.3
MPC Bonds	114.5	-	-	-	-	114.5
Sewer Rates	270.0	-	-	-	-	270.0
Stormwater In-Lieu Fees	84.0	-	-	-	-	84.0
Transportation 0.2% Sales Tax	999.4	-	-	-	-	999.4
Total:	2,097.7	-	-	-	-	2,097.7

Hayden Road / Chaparral Intersection Improvements - (TB59)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2.7)

Location: Intersection of Hayden Road and Chaparral Road

Project Type: Construction Related

Description: This project will provide intersection improvements to add capacity and improve safety.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	3.0	-	-	-	-	3.0
Total:	3.0	-	-	-	-	3.0

Hayden/Thomas Safety Improvements - (TB57)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$400.6)

Location: Hayden Road and Thomas Road Intersection

Project Type: Construction Related

Description: Design and construction of intersection improvements to improve safety and traffic operations. The project will include left turn improvements, median modifications, turn bays and bus bays. Sidewalk and other pedestrian improvements will also be constructed.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Bond 2000	932.2	-	-	-	-	932.2
Grants	1,706.5	-	-	-	-	1,706.5
Transportation 0.2% Sales Tax	69.0	-	-	-	-	69.0
Total:	2,707.7	-	-	-	-	2,707.7

*** Intersection Mobility Enhancements - (YB72)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$442.0)

Location: Citywide

Project Type: Construction Related

Description: Provide roadway capacity and safety improvements at various locations within the city; projects range from adding an exclusive right-turn lane, a pedestrian refuge island and modifying medians and driveways.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	1,500.0	-	-	-	-	1,500.0
Total:	1,500.0	-	-	-	-	1,500.0

*** Intersection Mobility Enhancements - (YC19)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Provide roadway capacity and safety improvements at various locations within the city; projects range from adding an exclusive right-turn lane, a pedestrian refuge island and modifying medians and driveways.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	100.0	500.0	500.0	500.0	500.0	2,100.0
Total:	100.0	500.0	500.0	500.0	500.0	2,100.0

ITS/Signal System Upgrades - (TB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,533.0)

Location: Citywide

Project Type: Construction Related

Description: Purchase new traffic signal controllers and firmware to replace aged units at major city roadway intersections, and add vehicle detection camera systems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	3,649.9	-	-	-	-	3,649.9
Total:	3,649.9	-	-	-	-	3,649.9

*** Neighborhood Traffic Management Program - (YB74)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$49.1)

Location: Citywide

Project Type: Construction Related

Description: Street improvements for traffic calming that are developed through an active citizen involvement process.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	200.0	-	-	-	-	200.0
Total:	200.0	-	-	-	-	200.0

*** Neighborhood Traffic Management Program - (YTEMP1691)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Street improvements for traffic calming that are developed through an active citizen involvement process.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	100.0	100.0	100.0	100.0	400.0
Total:	-	100.0	100.0	100.0	100.0	400.0

*** Neighborhood Traffic Management Program - (YB62)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$242.7)

Location: Citywide

Project Type: Construction Related

Description: Street improvements for traffic calming that are developed through an active citizen involvement process.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	250.0	-	-	-	-	250.0
Total:	250.0	-	-	-	-	250.0

*** Traffic Management Program - ITS - (YTEMP1692)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Purchase and install hardware, software, and system integration to automate traffic counting and video observation of traffic movement to reduce traffic congestion and delays through enhanced signal timing and public notification.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	200.0	200.0	200.0	200.0	800.0
Total:	-	200.0	200.0	200.0	200.0	800.0

*** Traffic Management Program - ITS - (YB75)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$428.9)

Location: Citywide

Project Type: Construction Related

Description: Purchase and install hardware, software, and system integration to automate traffic counting and video observation of traffic movement to reduce traffic congestion and delays through enhanced signal timing and public notification.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	500.0	-	-	-	-	500.0
Total:	500.0	-	-	-	-	500.0

*** Traffic Signal Construction - (YC23)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Multiple Locations

Project Type: Construction Related

Description: Design and construct new traffic signals or intersection control. This includes purchasing new traffic signal equipment, and installing new equipment at existing traffic signal locations.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	250.0	250.0	250.0	250.0	250.0	1,250.0
Total:	250.0	250.0	250.0	250.0	250.0	1,250.0

*** Traffic Signal Construction - (YB76)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$301.9)

Location: Multiple Locations

Project Type: Construction Related

Description: Design and construct new traffic signals or intersection control. This includes purchasing new traffic signal equipment, and installing new equipment at existing traffic signal locations.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	300.0	-	-	-	-	300.0
Total:	300.0	-	-	-	-	300.0

Arizona Canal Path - Chaparral to McDonald to Indian Bend Wash - (TB58)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$516.9)

Location: Arizona Canal, from Chaparral Road to McDonald Road

Project Type: Construction Related

Description: Design and construct a multiuse path along the Arizona Canal from Chaparral Road to the Indian Bend Wash path south of Indian Bend Road. The project also includes public art, landscaping, site furnishings, connections to adjacent neighborhoods and pedestrian bridges.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	2,200.0	-	-	-	-	2,200.0
Transportation 0.2% Sales Tax	1,911.7	-	-	-	-	1,911.7
Total:	4,111.7	-	-	-	-	4,111.7

*** Bikeways Program - (YB77)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$562.7)

Location: Multiple locations

Project Type: Construction Related

Description: Improve multi use paths and on street bicycle facilities to include: path connections, grade separated crossings and upgrades to existing path segments.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	850.0	-	-	-	-	850.0
Total:	850.0	-	-	-	-	850.0

*** Bikeways Program - (YTEMP1694)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Multiple locations

Project Type: Construction Related

Description: Improve multi use paths and on street bicycle facilities to include: path connections, grade separated crossings and upgrades to existing path segments.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	300.0	300.0	300.0	300.0	1,200.0
Total:	-	300.0	300.0	300.0	300.0	1,200.0

*** Bus Stop Improvements - (YB82)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$113.4)

Location: Citywide

Project Type: Construction Related

Description: Construct shelters to provide weather protection, seating, bike racks and other amenities at bus stops located through the community. Further, install bus pullouts on the far side of signalized intersections to allow buses to pick up and discharge passengers outside of the flow of traffic.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	150.0	-	-	-	-	150.0
Total:	150.0	-	-	-	-	150.0

Crosscut Canal Bridge and Path - (TB63)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$165.8)

Location: Crosscut Canal Path south of McDowell Road at approximately 66th Street

Project Type: Construction Related

Description: The construction of a non-motorized bridge over the Crosscut Canal, a ramp and a path. The project will connect existing pathways between Tempe and Scottsdale, and make it safer for bicycles and pedestrian to access the new transit center south of the Scottsdale Road and McDowell Road intersection.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	626.3	-	-	-	-	626.3
Transportation 0.2% Sales Tax	271.4	-	-	-	-	271.4
Total:	897.7	-	-	-	-	897.7

Downtown Pedestrian Improvements - (TB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$562.5)

Location: Downtown Scottsdale

Project Type: Construction Related

Description: This project implements the recommendations of the Downtown Scottsdale Pedestrian Mobility study to improve pedestrian access throughout the downtown area.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	600.0	-	-	-	-	600.0
Total:	600.0	-	-	-	-	600.0

McDowell Road Bridge over Indian Bend Wash - (TB52)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$3,550.7)

Location: McDowell Road, Scottsdale Road to Granite Reef Road

Project Type: Construction Related

Description: Add east and westbound bicycle lanes and enhance sidewalks along McDowell Road from Miller Road to 77th Street. Landscaping, site furnishings and pedestrian lighting will be included. The project design will consider access to transit and nearby shared-use paths.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Bond 2000	2,204.4	-	-	-	-	2,204.4
Grants	1,582.1	-	-	-	-	1,582.1
Transportation 0.2% Sales Tax	0.1	-	-	-	-	0.1
Total:	3,786.6	-	-	-	-	3,786.6

Mustang Transit Passenger Facility - (TB50)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$721.6)

Location: Mustang Library at 90th Street and Shea Boulevard

Project Type: Construction Related

Description: Design and construct a transit facility along 90th Street (intersection with Mustang Library) south of Shea Boulevard. The project includes a two-lane roundabout, traffic control, bus shelters, landscaping and utility relocations.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Bond 2000	2,211.5	-	-	-	-	2,211.5
Grants	5,260.2	-	-	-	-	5,260.2
Transportation 0.2% Sales Tax	922.2	-	-	-	-	922.2
Total:	8,393.9	-	-	-	-	8,393.9

North Canal Bank Improvements - Marshall Way to Goldwater - (TB60)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,502.9)

Location: North bank of the Arizona Canal between Goldwater Boulevard and Marshall Way

Project Type: Construction Related

Description: This project will complete the path segment between Scottsdale Road and Goldwater Boulevard. The improvements will include construction of the Marshall Way Bridge underpass, pedestrian and bike path connections, as well as landscaping and lighting to complement the existing canal bank improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Contributions	950.0	-	-	-	-	950.0
Transportation 0.2% Sales Tax	996.0	-	-	-	-	996.0
Total:	1,946.0	-	-	-	-	1,946.0

Pave 3 Dirt Roads - (TB64)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,014.1)

Location: Northern portion of the city, in segments of Via Dona Road, Hayden Road and Pinnacle Vista Road

Project Type: Construction Related

Description: Pavement of three dirt roads in segments of Via Dona Road, Hayden Road and Pinnacle Vista Road, in an effort to improve air quality where measured increases in traffic volumes have caused concern over dust pollution.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	1,267.9	-	-	-	-	1,267.9
Transportation 0.2% Sales Tax	76.6	-	-	-	-	76.6
Total:	1,344.5	-	-	-	-	1,344.5

Shea Underpass Access at 124th Street - (TB66)

Est. Completion: 04/16 **Est. ITD Expenditures (Thru 06/15):** (\$159.4)

Location: Shea Boulevard east of 124th Street.

Project Type: Construction Related

Description: Design and construct concrete shared use path and unpaved trail between Sahuaro Drive and Via Linda including access to existing tunnel under Shea Boulevard.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	1,253.0	-	-	-	-	1,253.0
In Lieu Fees	63.0	-	-	-	-	63.0
Transportation 0.2% Sales Tax	345.0	-	-	-	-	345.0
Total:	1,661.0	-	-	-	-	1,661.0

*** Sidewalk Improvements - (YB61)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$234.7)

Location: Citywide

Project Type: Construction Related

Description: Install sidewalks and sidewalk ramps and facilities to enhance the city's pedestrian network.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	350.0	-	-	-	-	350.0
Total:	350.0	-	-	-	-	350.0

*** Sidewalk Improvements - (YTEMP1690)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Install sidewalks and sidewalk ramps and facilities to enhance the city's pedestrian network.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	100.0	100.0	100.0	100.0	400.0
Total:	-	100.0	100.0	100.0	100.0	400.0

*** Sidewalk Improvements - (YB73)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Install sidewalks and sidewalk ramps and facilities to enhance the city's pedestrian network.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	200.0	-	-	-	-	200.0
Total:	200.0	-	-	-	-	200.0

Skysong Center Transit Passenger Facility and Sidewalk Improvements - (TB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2,444.8)

Location: Transit Center at Scottsdale Road and McDowell Road. Sidewalk improvements on north side of McDowell Road from Scottsdale Road to Miller Road.

Project Type: Construction Related

Description: Design and construct transit passenger facilities at the ASU Skysong Technology Center located at Scottsdale Road and McDowell Road with bus shelters landscaping, lighting and passenger amenities. Design and construct sidewalk improvements on the north side of McDowell Road, from Scottsdale Road to Miller Road.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	3,807.0	-	-	-	-	3,807.0
Transportation 0.2% Sales Tax	951.8	-	-	-	-	951.8
Total:	4,758.8	-	-	-	-	4,758.8

Thomas Road Bicycle Lanes and Enhanced Sidewalks - (TB53)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$7,026.2)

Location: Thomas Road, 64th Street to Pima Road

Project Type: Construction Related

Description: This project will add bicycle lanes, shade, landscaping and site furnishings and widen the sidewalks.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Bond 2000	6,226.9	-	-	-	-	6,226.9
Transportation 0.2% Sales Tax	700.0	-	-	-	-	700.0
Total:	6,926.9	-	-	-	-	6,926.9

*** Trail Improvement Program - (YB71)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$259.4)

Location: Citywide

Project Type: Construction Related

Description: An on-going program to complete and enhance unpaved trails citywide.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	650.0	-	-	-	-	650.0
Total:	650.0	-	-	-	-	650.0

*** Trail Improvement Program - (YTEMP1688)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: An on-going program to complete and enhance unpaved trails citywide.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	-	100.0	100.0	100.0	100.0	400.0
Total:	-	100.0	100.0	100.0	100.0	400.0

Transit Bus Purchases - (TB67)

Est. Completion: 12/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: South of Indian Bend Road on three Transit Routes

Project Type: Construction Related

Description: Purchase of four replacement transit buses.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	5,227.2	-	-	-	-	5,227.2
Regional Sales Tax - Arterial Life Cycle Program	483.8	-	-	-	-	483.8
Total:	5,711.0	-	-	-	-	5,711.0

Transit Stop Improvements - (TC03)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Construct transit shelters to provide weather protection, seating, bike racks, and other amenities at transit stops located throughout the community. Further, construct bus pullouts to allow buses to pick up and discharge passengers outside of the traffic flow.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	200.0	-	-	-	-	200.0
Total:	200.0	-	-	-	-	200.0

Transit Vehicle Refurbishment - (TB54)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$52.8)

Location: Citywide

Project Type: Construction Related

Description: Vehicle refurbishment including head signs, seating, re-painting and other mechanical and aesthetic treatment to transit vehicles.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Transportation 0.2% Sales Tax	150.0	-	-	-	-	150.0
Total:	150.0	-	-	-	-	150.0

WestWorld Trail Connections - (TC02)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Areas adjacent to Westworld, Grayhawk, DC Ranch and McDowell Mountain Ranch.

Project Type: Construction Related

Description: Provide 4.7 miles of non-motorized connectivity from WestWorld to adjoining neighborhoods and the McDowell Sonoran Preserve.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Grants	-	4,223.6	-	-	-	4,223.6
Transportation 0.2% Sales Tax	632.0	256.0	-	-	-	888.0
Total:	632.0	4,479.6	-	-	-	5,111.6



Water Campus Secondary Clarifier Rehabilitation

Project Descriptions

(In thousands of dollars)

Water Management

Water Management focuses on coordinating land use and infrastructure planning within the context of financial demands and available resources. This program achieves this goal by delivering safe, reliable water and providing water reclamation services. This program also reflects the city's commitment to federal and state regulations. Approximately 38.0 percent (\$186.3 million) of the CIP has been identified to address the water and water reclamation needs of the city.

Project	Estimated Expenditures						Total	Page #
	Thru 06/30/15	FY2015/16 Adopted	FY2016/17 Forecast	FY2017/18 Forecast	FY2018/19 Forecast	FY2019/20 Forecast		
Water Management								
Wastewater Improvements								
Advance Water Treatment Plant Membranes - Wastewater (VB69)	-	401.2	-	-	401.2	812.6	1,615.0	107
Campus Headworks Screen (VB65)	(795.9)	890.9	-	-	-	-	890.9	107
Campus/Central Arizona Project Drainage & Paving Improvements (Wastewater) (VB68)	(109.7)	1,600.0	-	-	-	-	1,600.0	107
Cross Roads East Wastewater (VB51)	(282.9)	4,212.9	-	-	-	-	4,212.9	108
Gainey Ranch WWTP Reuse Recharge (VC03)	-	401.6	-	-	-	-	401.6	108
Hydrogen Sulfide Mitigation (VB63)	(4,264.5)	5,011.7	-	-	-	-	5,011.7	108
Master Plan Water Reclamation (VB70)	(356.4)	945.5	-	-	350.0	-	1,295.5	109
Northeast Sewer Pumpback Station Sewerline Replacement, Site Wall to ADOT ROW (VB61)	(602.8)	986.0	-	-	-	-	986.0	109
Radio Telemetry Monitoring Automation Citywide - Wastewater (VB58)	(1,827.8)	2,305.5	200.0	200.0	350.0	275.0	3,330.5	109
Reclamation Regulatory Compliance (VB59)	-	250.0	-	-	-	-	250.0	110
RWDS Improvements (VB52)	(8,890.0)	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0	110
Sanitary Sewer Lateral Rehabilitation (VB67)	(50.4)	125.0	50.0	50.0	50.0	50.0	325.0	110
Secondary Clarifier Rehabilitation (VB64)	(1,609.5)	2,457.2	-	-	-	-	2,457.2	111
SROG Operations & Solids Improvements (VB57)	(26.0)	1,500.0	-	-	-	-	1,500.0	111
SROG Sewage Transmission Line (VB50)	(9,824.1)	30,466.9	-	-	-	-	30,466.9	111
SROG SRO / SAI Interceptor Odor Control (VB60)	(7.4)	10,760.0	-	-	-	-	10,760.0	112
* SROG Wastewater Treatment Plant (YB81)	(85.6)	500.0	-	-	-	-	500.0	112
* SROG Wastewater Treatment Plant (YC24)	-	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0	112
SROG Water Reclamation Capacity Management (VB55)	(568.6)	1,016.3	-	-	-	-	1,016.3	113
Wastewater Collection System Improvements (VB62)	(6,472.0)	26,787.7	3,950.0	3,811.4	3,993.5	4,000.0	42,542.6	113
Wastewater Impact Fees (VC01)	-	20.0	-	-	-	-	20.0	113
Wastewater Oversizing (VB53)	(1,832.0)	1,985.6	50.0	-	50.0	-	2,085.6	114
Wastewater Technology Master Plan (VB66)	-	240.0	-	-	100.0	-	340.0	114
Water Reclamation Participation Program (VB56)	(1,912.1)	3,350.0	-	-	750.0	-	4,100.0	114
Water Reclamation Security Enhancements (VB54)	(3,025.3)	3,466.0	380.0	300.0	400.0	350.0	4,896.0	115
Water Improvements								
Advance Water Treatment Plant Membranes - Water (WB65)	-	70.8	-	-	70.8	143.4	285.0	116
Air Park Zone 4 Water Transmission Main (TEMP1638)	-	-	250.0	1,450.0	-	-	1,700.0	116
Booster Pump Station 42B Infrastructure Improvements (WB67)	(185.0)	3,915.0	-	-	-	-	3,915.0	116
Booster Station Upgrades (WB76)	(4,778.9)	7,388.1	250.0	750.0	550.0	500.0	9,438.1	116
Campus/Central Arizona Project Drainage & Paving Improvements (Water) (WB73)	(28.9)	400.0	-	-	-	-	400.0	117
Chaparral Water Treatment Plant Intake Screens (WB62)	(1,413.5)	2,650.0	-	-	-	-	2,650.0	117
Chaparral Water Treatment Plant Membrane Communications System Upgrades (WB68)	(1,302.0)	1,625.0	-	-	-	-	1,625.0	117

*Recurring Capital Maintenance Projects.

Project Descriptions

(In thousands of dollars)

Project	Estimated Expenditures Thru 06/30/15	FY2015/16	FY2016/17	FY2017/18	FY2018/19	FY2019/20	Total	Page #
		Adopted	Forecast	Forecast	Forecast	Forecast		
Water Management								
Water Improvements								
Chaparral Water Treatment Plant Pretreatment (WB56)	(7,869.4)	28,154.1	-	-	-	-	28,154.1	118
Cross Roads East Water (WB50)	(2,424.5)	7,031.2	-	-	-	-	7,031.2	118
Deep Well Recharge/Recovery Facilities (WB61)	(899.3)	5,099.9	-	-	-	-	5,099.9	118
East Dynamite Area Transmission Main (TEMP1637)	-	-	450.0	4,350.0	-	-	4,800.0	119
Frank Lloyd Wright 24-inch Transmission Main & Booster Station 83B Modifications (WC03)	-	1,300.0	14,100.0	-	-	-	15,400.0	119
HVID - Harquahala Valley Irrigation District - Scottsdale Share (WC04)	-	1,150.0	-	-	-	-	1,150.0	119
Irrigation Water Distribution System Improvements (WB57)	(298.4)	2,250.0	750.0	-	-	-	3,000.0	119
IWDS / Harquahala Valley Irrigation District Property - Desert Mountain Golf Club (WB69)	(6,219.1)	9,692.0	-	-	-	-	9,692.0	120
IWDS / Harquahala Valley Irrigation District Property - Scottsdale National Golf Club (WB80)	(57.7)	4,345.0	-	-	-	-	4,345.0	120
Master Plan - Water (WB78)	(186.7)	902.7	-	-	450.0	-	1,352.7	120
Radio Telemetry Monitoring Automation Citywide - Water (WB60)	(2,179.7)	2,914.4	200.0	75.0	290.0	215.0	3,694.4	120
Removal and Replacement of Sodium Hypochlorite Generation System (WB64)	(970.4)	1,600.0	-	-	-	-	1,600.0	121
Site 71 Well Site and Water Booster Station (WB63)	(4,474.0)	5,000.0	-	-	-	-	5,000.0	121
Southwest Waterline Replacements (WB59)	(1,102.4)	1,215.0	-	-	-	-	1,215.0	121
Tonopah Recharge Basin (WB74)	(1,541.2)	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0	122
Water and Sewer System Optimization (WB55)	(1,478.1)	1,500.0	-	-	-	-	1,500.0	122
Water Campus Vadose Well Rehabilitation (WB79)	-	385.0	125.0	155.0	50.0	50.0	765.0	122
Water Distribution System Improvements (WB77)	(6,750.0)	27,624.2	9,000.0	10,000.0	9,000.0	6,500.0	62,124.2	123
Water Impact Fees (WC01)	-	20.0	-	-	-	-	20.0	123
Water Meter Replacement Program (WB66)	(1,331.5)	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0	123
Water Oversizing (WB53)	(7,771.7)	8,204.5	-	-	-	-	8,204.5	124
Water Participation Program (WB54)	(735.4)	2,000.0	-	-	750.0	-	2,750.0	124
Water Quality Regulatory Compliance Programs (WB52)	(1,443.5)	2,100.0	-	-	-	-	2,100.0	124
Water Resources Impact Fees (WC02)	-	20.0	-	-	-	-	20.0	125
* Water System Security Enhancements (YB80)	(422.6)	440.0	-	-	-	-	440.0	125
* Water System Security Enhancements (YC26)	-	460.0	430.0	410.0	280.0	400.0	1,980.0	125
Water Technology Master Plan (WB72)	(0.1)	360.0	-	-	150.0	-	510.0	125
Water Treatment Plant Membranes (WB71)	(455.9)	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0	126
Well Sites (WB75)	(94.6)	1,115.4	-	-	-	-	1,115.4	126
Well Sites Rehabilitation (WB51)	(2,053.0)	4,000.0	-	-	-	-	4,000.0	126
WestWorld Improvements (WB58)	(186.3)	900.0	-	-	-	-	900.0	126
Zone 14/16 Water Improvements Phase 2 (WB70)	(563.2)	14,471.3	-	-	-	-	14,471.3	127
Zone 2 Water System Improvements (WC05)	-	630.0	7,200.0	-	-	-	7,830.0	127
Zone 3W Water System Improvements (TEMP1639)	-	-	425.0	4,350.0	-	-	4,775.0	127

*Recurring Capital Maintenance Projects.

Advance Water Treatment Plant Membranes - Wastewater - (VB69)

Est. Completion: 12/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Water Campus

Project Type: Construction Related

Description: Provides for the replacement of water treatment membranes at the Advanced Water Treatment (AWT) Plant at the Water Campus.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	401.2	-	-	401.2	812.6	1,615.0
Total:	401.2	-	-	401.2	812.6	1,615.0

Campus Headworks Screen - (VB65)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$795.9)

Location: Citywide

Project Type: Construction Related

Description: Design and construct sewer lines, treatment plant work and rehabilitate sewer manholes in the aging sewer system per the Asset Management Program. Many of the sewer lines in the city have been in use for well over 30 years. The city is being proactive to avoid serious problems in the sewer system resulting from the aging infrastructure. In conjunction with the Asset Management Program, sewer lines will be videotaped to find potential problems, and design will be initiated to correct any identified problems. Additionally, this project will replace undersized sewer lines and provide new infrastructure to support higher intensity development associated with Downtown revitalization. This project will also include minor design, maintenance and construction modifications to various wastewater treatment plant infrastructure and lift stations as driven by findings of the division's System Asset Management Program.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	790.9	-	-	-	-	790.9
Sewer Rates	100.0	-	-	-	-	100.0
Total:	890.9	-	-	-	-	890.9

Campus/Central Arizona Project Drainage & Paving Improvements (Wastewater) - (VB68)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$109.7)

Location: Pima Road and Hualapai Drive

Project Type: Construction Related

Description: This project consists of designing and constructing engineered drainage features throughout the water campus property to collect and direct on-site stormwater to identified discharge points. Uncontrolled runoff currently contributes to nuisance flooding and risk to infrastructure during heavy rain. On-site paving improvements have been identified to improve staff mobility throughout the site which contributes to improved safety, security and operational reliability.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	1,600.0	-	-	-	-	1,600.0
Total:	1,600.0	-	-	-	-	1,600.0

Cross Roads East Wastewater - (VB51)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$282.9)

Location: 74th Street to Hayden Road, North of the 101 Loop.

Project Type: Construction Related

Description: Construct sewer lines within the area consistent with a development agreement. Advanced construction of streets within the Core North/Core South area by the city will require concurrent installation of sewer lines to provide service for future adjacent development.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Development Fees	4,112.9	-	-	-	-	4,112.9
Sewer Rates	100.0	-	-	-	-	100.0
Total:	4,212.9	-	-	-	-	4,212.9

Gainey Ranch WWTP Reuse Recharge - (VC03)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Mountain View Road and Scottsdale Road

Project Type: Construction Related

Description: Research and design pipelines for future recharge and recovery of treated reclaimed water.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	401.6	-	-	-	-	401.6
Total:	401.6	-	-	-	-	401.6

Hydrogen Sulfide Mitigation - (VB63)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,264.5)

Location: Citywide

Project Type: Construction Related

Description: Design and construct new odor control facilities at both the Sewer Pumpback System and Water Campus Headworks facility. The current odor control systems are approaching the end of their useful service life, thereby requiring extensive maintenance.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	4,800.0	-	-	-	-	4,800.0
Sewer Rates	211.7	-	-	-	-	211.7
Total:	5,011.7	-	-	-	-	5,011.7

Master Plan Water Reclamation - (VB70)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$356.4)

Location: Citywide

Project Type: Construction Related

Description: Provides for master plan updates for wastewater system management needs including federal regulatory impacts and capital project needs. Master planning activities include condition assessment analyses of existing sewer systems, lift stations, and treatment facilities, as well as updating operating manuals and standard operating procedures.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	945.5	-	-	350.0	-	1,295.5
Total:	945.5	-	-	350.0	-	1,295.5

Northeast Sewer Pumpback Station Sewerline Replacement, Site Wall to ADOT ROW - (VB61)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$602.8)

Location: Northeast Sewer Pumpback Station, at 87th Street and Sweetwater

Project Type: Construction Related

Description: Remove and replace existing force main pipeline from exterior of perimeter wall of Northeast Sewer Pumpback Station, under existing soundwall along Arizona Department of Transportation (ADOT) right of way (ROW).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	836.0	-	-	-	-	836.0
Sewer Rates	150.0	-	-	-	-	150.0
Total:	986.0	-	-	-	-	986.0

Radio Telemetry Monitoring Automation Citywide - Wastewater - (VB58)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$1,827.8)

Location: Citywide

Project Type: Construction Related

Description: Construct radio telemetry facilities at new and existing wastewater facilities to continue to improve operational efficiency through automation.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	2,305.5	200.0	200.0	350.0	275.0	3,330.5
Total:	2,305.5	200.0	200.0	350.0	275.0	3,330.5

Reclamation Regulatory Compliance - (VB59)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Water Campus

Project Type: Technology Related

Description: Provides for a regulatory compliance software program that will automate and streamline the city's aquifer protection and underground storage facility permits requirements. The program will import external laboratory results from the city's laboratory information system and track individual contaminant results and automatically provide alerts. The program will provide report writing functions that meet the current Arizona Department of Environmental Quality (ADEQ) self-monitoring requirements. This program will also be operated to track and manage the division's air quality permits.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	250.0	-	-	-	-	250.0
Total:	250.0	-	-	-	-	250.0

RWDS Improvements - (VB52)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$8,890.0)

Location: North of Central Arizona Project Canal

Project Type: Construction Related

Description: Provides for improvements to Reclaimed Water Distribution System (RWDS) pipeline pump stations and reservoirs. This project will be fully funded by the golf courses receiving reclaimed effluent from the Water Campus through the RWDS.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Reclaimed Water Distribution System Fund	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0
Total:	12,325.0	1,250.0	1,250.0	1,250.0	1,250.0	17,325.0

Sanitary Sewer Lateral Rehabilitation - (VB67)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$50.4)

Location: Citywide

Project Type: Construction Related

Description: Provides for the rehabilitation or replacement of failing sewer service laterals located within the public right-of-way.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	125.0	50.0	50.0	50.0	50.0	325.0
Total:	125.0	50.0	50.0	50.0	50.0	325.0

Secondary Clarifier Rehabilitation - (VB64)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,609.5)**Location:** Scottsdale Water Campus**Project Type:** Construction Related**Description:** Design and rehabilitate three secondary sewage clarifiers at the Water Campus. Due to the corrosive environment of the area within each clarifier, much of the internal structure has deteriorated and needs to be replaced to become fully operational. A portion of this project also involves the construction of a solids collection mechanism within each clarifier that will improve worker safety during routine operation.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	2,310.0	-	-	-	-	2,310.0
Sewer Rates	147.1	-	-	-	-	147.1
Total:	2,457.1	-	-	-	-	2,457.1

SROG Operations & Solids Improvements - (VB57)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$26.0)**Location:** Wastewater Treatment Plant, 91st Avenue in Phoenix, AZ**Project Type:** Construction Related**Description:** Provides for additional solids handling capacity due to new technology being utilized at the 91st Avenue Wastewater Treatment Plant located in Phoenix. The City of Scottsdale's proportionate share of cost is derived through an existing intergovernmental agreement with the Multi-City Sub-Regional Operating Group (SROG).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	1,500.0	-	-	-	-	1,500.0
Total:	1,500.0	-	-	-	-	1,500.0

SROG Sewage Transmission Line - (VB50)**Est. Completion:** 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$9,824.1)**Location:** Wastewater Treatment Plant, 91st Avenue in Phoenix, AZ**Project Type:** Construction Related**Description:** Provides for modifications and improvements to the Salt River Outfall (SRO) sewer line which transmits sewer flow approximately 26 miles from Scottsdale's city limits to the Multi-City 91st Avenue Wastewater Treatment Plant located in Phoenix. The City of Scottsdale's proportionate cost share is derived through existing intergovernmental agreements with the Multi-City Sub-Regional Operating Group (SROG).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	13,005.0	-	-	-	-	13,005.0
Sewer Rates	17,461.9	-	-	-	-	17,461.9
Total:	30,466.9	-	-	-	-	30,466.9

SROG SRO / SAI Interceptor Odor Control - (VB60)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** (\$7.4)

Location: Princess Meter Station, Curry Road and Stadem Drive in the Salt River Outfall (SRO) interceptor

Project Type: Construction Related

Description: The Salt River Outfall/Southern Avenue Interceptor (SRO/SAI) pipeline system is the major wastewater interceptor system conveying wastewater for the 5 Sub-Regional Operating Group (SROG) Partner Cities across the valley to the 91st Avenue Wastewater Treatment Plant. The first phase of this project is to complete a study and plan out the technology, timing and cost for odor control on the overall system.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	10,760.0	-	-	-	-	10,760.0
Total:	10,760.0	-	-	-	-	10,760.0

*** SROG Wastewater Treatment Plant - (YC24)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Wastewater Treatment Plant, 91st Avenue in Phoenix, AZ

Project Type: Construction Related

Description: Provides for modifications and improvements at the Multi-City 91st Avenue Wastewater Treatment Plant located in Phoenix. The City of Scottsdale's proportionate cost share is derived through existing intergovernmental agreements with the Multi-City Sub-Regional Operating Group (SROG).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0
Total:	1,025.0	1,000.0	750.0	750.0	300.0	3,825.0

*** SROG Wastewater Treatment Plant - (YB81)**

Est. Completion: N/A **Est. ITD Expenditures (Thru 06/15):** (\$85.6)

Location: Wastewater Treatment Plant, 91st Avenue in Phoenix, AZ

Project Type: Construction Related

Description: Provides for modifications and improvements at the Multi-City 91st Avenue Wastewater Treatment Plant located in Phoenix. The City of Scottsdale's proportionate cost share is derived through existing intergovernmental agreements with the Multi-City Sub-Regional Operating Group (SROG).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	500.0	-	-	-	-	500.0
Total:	500.0	-	-	-	-	500.0

SROG Water Reclamation Capacity Management - (VB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$568.6)

Location: Wastewater Treatment Plant, 91st Avenue in Phoenix, AZ

Project Type: Construction Related

Description: Provide for capital expansion, modifications and improvements to the regional wastewater conveyance facilities according to existing intergovernmental agreements with the Sub-Regional Operating Group (SROG). The City of Scottsdale will continue to send a portion of its wastewater to the regional 91st Avenue Wastewater Treatment Plant located in the City of Phoenix. Although the City of Scottsdale Water Reclamation Plant at the Water Campus was recently expanded, the city will continue to send the majority of its wastewater generated south of Doubletree Ranch Road alignment to the regional 91st Avenue Wastewater Treatment Plant.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	1,016.3	-	-	-	-	1,016.3
Total:	1,016.3	-	-	-	-	1,016.3

Wastewater Collection System Improvements - (VB62)

Est. Completion: 06/25 **Est. ITD Expenditures (Thru 06/15):** (\$6,472.0)

Location: Citywide

Project Type: Construction Related

Description: Design and construct sewer lines, complete treatment plant work and rehabilitate sewer manholes in the aging sewer system per the Asset Management Program. Many of the sewer lines in the city have been in use for well over 30 years. The city is being proactive to avoid serious problems in the sewer system resulting from the aging infrastructure. In conjunction with the Asset Management Program, sewer lines will be videotaped to find potential problems, and design will be initiated to correct any identified problems. Additionally, this project will replace undersized sewer lines and provide new infrastructure to support redevelopment associated with downtown revitalization. This project will also include minor design, maintenance and construction modifications to various wastewater treatment plant infrastructure and lift stations as driven by findings of the division's System Asset Management Program.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	12,189.4	-	-	-	-	12,189.4
Sewer Development Fees	661.2	-	-	-	-	661.2
Sewer Rates	13,937.0	3,950.0	3,811.4	3,993.5	4,000.0	29,691.9
Total:	26,787.6	3,950.0	3,811.4	3,993.5	4,000.0	42,542.5

Wastewater Impact Fees - (VC01)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Sewer fee study and audit requirements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Development Fees	20.0	-	-	-	-	20.0
Total:	20.0	-	-	-	-	20.0

Wastewater Oversizing - (VB53)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** (\$1,832.0)

Location: Citywide

Project Type: Construction Related

Description: Provides funds for the city to oversize lines and facilities to meet future ultimate capacity to Master Plan standards. The money is used when a resident/developer is required by City Code to extend a sewer line (typically an 8" sewer line) at the resident/developer cost, and the city wishes to use that opportunity to upsize the line to accommodate regional flows. The city pays the cost difference between the upsized line and the price the resident/developer would have paid to extend the sewer line in-kind.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
GO Bonds	192.2	-	-	-	-	192.2
Sewer Development Fees	1,638.9	-	-	-	-	1,638.9
Sewer Rates	154.5	50.0	-	50.0	-	254.5
Total:	1,985.6	50.0	-	50.0	-	2,085.6

Wastewater Technology Master Plan - (VB66)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Technology Related

Description: Water Resources will develop a ten year master plan to examine current capabilities and condition of our communications systems. The master plan will entail developing a roadmap to update, standardize and maintain integrated control systems including Supervisory Control and Data Acquisition (SCADA)/Telemetry infrastructure. The master plan effort will evaluate hardware/software, as well as study overall system resiliency.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	240.0	-	-	100.0	-	340.0
Total:	240.0	-	-	100.0	-	340.0

Water Reclamation Participation Program - (VB56)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** (\$1,912.1)

Location: Citywide

Project Type: Construction Related

Description: This program allows the city to administer pay-back agreements to assist residents connecting to the city's sewer collection system. Payback for the sewer extensions will be paid back over time with interest by the residents.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	3,350.0	-	-	750.0	-	4,100.0
Total:	3,350.0	-	-	750.0	-	4,100.0

Water Reclamation Security Enhancements - (VB54)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$3,025.3)

Location: Citywide

Project Type: Construction Related

Description: Enhance security at wastewater facilities throughout the city by upgrading existing prevention, detection and response systems. This project results from recommendations developed by a security survey of all wastewater facilities in the city. Enhancements to existing security measures were identified in the areas of access control, security personnel, surveillance, intrusion detection, site hardening and back-up power.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	3,466.0	380.0	300.0	400.0	350.0	4,896.0
Total:	3,466.0	380.0	300.0	400.0	350.0	4,896.0

Advance Water Treatment Plant Membranes - Water - (WB65)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Water Campus

Project Type: Construction Related

Description: Provides for the replacement of water treatment membranes at the Advanced Water Treatment (AWT) Plant at the Water Campus.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	70.8	-	-	70.8	143.4	285.0
Total:	70.8	-	-	70.8	143.4	285.0

Air Park Zone 4 Water Transmission Main - (TEMP1638)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Bell Road to Pima Road along the east side of the Loop 101 Corridor

Project Type: Construction Related

Description: Install 12 inch transmission piping from Bell Road to Pima Road along the east side of the Loop 101 Corridor.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	-	150.0	1,350.0	-	-	1,500.0
Water Rates	-	100.0	100.0	-	-	200.0
Total:	-	250.0	1,450.0	-	-	1,700.0

Booster Pump Station 42B Infrastructure Improvements - (WB67)

Est. Completion: 12/16 **Est. ITD Expenditures (Thru 06/15):** (\$185.0)

Location: Jomax Road and Pima Road

Project Type: Construction Related

Description: This project will address site improvements including the replacement of electrical and mechanical infrastructure that has reached the end of its useful service life. Booster pump station 42B is located at Pima and Jomax Roads and operates at pressures approaching 250 pounds per square inch and is a vital facility for supplying potable water to this portion of the city's Water Service Area.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	3,915.0	-	-	-	-	3,915.0
Total:	3,915.0	-	-	-	-	3,915.0

Booster Station Upgrades - (WB76)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$4,778.9)

Location: Multiple locations

Project Type: Construction Related

Description: Upgrade components of the water production system as needed to meet system demands. Booster pump stations are reaching capacity and additional pumps are required to meet demands. At some of the booster pump stations the equipment is old and parts are no longer available, therefore, new equipment is required.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	7,388.1	250.0	750.0	550.0	500.0	9,438.1
Total:	7,388.1	250.0	750.0	550.0	500.0	9,438.1

Campus/Central Arizona Project Drainage & Paving Improvements (Water) - (WB73)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$28.9)

Location: Pima Road and Hualapai Drive

Project Type: Construction Related

Description: This project consists of designing and constructing engineered drainage features throughout the Central Arizona Project (CAP) Water Treatment Plant property to collect and direct on-site stormwater to identified discharge points. Uncontrolled runoff currently contributes to nuisance flooding and risk to infrastructure during rainfall. On-site paving improvements have been identified to improve staff mobility throughout the site which contributes to improved safety, security and operational reliability.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	400.0	-	-	-	-	400.0
Total:	400.0	-	-	-	-	400.0

Chaparral Water Treatment Plant Intake Screens - (WB62)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,413.5)

Location: Chaparral Water Treatment Plant

Project Type: Construction Related

Description: Design and construct pretreatment infrastructure to meet stricter water quality regulations and improve operational performance given new challenges posed by deteriorating source water quality. Funds programmed are primarily targeted at immediately addressing infrastructure and operational needs to achieve compliance with tightened water quality rules.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	2,650.0	-	-	-	-	2,650.0
Total:	2,650.0	-	-	-	-	2,650.0

Chaparral Water Treatment Plant Membrane Communications System Upgrades - (WB68)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,302.0)

Location: Chaparral Water Treatment Plant

Project Type: Construction Related

Description: This project will modify the control systems for the submerged membrane system at the Chaparral Water Treatment Plant. The work will replace the Foundation Fieldbus (FF) Network with hard wired Input/Output (I/O). The project also requires replacement of the existing FF hardware with Allen-Bradley remote I/O hardware, and conversion/replacement of the field devices.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,625.0	-	-	-	-	1,625.0
Total:	1,625.0	-	-	-	-	1,625.0

Chaparral Water Treatment Plant Pretreatment - (WB56)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$7,869.4)

Location: Chaparral Water Treatment Plant

Project Type: Construction Related

Description: Design and construct pretreatment infrastructure to meet stricter water quality regulations and improve operational performance given new challenges posed by deteriorating source water quality. Funds programmed are primarily targeted at immediately addressing infrastructure and operational needs to achieve compliance with tightened water quality rules.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	28,154.1	-	-	-	-	28,154.1
Total:	28,154.1	-	-	-	-	28,154.1

Cross Roads East Water - (WB50)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2,424.5)

Location: 74th Street to Hayden Road, North of the 101 Loop.

Project Type: Construction Related

Description: Construct water lines within the area consistent with a development agreement. Advance construction of streets within the Core North and Core South area by the city that will require concurrent installation of water lines to provide service for future adjacent development. These lines are normally installed by the development community and will be reimbursed with development fees.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Development Fees	6,894.2	-	-	-	-	6,894.2
Water Rates	137.0	-	-	-	-	137.0
Total:	7,031.2	-	-	-	-	7,031.2

Deep Well Recharge/Recovery Facilities - (WB61)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$899.3)

Location: Multiple locations

Project Type: Construction Related

Description: Design and construct deep well water recharge and recovery facilities to ensure the long-term sustainability of the city's northern well field. The city will continue to use wells in its system to supply water to the community. For the city's 100 year water supply, the city is required to recharge water into its aquifers. This program will determine the best areas for this to occur. Initial testing has been completed, but the city would like to explore options further north of the Water Campus for this procedure.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	4,386.7	-	-	-	-	4,386.7
Water Resource Development Fees	713.2	-	-	-	-	713.2
Total:	5,099.9	-	-	-	-	5,099.9

East Dynamite Area Transmission Main - (TEMP1637)**Est. Completion:** 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** East Dynamite Corridor and 116th Street**Project Type:** Construction Related**Description:** Backbone piping in East Dynamite Area along 116th Street to support growth.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	-	350.0	4,250.0	-	-	4,600.0
Water Rates	-	100.0	100.0	-	-	200.0
Total:	-	450.0	4,350.0	-	-	4,800.0

Frank Lloyd Wright 24-inch Transmission Main & Booster Station 83B Modifications - (WC03)**Est. Completion:** 06/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Frank Lloyd Wright corridor from the vicinity of the Loop 101 and Bell Road to Shea Boulevard**Project Type:** Construction Related**Description:** Install 20,820 feet of 24-inch water transmission main in the Frank Lloyd Wright corridor and increase the pumping capacity at Booster Station 83B to address existing low operational capacities and pressures in Zone 02.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	1,200.0	14,000.0	-	-	-	15,200.0
Water Rates	100.0	100.0	-	-	-	200.0
Total:	1,300.0	14,100.0	-	-	-	15,400.0

HVID - Harquahala Valley Irrigation District - Scottsdale Share - (WC04)**Est. Completion:** 06/17 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Construction Related**Description:** Installation of water lines and recharge of wells.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,150.0	-	-	-	-	1,150.0
Total:	1,150.0	-	-	-	-	1,150.0

Irrigation Water Distribution System Improvements - (WB57)**Est. Completion:** 06/18 **Est. ITD Expenditures (Thru 06/15):** (\$298.4)**Location:** Citywide**Project Type:** Construction Related**Description:** Provides for improvements to the Irrigation Water Distribution System (IWDS) pipeline, pump stations, reservoirs and recharge wells. This project will be fully funded by the golf courses receiving Central Arizona Project water from the Water Campus through the IWDS.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Irrigation Water Distribution	-	750.0	-	-	-	750.0
Irrigation Water Distribution System	2,250.0	-	-	-	-	2,250.0
Total:	2,250.0	750.0	-	-	-	3,000.0

IWDS / Harquahala Valley Irrigation District Property - Desert Mountain Golf Club - (WB69)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$6,219.1)

Location: Irrigation Water Distribution System / Harquahala Valley Irrigation District Property

Project Type: Construction Related

Description: Provides for the construction of groundwater pumping wells and a transmission pipeline from the wells to the Central Arizona Project (CAP) canal in the Harquahala Valley. This project will be fully funded by the golf courses receiving water through the Irrigation Water Distribution System (IWDS).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Irrigation Water Distribution	9,692.0	-	-	-	-	9,692.0
Total:	9,692.0	-	-	-	-	9,692.0

IWDS / Harquahala Valley Irrigation District Property - Scottsdale National Golf Club - (WB80)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$57.7)

Location: Irrigation Water Distribution System / Harquahala Valley Irrigation District Property

Project Type: Construction Related

Description: Provides for the construction of groundwater pumping wells and a transmission pipeline from the wells to the Central Arizona Project (CAP) canal in the Harquahala Valley. This project will be fully funded by the golf courses receiving water through the Irrigation Water Distribution System (IWDS).

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Irrigation Water Distribution	4,345.0	-	-	-	-	4,345.0
Total:	4,345.0	-	-	-	-	4,345.0

Master Plan - Water - (WB78)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$186.7)

Location: Citywide

Project Type: Construction Related

Description: Provides for master plan updates for water system management needs including federal regulatory impacts and capital project needs. Master planning activities include condition assessment analyses of existing pipelines, reservoirs, pump stations and treatment facilities, as well as updating operating manuals and standard operating procedures.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	902.7	-	-	450.0	-	1,352.7
Total:	902.7	-	-	450.0	-	1,352.7

Radio Telemetry Monitoring Automation Citywide - Water - (WB60)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$2,179.7)

Location: Citywide

Project Type: Construction Related

Description: Construct radio telemetry facilities at new and existing water facilities to continue to improve operational efficiency through automation.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	2,914.4	200.0	75.0	290.0	215.0	3,694.4
Total:	2,914.4	200.0	75.0	290.0	215.0	3,694.4

Removal and Replacement of Sodium Hypochlorite Generation System - (WB64)

Est. Completion: 06/17 **Est. ITD Expenditures (Thru 06/15):** (\$970.4)

Location: Chaparral Water Treatment Plant

Project Type: Construction Related

Description: Upgrade the on-site chlorine generation system at the Chaparral Water Treatment Plant. The Assessment Management Program has identified that improvements are necessary to maintain disinfection capabilities at the plant. A newer technology will alleviate safety issues with the on-site generation of chlorine.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,600.0	-	-	-	-	1,600.0
Total:	1,600.0	-	-	-	-	1,600.0

Site 71 Well Site and Water Booster Station - (WB63)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$4,474.0)

Location: Site 71 Well and Booster Pump Station

Project Type: Construction Related

Description: Design of a new well site and booster pump station that will be a replacement for the original on-site well constructed in 1959 on the southeast corner of Thomas Road and Miller Road. The new well is an integral component of the North Indian Bend Wash (NIBW) Superfund remedy.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	5,000.0	-	-	-	-	5,000.0
Total:	5,000.0	-	-	-	-	5,000.0

Southwest Waterline Replacements - (WB59)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,102.4)

Location: Intersection of 56th Street and Thomas Road, and Sundown Drive between Shea Boulevard and Cactus Road

Project Type: Construction Related

Description: Replace existing undersized asbestos cement (AC) piping that is not in accordance with the city's current standards.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,215.0	-	-	-	-	1,215.0
Total:	1,215.0	-	-	-	-	1,215.0

Tonopah Recharge Basin - (WB74)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** (\$1,541.2)

Location: Various locations

Project Type: Construction Related

Description: With forecasted persistent drought conditions and projected rising Central Arizona Project (CAP) water rates, Water Resources plans to recharge the city's unused allocation of CAP water in the Central Arizona Water Conservation District's (CAWCD) established Tonopah Desert Recharge Project, the Superstition Mountain Recharge Project, the Granite Reef Underground Storage Project and the Salt River Project Groundwater Savings Facility. These facilities provide cost effective direct recharge and banks water storage credits that can be used to offset pumping used to meet customer demand during peak summer months or extended periods of drought. Pursuing this strategy now is critical since changes to state rules are anticipated as early as 2016 which may restrict the practice of recharging outside each water provider's own underlying aquifers.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0
Total:	6,370.0	2,500.0	2,600.0	2,600.0	-	14,070.0

Water and Sewer System Optimization - (WB55)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,478.1)

Location: Citywide

Project Type: Construction Related

Description: This project will develop optimization tools and strategies to prioritize surface water usage over well water usage, blending requirements and strategies overall water quality conditions and challenges, varying seasonal demands reliability, redundancy and fire flows and energy usage and costs.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Sewer Rates	600.0	-	-	-	-	600.0
Water Rates	900.0	-	-	-	-	900.0
Total:	1,500.0	-	-	-	-	1,500.0

Water Campus Vadose Well Rehabilitation - (WB79)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Scottsdale Water Campus

Project Type: Construction Related

Description: Provides for ongoing rehabilitation of Vadose Zone recharge wells at the Water Campus to cost effectively extend the useful life of these aging assets. The Vadose Well complex at the Water Campus serves to recharge advanced treated water for the purposes of future groundwater withdrawals. Systematic rehabilitation of the existing recharge wells will reinforce this sustainable practice.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	385.0	125.0	155.0	50.0	50.0	765.0
Total:	385.0	125.0	155.0	50.0	50.0	765.0

Water Distribution System Improvements - (WB77)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$6,750.0)

Location: Citywide

Project Type: Construction Related

Description: Improve the water distribution system due to system aging, and increasing demands attributed to downtown revitalization. The project includes replacement of mains, pressure regulating valves, meters and other valves, as well as the design and construction of new water mains at various locations throughout the distribution system to improve service and to reduce operating cost. Replacement of existing small mains (4-inches and smaller) is required to meet fire flow requirements as set forth by ordinance. This project will also include minor design, maintenance and construction modifications to various water treatment plant infrastructure, pump stations and storage tanks as driven by findings of the division's System Asset Management Program.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Development Fees	-	-	-	-	315.0	315.0
Water Rates	27,624.2	9,000.0	10,000.0	9,000.0	6,185.0	61,809.2
Total:	27,624.2	9,000.0	10,000.0	9,000.0	6,500.0	62,124.2

Water Impact Fees - (WC01)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Citywide

Project Type: Construction Related

Description: Water fee study and audit requirements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Development Fees	20.0	-	-	-	-	20.0
Total:	20.0	-	-	-	-	20.0

Water Meter Replacement Program - (WB66)

Est. Completion: 06/21 **Est. ITD Expenditures (Thru 06/15):** (\$1,331.5)

Location: Citywide

Project Type: Construction Related

Description: Provides for the purchase and installation of automated water meter equipment. The division is in the process of a multi-year transition from conventional-read water meters to automated metering devices for all customers.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0
Total:	3,484.0	2,230.0	2,230.0	2,230.0	2,230.0	12,404.0

Water Oversizing - (WB53)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$7,771.7)

Location: Citywide

Project Type: Construction Related

Description: Provides funds for the city to oversize lines and facilities to meet future ultimate capacity to Master Plan standards. The money is used when a resident/developer is required by City Code to extend a water line (typically an 8" water line) at the resident/developer cost, and the city wishes to use that opportunity to upsize the line to accommodate regional flows. The city pays the cost difference between the upsized line and the price the resident/developer would have paid to extend the water line in-kind.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Development Fees	7,657.2	-	-	-	-	7,657.2
Water Rates	547.3	-	-	-	-	547.3
Total:	8,204.5	-	-	-	-	8,204.5

Water Participation Program - (WB54)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** (\$735.4)

Location: Citywide

Project Type: Construction Related

Description: This program provides a funding mechanism to facilitate the extension of water lines as required by City Code. The program allows the city to administer pay-back agreements to assist single-family residences connecting to the city's water distribution system. As these pay-backs are settled in the future, the funding outlays made through this program will be re-paid to the city with interest.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	2,000.0	-	-	750.0	-	2,750.0
Total:	2,000.0	-	-	750.0	-	2,750.0

Water Quality Regulatory Compliance Programs - (WB52)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$1,443.5)

Location: Scottsdale Water Campus

Project Type: Construction Related

Description: This project will result in improvements to information management, control and acquisition systems to help ensure water quality compliance. The Laboratory Information Management System (LIMS), used to track all samples brought to the laboratory and the repository of all data generated in the laboratory, will be upgraded. The Regulatory Compliance Group currently manually manages the scheduling and sampling for compliance monitoring of wells, ground and surface water treatment plants and the water distribution system sampling stations. This process will be automated. Additionally, system optimization functionality will be incorporated via software upgrades to the Supervisory Control And Data Acquisition (SCADA) computerized system used to manage physical controls of the water distribution and wastewater collection systems.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	2,100.0	-	-	-	-	2,100.0
Total:	2,100.0	-	-	-	-	2,100.0

Water Resources Impact Fees - (WC02)**Est. Completion:** 06/16 **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Construction Related**Description:** Water resources fee study and audit requirements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Resource Development Fees	20.0	-	-	-	-	20.0
Total:	20.0	-	-	-	-	20.0

*** Water System Security Enhancements - (YB80)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** (\$422.6)**Location:** Citywide**Project Type:** Construction Related**Description:** Provides for security enhancements at water and wastewater facilities identified in the Water Resources Vulnerability Assessment, including upgrade of existing prevention, detection and response system as needed.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	440.0	-	-	-	-	440.0
Total:	440.0	-	-	-	-	440.0

*** Water System Security Enhancements - (YC26)****Est. Completion:** N/A **Est. ITD Expenditures (Thru 06/15):** \$0.0**Location:** Citywide**Project Type:** Construction Related**Description:** Provides for security enhancements at water and wastewater facilities identified in the Water Resources Vulnerability Assessment, including upgrade of existing prevention, detection and response system as needed.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	460.0	430.0	410.0	280.0	400.0	1,980.0
Total:	460.0	430.0	410.0	280.0	400.0	1,980.0

Water Technology Master Plan - (WB72)**Est. Completion:** 06/19 **Est. ITD Expenditures (Thru 06/15):** (\$0.1)**Location:** Citywide**Project Type:** Technology Related**Description:** Water Resources will develop a ten year master plan to examine current capabilities and condition of our communications systems. The master plan will entail developing a roadmap to update, standardize and maintain integrated control systems including Supervisory Control and Data Acquisition/Telemetry infrastructure. The master plan effort will evaluate hardware/software, as well as study overall system resiliency.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	360.0	-	-	150.0	-	510.0
Total:	360.0	-	-	150.0	-	510.0

Water Treatment Plant Membranes - (WB71)

Est. Completion: 06/20 **Est. ITD Expenditures (Thru 06/15):** (\$455.9)

Location: WasteWater Treatment Plant

Project Type: Construction Related

Description: Provides for the replacement of water treatment membranes at the Chaparral Water Treatment Plant, Central Arizona Project (CAP) Water Treatment Plant and Advanced Water Treatment Plant.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0
Total:	1,496.0	1,127.5	1,127.5	1,127.5	379.5	5,258.0

Well Sites - (WB75)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$94.6)

Location: Multiple locations

Project Type: Construction Related

Description: Design and construct new wells and upgrade existing wells at locations determined consistent with the Master Plan for water system demand. The city will still need to replace existing wells once the well has reached its useful life.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	1,115.4	-	-	-	-	1,115.4
Total:	1,115.4	-	-	-	-	1,115.4

Well Sites Rehabilitation - (WB51)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$2,053.0)

Location: Citywide

Project Type: Construction Related

Description: The wells in the city system are aging and need rehabilitation. The wells will be analyzed, chemically or mechanically cleaned and rehabilitated as necessary. The wells in the city are beneficial for future water needs of the City of Scottsdale and need to be working for peak water demands for summer use.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Rates	4,000.0	-	-	-	-	4,000.0
Total:	4,000.0	-	-	-	-	4,000.0

WestWorld Improvements - (WB58)

Est. Completion: 06/16 **Est. ITD Expenditures (Thru 06/15):** (\$186.3)

Location: McDowell Mountain

Project Type: Construction Related

Description: Provides for improvements to McDowell Mountain Golf Recharge Recovery pipeline, pump stations reservoirs, and recharge wells. This project is fully funded by the golf courses and city facilities receiving Central Arizona Project (CAP) water from the CAP Canal and delivered through the improvements.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
WestWorld Golf	900.0	-	-	-	-	900.0
Total:	900.0	-	-	-	-	900.0

Zone 14/16 Water Improvements Phase 2 - (WB70)

Est. Completion: 12/17 **Est. ITD Expenditures (Thru 06/15):** (\$563.2)

Location: Carefree Highway and Bartlett Road

Project Type: Construction Related

Description: Design and construct a 2.5 million gallon reservoir, booster pump station and install approximately 10,000 linear feet of 16" water line in Carefree Highway to Bartlett Road to serve Wildcat Hills in the far reaches of the city limits.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
Water Development Fees	14,446.3	-	-	-	-	14,446.3
Water Rates	25.0	-	-	-	-	25.0
Total:	14,471.3	-	-	-	-	14,471.3

Zone 2 Water System Improvements - (WC05)

Est. Completion: 06/18 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: East Shea Area

Project Type: Construction Related

Description: Retire Tank-36, Booster Pump Station 36 and Booster Pump Station 37. Replace pumps at Booster Pump Station 124 and add new pump(s) to directly supply Zone 5E. New pipeline and Pressure Reducing Valve to supply Zone 3E and 5E. Install New 20" pipeline along Frank Lloyd Wright Boulevard and replace Pressure Reducing Valve-145 with new upsized Flow Control Valve to increase capacity

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	530.0	7,100.0	-	-	-	7,630.0
Water Rates	100.0	100.0	-	-	-	200.0
Total:	630.0	7,200.0	-	-	-	7,830.0

Zone 3W Water System Improvements - (TEMP1639)

Est. Completion: 06/19 **Est. ITD Expenditures (Thru 06/15):** \$0.0

Location: Hayden and Frank Lloyd Wright

Project Type: Construction Related

Description: Improvements to the water system in the Airpark area due to growth driven capacity demands. The improvements include the installation of 12 inch, 20 inch and 30 inch transmission mains along Hayden and Frank Lloyd Wright.

Funding Sources (In thousands of dollars)	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	Total
MPC Bonds	-	325.0	4,250.0	-	-	4,575.0
Water Rates	-	100.0	100.0	-	-	200.0
Total:	-	425.0	4,350.0	-	-	4,775.0