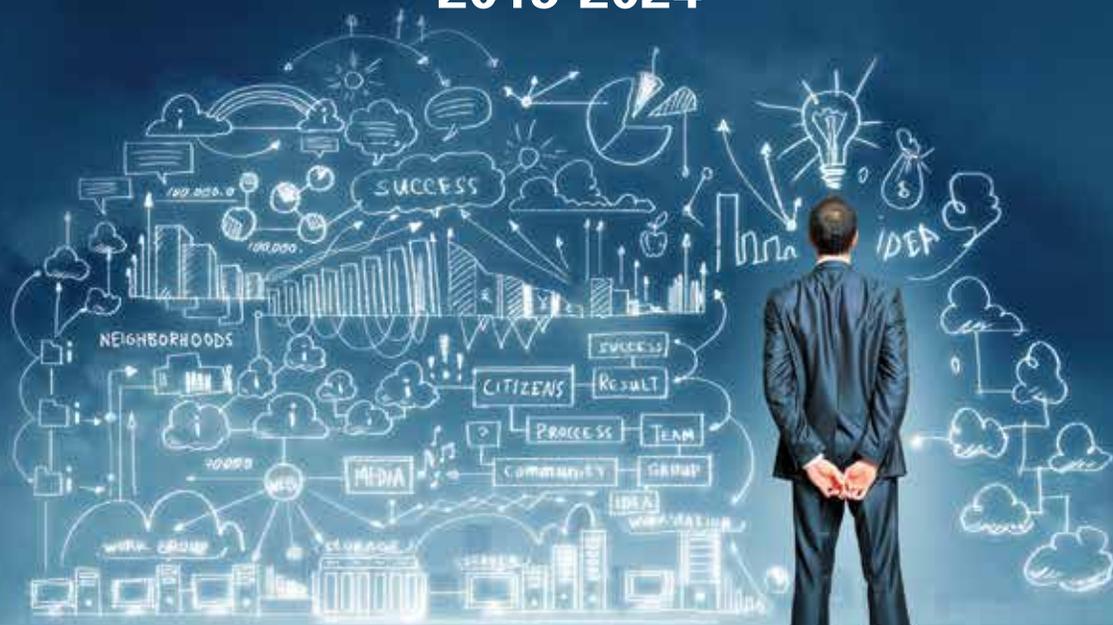


CHANDLER, ARIZONA

Fiscally Strong and On the Move



CITY OF CHANDLER CAPITAL IMPROVEMENT PROGRAM 2015-2024



Chandler • Arizona

Fiscally Strong and On the Move!

Few cities emerged from the Great Recession as quickly or resolutely as Chandler, Arizona. Through those very challenging years, the City was able to maintain a AAA Bond rating from each of the three national rating agencies, a rare feat given the economic uncertainty of those times. While unable to develop many new amenities or build new streets, City leaders were set on one goal, maintaining what we have – or pay the price years down the road.

This year's budget document highlights our rise from the fiscal storm with accelerated schedules to design and build new parks, construct new streets in Southeast Chandler and other infrastructure projects that will keep Chandler running smoothly for decades to come.

Yet, the budget is also a conservative one. It is a prudent plan that continues to follow a number of solid monetary policies that have served the community well for more than two decades. And now, as revenues begin to rise and the grey skies of the economy start to brighten, Chandler is confident enough to say we are *"Fiscally Strong and On the Move."*



City Council

Back row from left

Jeff Weninger, Jack Sellers, Kevin Hartke, Vice Mayor Rick Heumann

Front row from left

Trinity Donovan, Mayor Jay Tibshraeny, Nora Ellen

City Manager
Rich Dlugas

Management Services Director
Dawn Lang

Assistant City Managers
Marsha Reed
Nachie Marquez

Budget Staff
Greg Westrum, Budget Manager
Janet Northrup, Sr. Budget and Research Analyst
Julie Buelt, Sr. Financial Analyst
Courtney Friedline, Budget and Research Analyst
Helen Parker, Financial Analyst
Cat Dixon, Budget Management Assistant



Dear Chandler Resident:

I am honored to present to you the Fiscal Year 2014-15 budget for the City of Chandler. This financial plan is the product of a long and transparent process -- and many hours of work on the part of our City staff, the City Council, and you, the residents of Chandler. Through public meetings, surveys and our popular Budget Connect online forum, we have developed a thorough and prudent fiscal blueprint that this community can take great pride in.

Through decades of economic policy, Chandler has developed a solid financial footing that is the envy of many of our neighboring communities. We remain cautious in our forecast, but also optimistic that the worst of the recent financial troubles are behind us. Chandler weathered the Great Recession well and we emerge -- as the theme of this budget year proudly states -- "Fiscally Strong and On the Move."

The 2014-15 budget shows a slight increase from the prior year, and we again are able to fund new road projects in south Chandler, build parks, and maintain basic services and infrastructure. With that said, I am guardedly confident that we will continue to move in a positive direction with the economy in terms of our fiscal sustainability and growth.

This past year was a good one for the community. We opened Roadrunner Park, added amenities to existing parks like shade structures and lighting, and continued to enhance and develop neighborhood programs and resources. In February, I announced the winners of the inaugural Neighborhood Excellence Awards -- shining a light on the great things residents are doing throughout the community.

Arizona State University launched its Chandler Innovation Center in downtown Chandler in partnership with TechShop. Fed Ex broke ground on a new distribution center at the City's Airpark and General Motors is finishing construction on its technology center near the confluence of the 101 and 202 freeways. As I have said in the past, businesses find Arizona – and Chandler -- attractive because we do have a very talented workforce thanks in large part to a quality state university system that is producing a creative class of skilled labor at all levels.

Thanks to our management team and budget staff for their dedicated work to prepare a conservative and sensible plan. Thanks also to my fellow City Councilmembers. They remain fully dedicated and unified to an unrelenting excellence and life quality for our City and residents. We live in a great community. A place of opportunity for families and commerce alike. A place putting a premium on superior programs and services. And above all, a place I can confidently say is indeed fiscally strong and on the move.

Sincerely,

A handwritten signature in cursive script that reads "Jay Tibshraeny".

Jay Tibshraeny
Mayor



Chandler · Arizona
Where Values Make The Difference



Table of Contents

City Manager’s Message 1

Capital Improvement Program Overview 3

Capital Improvement Program (CIP) Process and Recommendations 4

Charts and Comparisons 5

Capital Improvement Program Funding – Where the Money Comes From 9

Capital Improvement Program – Where the Money is Spent 9

Projected Expenditure Summary 10

Resource Summary 11

Voter Bond Authorization 13

Capital Improvement Program Impact on Operating Budget 14

Unfunded Projects 15

General Government

Program Overview 17

Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding 20

10-Year Program Summary 24

CIP Map 25

Fire Station #1 Conversion 26

Existing City Building Renovation/Repairs 27

Fire Station Security Gates 28

Fleet Bays Cooling System 29

Information Technology Oversight Committee Projects 30

Replace Desktop Phones to Voice Over Internet Protocol 31

Enhanced Communication Speed for Remote Sites 32

Commercial Reinvestment Program 33

Downtown Redevelopment Programs 34

San Marcos Commons Phase II 35

South Washington Street Design 36

Vehicle Replacement (Over \$100,000) 37

Economic Development – Airport

Program Overview 39

Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding 43

10-Year Program Summary 44



City of Chandler
2015-2024 Capital Improvement Program

Table of Contents
(continued)

CIP Map.....45
Taxiway B Construction.....46
Airport Terminal Apron Improvement.....47
Airport Guidance Sign Replacement.....48
North Aircraft Apron Phase 2.....49
South Airport Apron Construction Phase I.....50
South Airport Apron Construction Phase II.....51
South Airport Apron Construction Phase III.....52
South Airport Apron Construction Phase IV.....53
Airport T-Shade Facility.....54
Access Road (South Apron Access).....55
Airport Security System Improvements.....56
Replace Tower Transceiver Radios.....57
Safety Area Improvements.....58
Storm Management FAA Required Environmental Assessment.....59
Stormwater Management Areas 1 & 3.....60
Stormwater Management Area 2.....61
Stormwater Management Areas 4 & 7.....62
Rehab North Terminal Apron Phase 1.....63
Rehab North Terminal Apron Phase 2.....64
Replace Fuel Tank.....65
APMS Pavement Improvements Taxiway.....66
APMS Pavement Improvements Runway.....67
APMS Pavement Improvements Taxiway 2.....68

Community Services

Program Overview.....69
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding.....72
10-Year Program Summary.....74
CIP Map.....75
Aquatic Facility Safety Renovations.....76
Existing Neighborhood Park Improvements/Repairs.....77
Museum.....78



City of Chandler
2015-2024 Capital Improvement Program

Table of Contents
(continued)

Homestead North Park Site	79
Homestead South Park Site	80
Existing Community Park Improvements/Repairs	81
Existing Recreation Center Improvements/Repairs	82
Fitness Equipment	83
Downtown Campus Improvements	84
Citrus Vista Park Site	85
Layton Lakes Park Site	86
Art Center Moving Stage Lights	87
Fire Department	
Program Overview	89
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding	90
10-Year Program Summary	91
CIP Map	92
Southeast Fire Station	93
Training Center Expansion Phase II	95
Fire Vehicles Over \$100,000	96
Rescue Vehicles	97
Police Department	
Program Overview	99
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding	100
10-Year Program Summary	101
CIP Map	102
Police Driver Training Facility	103
Radio System Narrow Band Conversion	104
Municipal Utilities – Water	
Program Overview	105
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding	107
10-Year Program Summary	108



City of Chandler
2015-2024 Capital Improvement Program

Table of Contents
(continued)

CIP Map.....	109
Main Replacements.....	110
Water Master Plan Update.....	111
Well Construction/Rehabilitation.....	112
Water System Upgrades w/Street Projects.....	113
Water Treatment Plant Improvements.....	114
Water Production Facility Improvements.....	115
Joint Water Treatment Plant.....	116
Water Rights Settlement.....	117
Well Remediation – Arsenic Systems.....	118
Intel Water Purchases.....	119
Water Purchases.....	120
 Municipal Utilities – Wastewater	
Program Overview.....	121
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding.....	123
10-Year Program Summary.....	124
CIP Map.....	125
Wastewater Master Plan Update.....	126
Water Reclamation Facility Expansion.....	127
Effluent Reuse – Storage & Recovery Wells.....	128
Effluent Reuse – Transmission Mains.....	130
Collection System Facility Improvements.....	131
Sewer Assessment and Rehabilitation.....	132
Wastewater System Upgrades w/Street Projects.....	133
Water Reclamation Facility Improvements.....	134
Lone Butte Wastewater Facility Replacement.....	135
Chandler Water Reclamation Facility.....	136
Reclaimed Water Conversions.....	137
 Municipal Utilities – Solid Waste	
Program Overview.....	139
Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding.....	140



City of Chandler
2015-2024 Capital Improvement Program

Table of Contents
(continued)

10-Year Program Summary141

CIP Map142

Solid Waste Service Facility Improvements.....143

Transportation & Development – Streets/Traffic

Program Overview145

Summary of FY 2013-14 Project Carryforward and FY 2014-15 New Project Funding150

10-Year Program Summary152

CIP Map154

South Arizona Ave Improvements155

Stormwater Management Master Plan156

Landscape Repairs157

Streetlight Additions and Repairs158

Street Repaving159

Miscellaneous Storm Drain Improvements160

Street Construction – Various Improvements161

Alma School Road/Chandler Boulevard Intersection.....163

New Traffic Signals.....164

McQueen Road (Queen Creek Rd to Riggs Rd)165

Queen Creek Road (McQueen Rd to Gilbert Rd)166

Chandler Heights Road (Arizona Ave to McQueen Rd)167

Ocotillo Road (Cooper Rd to 148th Street)169

Wall Repairs170

Downtown Storm Drain Improvements171

Cooper Road (Queen Creek Rd to Riggs Rd)172

Western Canal Crossing Improvements at UPRR173

General Plan Update174

Bike Lane Safety Improvements.....175

Route 56 Bus Shelters.....176

Traffic Controller Upgrade177

Flashing Yellow Arrows Installation178

4' Milling Head for Street Maintenance.....179

10-Wheel Dump Truck/ROW180



City of Chandler
2015-2024 Capital Improvement Program

Table of Contents
(continued)

Refurbish Vactor Truck.....	181
Chandler Heights Road (McQueen Rd to Val Vista Dr).....	182
Transportation & Development Vehicles (Over \$100,000).....	183
Alphabetical Project Listing	185



City of Chandler
2015-2024 Capital Improvement Program





City of Chandler
2015-2024 Capital Improvement Program



TO CHANDLER CITY COUNCIL AND CITIZENS:

I am pleased to submit to you the 2015-2024 Capital Improvement Program (CIP) for the City of Chandler. This document serves as a multi-year planning instrument to identify needs and financing sources for public infrastructure improvements. It also informs City residents of how the City plans to address significant capital needs over the next ten years.

At \$918 million, the total value of programs in the 2015-2024 CIP is somewhat smaller than the previous 10-year program. We continue to limit planned capital expansion until we are assured that we can support both the capital funding and any resultant increases in operating costs.

The 2015-2024 CIP also incorporates the use of the Infrastructure Maintenance Reserve (IMR) to help fund projects to maintain Chandler's existing infrastructure for parks capital maintenance, street repaving, and other streets capital projects. Council had the foresight to establish this reserve in Fiscal Year (FY) 2011-12 and added \$6 million to the reserve as part of the FY 2014-15 budget. The IMR will fund over \$32 million in capital maintenance projects over the next three years. Besides a focus on maintenance, the ten year CIP also incorporates new construction including four new neighborhood parks, the final section of improvements to McQueen Road that will widen that major arterial street to its southern limit at Riggs Road, and several key public safety infrastructure improvements. The CIP also includes major water and wastewater construction and infrastructure improvements to make sure Chandler can provide these critical public services for years to come.

While we are pleased to see these projects move forward, capital funding from bond sales and impact fees will continue to be a challenge over the next several years due to state legislation that limits property valuation increases, the implementation of a new Limited Property Value for primary and secondary tax levies, and anticipated lower impact fee revenues as Chandler moves towards build-out. Staff will continue to monitor property values and associated secondary tax levy projections very closely as legislation is implemented. As always, the ten year CIP will be re-evaluated as part of each annual budget and adjustments will be made as priorities and funding sources dictate.

Preparation of this CIP was the result of considerable effort on the part of Council, Departments, and the Budget Division. The CIP Coordination Team played a significant role in developing alternatives under different funding scenarios. I would like to thank everyone involved for their hard work and dedication in developing the best CIP possible for the citizens of Chandler.

Respectfully,

Rich Dlugas
City Manager



CAPITAL IMPROVEMENT PROGRAM (CIP) OVERVIEW

This document has been prepared in a manner that can be easily read and understood by the average reader without a financial background. The Capital Improvement Program (CIP) also provides a financial plan to assist the City Council and City management with meeting their long-term goals and objectives for the City by planning for capital improvements required to help provide quality services at the lowest cost to the citizens of Chandler. The 2015-2024 Adopted CIP document is divided into 10 sections.

1. CIP Overview, which contains the following subsections:

- a. CIP Process and Recommendations: This section explains the CIP process and unique aspects of the 2015-2024 CIP.
- b. Charts and Comparisons: This section provides information on various financial information associated with the CIP. Included are: Review of Secondary Assessed Values and the impact that changes in Secondary Assessed Value have on the CIP, comparisons of the total financial impact of the CIP compared to previous versions, a review of the various sources of funds used to finance the CIP, information on voter approved bond authorization and planned bond sales, and an analysis of the impact of the CIP on operations and maintenance budgets.
- c. Unfunded CIP Programs: This section lists projects that were included in the CIP at some point in the past, but are not currently funded in the 10-year program. The list is reviewed by Departments each year and projects are considered for inclusion in the CIP based upon available funds and other priorities.

Sections 2 through 10 provide both summary and detailed project information for each of the major program areas of the CIP.

2. **General Government (includes Buildings and Facilities, Information Technology, Economic Development, and Downtown Redevelopment)**
3. **Economic Development – Airport**
4. **Community Services Department**
5. **Fire Department**
6. **Police Department**
7. **Municipal Utilities Department – Water**
8. **Municipal Utilities Department – Wastewater**
9. **Municipal Utilities Department – Solid Waste**
10. **Transportation & Development – Streets & Traffic**

Each program section contains the following information:

- a. Departmental Capital Program Overview, Including Significant Changes
- b. Summary of Fiscal Year (FY) 2013-14 Project Carryforward and FY 2014-15 New Project Funding
- c. 10-Year Program Summary (Costs and Revenue Sources)
- d. Location Map
- e. Detailed Pages for Each Project with Description of Need and Funding Source(s)



CAPITAL IMPROVEMENT PROGRAM PROCESS AND RECOMMENDATIONS

The Adopted 2015-2024 Capital Improvement Program (CIP) has been developed with current economic conditions and financial forecasts in mind. The total amount of the 10-year program is approximately 2% less than the prior CIP. The CIP holds the line on total capital spending but adds neighborhood parks, continues arterial street improvements, and makes other required facility improvements and repairs. Additionally, capital funding for water projects has been increased in the later years of the CIP as the City moves towards residential build out and the focus turns to maintaining the water system infrastructure and providing contingency funding for water purchases, should that prove necessary.

The CIP Coordination Team met several times between December 2013 and February 2014 to evaluate all capital requirements and to establish funding plans to support the General Government capital projects. In early March, the City Council was provided an update on preliminary capital planning and provided feedback and direction on the general scope of the CIP. The overall direction remains to “maintain what we have” and to exclude any property tax increases from consideration in funding the 10-year plan.

The Adopted CIP continues the use of General Fund balance as a funding source, including the use of the Infrastructure Maintenance Reserve to offset limited General Obligation bond capacity. While the City has some limited debt capacity remaining, the current approach is not to add new debt until assessed values increase sufficiently to meet any new debt service costs. The Infrastructure Maintenance Reserve was implemented in Fiscal Year (FY) 2011-12 and will be utilized over the next three years to support infrastructure maintenance for parks, recreation centers, streets, and other aging infrastructure until such time as General Obligation bonding capacity improves. Six million dollars, \$2 million per year, has been added to the Infrastructure Maintenance Reserve for FY 2014-15 through FY 2016-17, specifically for Street Repaving.

The Adopted CIP includes new construction for arterial streets and new neighborhood parks in Southeast Chandler. These projects are primarily funded with impact fees and grants and have little or no General Fund or bond funding.

Enterprise Fund (Water, Wastewater, Solid Waste, and Airport) capital projects are planned for infrastructure maintenance, repair, expansion, or replacement and use a combination of operating funds, system development fees, and bonds to fund the projects. As self-supporting activities, these requirements are weighed against the cost of debt and the potential impact on rates and fees to ensure they can be financially supported.

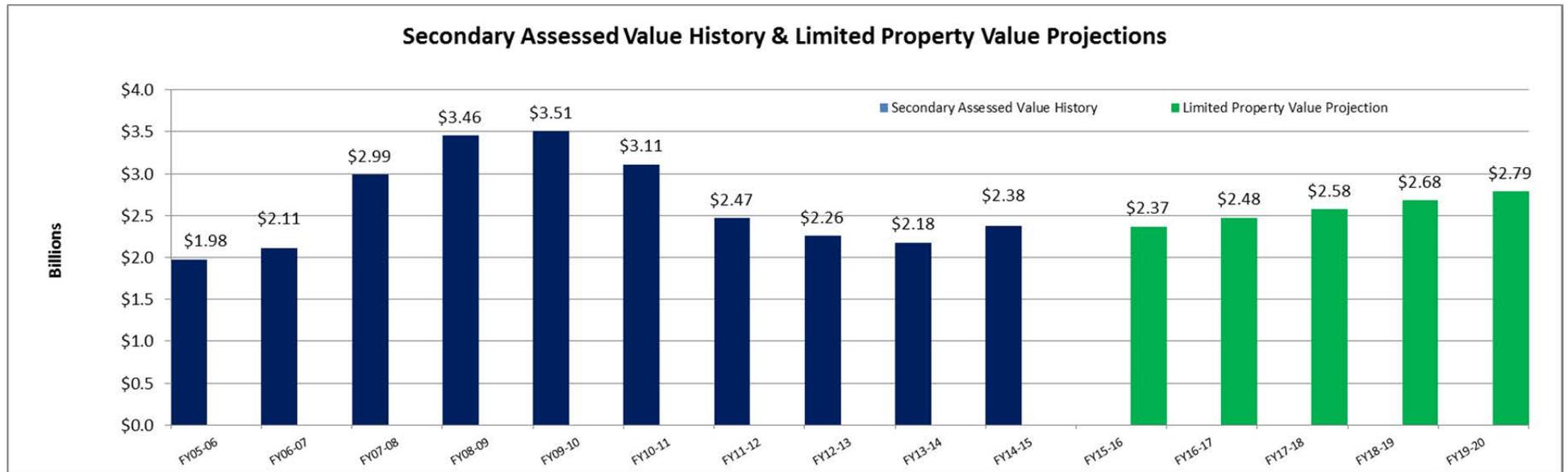
The following sections provide summary detail on the full capital program, followed by department-level detail on timing and funding for projects. Estimated carryforward appropriation is also shown for each project budget (amounts remaining to spend on projects in process). Carryforward amounts are estimated as of March 2014. Final carryforward amounts will be adjusted for any spending prior to the end of the fiscal year or encumbrances in place at the end of the fiscal year.



CHARTS AND COMPARISONS

ASSESSED VALUE HISTORY AND PROJECTION

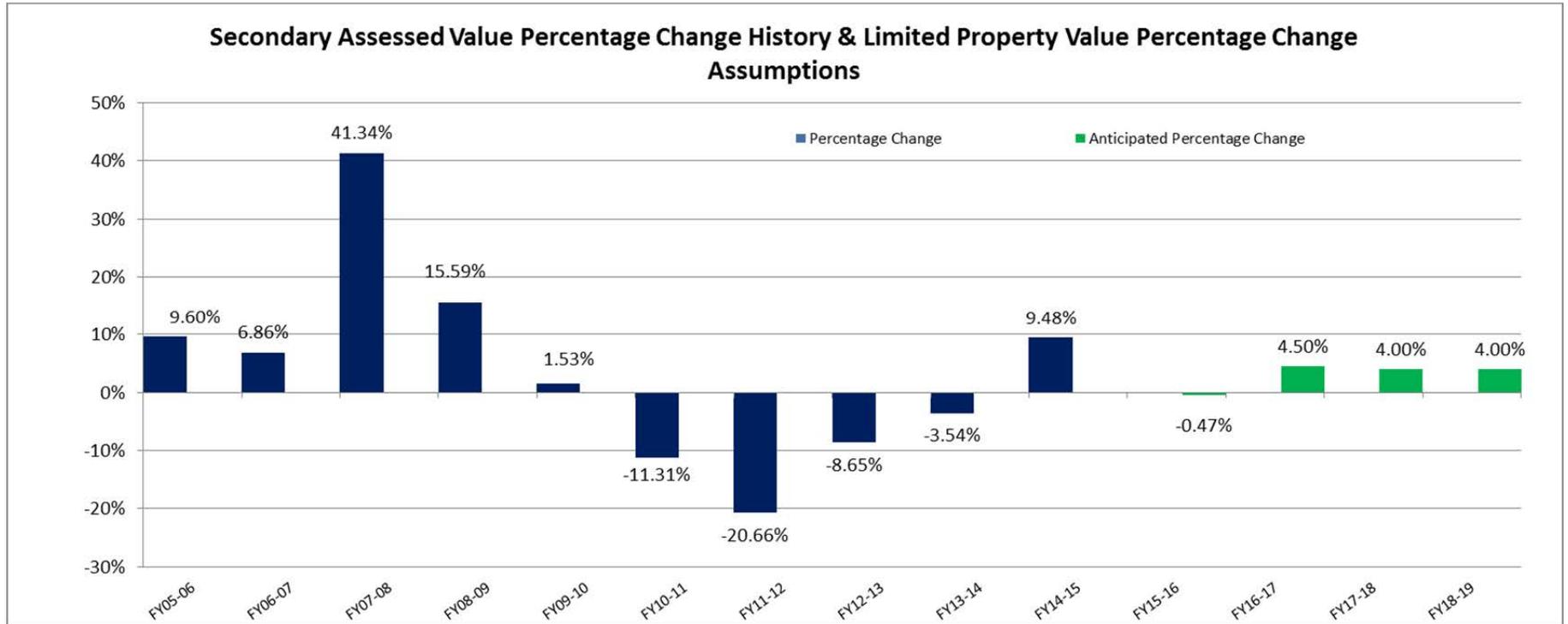
The graph below and the graph on the following page depict the 10-year history for Secondary Assessed Values in the City of Chandler. Assessed values peaked in Fiscal Year (FY) 2009-10 and decreased four consecutive years. Growth returned in FY 2014-15, as a result of new property added to the assessor rolls. Beginning in FY 2015-16, the State of Arizona will convert to a new system of Limited Property Valuation which creates a single value for both primary and secondary tax levies and places a cap on assessed value increases. The projected Limited Property Values are shown in green.



Changes in Limited Property Values will directly influence the City's Secondary Property Tax Levy, which drives the General Obligation bonding capacity to support capital projects. Under current assumptions, the next General Obligation bond sale will be in FY 2017-18.

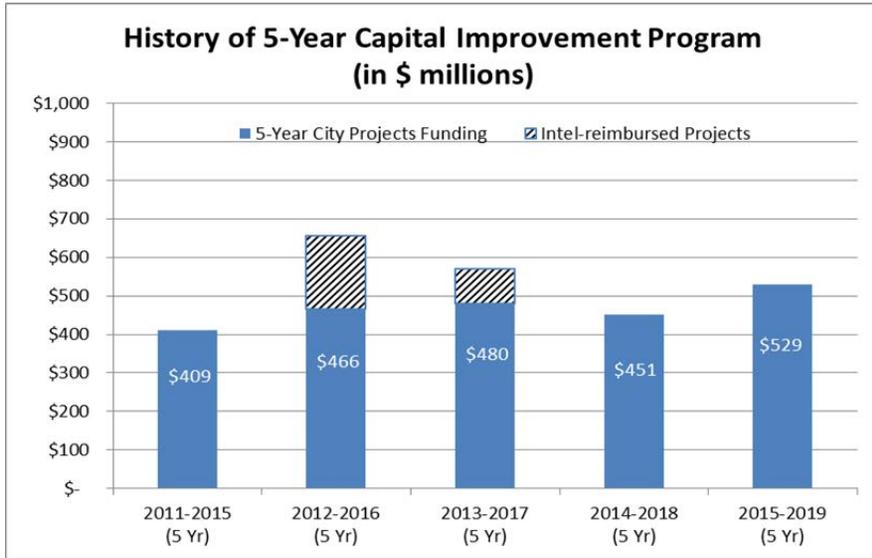
ASSESSED VALUE HISTORY AND PROJECTION (cont.)

This graph depicts the percentage change in Secondary Assessed Valuation for the last 10 years and 4 projected years of the new Limited Property Values. The largest percentage increase was 41.34% in Fiscal Year (FY) 2007-08, which was followed by two more years of growth, albeit at slower rates. Valuations started falling in FY 2010-11 and continued through FY 2013-14.

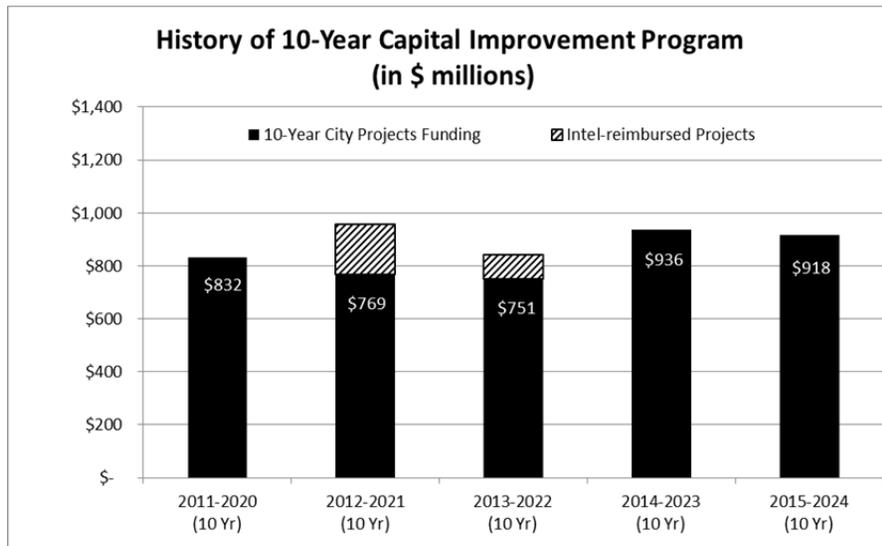


The projections used for developing the Capital Improvement Program are conservative with future changes of -0.47% in FY 2015-16, followed by 4.5% and 4% annual growth under the state’s new Limited Property Value formula that limits Assessed Values to 5% per year for appreciation, starting in FY 2015-16. Staff will continue to monitor this projection in collaboration with the Maricopa County Assessor, since new property added to the assessments is not included in this cap.

CAPITAL IMPROVEMENT PROGRAM HISTORICAL TREND



This chart reflects the change in the total value of the first five years of the past five versions of the Capital Improvement Program (CIP). The five year total in the Adopted 2015-2024 CIP is increasing by approximately \$78M over the previous version. This is primarily the result of continued advancement of street improvements into the first five years, expanded capital projects in the Water CIP, and advancement of several Neighborhood Parks. The dollar figures shown on the bars exclude the cost of projects that were 100% reimbursed by Intel as support for their recent expansion. The value of these projects is reflected by the diagonal bars.



This chart reflects the change in the total value of the 10 year Capital Improvement Program (CIP) for the past five versions of the CIP. The 10 year total in the Adopted 2015-2024 CIP is decreasing by approximately \$18M. This reflects that, while the first five years is larger, the total CIP is actually decreased as projects get completed and moved out of the CIP. The dollar figures shown on the bars exclude the cost of projects that were 100% reimbursed by Intel as support for their recent expansion. The value of these projects is reflected by the diagonal bars.



City of Chandler
2015-2024 Capital Improvement Program

COMPARISON TO PREVIOUS CAPITAL IMPROVEMENT PROGRAM

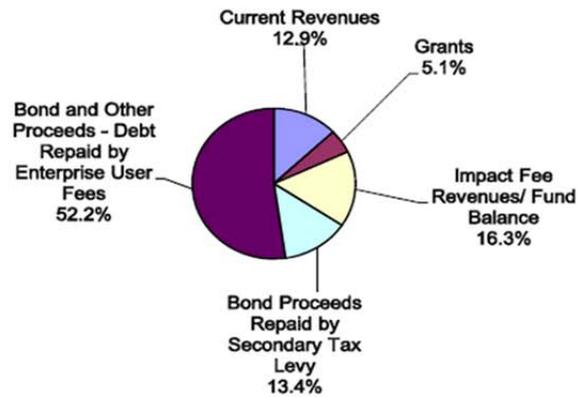
2015-2024 CIP Comparison to 2014-2023 CIP				
		2014-2023	2015-2024	% Change
Community Services	\$	47,085,665	\$ 32,774,710	-30%
Police		7,274,742	6,939,438	-5%
Fire		14,653,952	13,489,752	-8%
Transportation & Development		227,929,226	196,811,293	-14%
General Government		42,351,903	40,883,040	-3%
Total General Government		339,295,488	290,898,233	-14%
Municipal Utilities - Water		177,286,310	237,056,099	34%
Municipal Utilities - Wastewater		382,714,209	348,907,636	-9%
Municipal Utilities - Solid Waste		-	1,000,000	NA
Economic Development - Airport		36,439,500	40,539,764	11%
Total Enterprise Funds		596,440,019	627,503,499	5%
Grand Total	\$	935,735,507	\$ 918,401,732	-2%

This table reflects the change to various functional areas of the Capital Improvement Program (CIP) from the 2014-2023 CIP to the Adopted 2015-2024 CIP. As shown in the table above, most departments show a smaller total for capital improvements in the new CIP as projects are completed and fall out of the plan. A brief explanation of programs with increases from the 2014-2023 CIP are shown below:

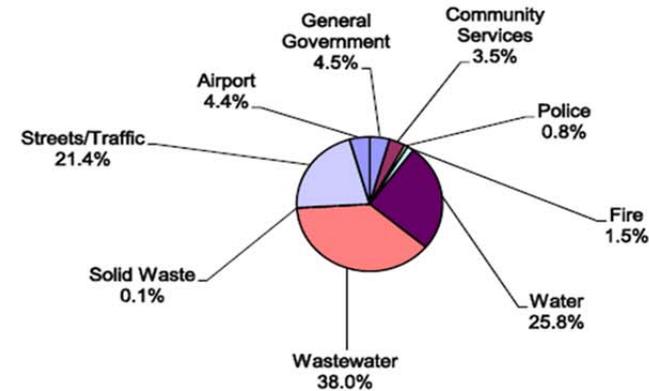
Municipal Utilities – Water: The 34% increase in the Water CIP is the result of adding funding for major infrastructure renovations in the second five years and the addition of Water Purchases to provide funding in case potable water requirements exceed existing resources.

Economic Development - Airport: The 11% increase in the Airport CIP is primarily due to the addition of several new CIP projects for runway and taxiway improvements and a project to replace the fuel tank and monitoring system.

WHERE THE MONEY COMES FROM



WHERE THE MONEY IS SPENT



The table above identifies the sources of funding for the 2015-2024 Adopted CIP:

- Current revenues include General Fund transfers, Highway User Revenue Fund (HURF), Local Transportation Assistance Fund (LTAF), and Enterprise Operating Funds.
- Grants include federal, state, and local grants for specific projects.
- Impact Fee Revenues/Fund Balance represents impact fee and system development fee revenues collected from developers and applied to growth projects. Revenues typically accumulate in fund balance and then are applied to future projects.
- Bond proceeds repaid by Secondary Tax Levy (General Obligation Bonds) and are backed by the full faith and credit of the City and require voter approval.
- Bonds proceeds and other debt obligation proceeds repaid by Enterprise Funds user fees and other revenues for Water, Wastewater, and Airport capital projects.

The table above identifies the proportion of the 2015-2024 CIP attributed to each major area:

- Airport capital includes a variety of projects to add to or improve airport infrastructure including aprons, taxiways, and access roads.
- General Government capital includes select projects from multiple departments that are primarily funded with General Funds. Included are Downtown Redevelopment, Commercial Reinvestment, certain Information Technology capital acquisitions, and major maintenance of City buildings and facilities.
- Community Services capital includes new construction of parks, other recreation and cultural facilities, and major maintenance projects for parks, recreation centers, libraries, and cultural facilities.
- Fire and Police capital programs include new facilities, facility renovations, and some major capital equipment purchases.
- Water, Wastewater, and Solid Waste capital are the major capital programs from the Municipal Utilities Department and include improvements to facilities and systems and one-time purchases of equipment related to these enterprise activities.
- Streets/Traffic capital includes road improvements, traffic signals and related traffic safety improvements, landscape upgrades, major repaving, and one-time purchases of equipment.



City of Chandler
2015-2024 Capital Improvement Program

PROJECTED EXPENDITURE SUMMARY

The table below reflects the major areas of funding for the Capital Improvement Program and the source of funds for the program over the 10-year period.

	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total	2019-24	10 Year Total
General Government:								
Buildings and Facilities	\$ 1,598,600	\$ 1,375,740	\$ 750,000	\$ 750,000	\$ 750,000	\$ 5,224,340	\$ 3,750,000	\$ 8,974,340
Information Technology and ITOC	1,381,500	729,450	700,000	500,000	500,000	3,810,950	2,500,000	6,310,950
Economic Development	-	500,000	500,000	500,000	500,000	2,000,000	2,500,000	4,500,000
Downtown Redevelopment	5,702,000	1,002,000	1,002,000	1,002,000	1,002,000	9,710,000	5,010,000	14,720,000
Airport	5,625,072	2,287,000	4,549,500	3,657,292	3,449,500	19,568,364	20,971,400	40,539,764
Vehicle Replacement Program (over \$100K)	-	500,000	-	1,480,300	600,300	2,580,600	3,797,150	6,377,750
Total - General Government	\$ 14,307,172	\$ 6,394,190	\$ 7,501,500	\$ 7,889,592	\$ 6,801,800	\$ 42,894,254	\$ 38,528,550	\$ 81,422,804
Community Services:								
Parks & Recreation	\$ 4,357,000	\$ 2,787,750	\$ 3,256,000	\$ 6,708,960	\$ 4,665,000	\$ 21,774,710	\$ 11,000,000	\$ 32,774,710
Total - Community Services	\$ 4,357,000	\$ 2,787,750	\$ 3,256,000	\$ 6,708,960	\$ 4,665,000	\$ 21,774,710	\$ 11,000,000	\$ 32,774,710
Public Safety:								
Police	\$ 440,090	\$ 440,090	\$ 440,090	\$ 5,619,168	\$ -	\$ 6,939,438	\$ -	\$ 6,939,438
Fire	750,000	-	-	5,333,800	-	6,083,800	7,405,952	13,489,752
Total - Public Safety	\$ 1,190,090	\$ 440,090	\$ 440,090	\$ 10,952,968	\$ -	\$ 13,023,238	\$ 7,405,952	\$ 20,429,190
Municipal Utilities:								
Water	\$ 32,939,040	\$ 44,875,059	\$ 14,737,000	\$ 13,205,000	\$ 57,985,000	\$ 163,741,099	\$ 73,315,000	\$ 237,056,099
Wastewater	19,190,000	120,705,000	12,700,000	8,250,000	14,067,000	174,912,000	173,995,636	348,907,636
Solid Waste	250,000	250,000	-	-	-	500,000	500,000	1,000,000
Total - Municipal Utilities	\$ 52,379,040	\$ 165,830,059	\$ 27,437,000	\$ 21,455,000	\$ 72,052,000	\$ 339,153,099	\$ 247,810,636	\$ 586,963,735
Transportation and Development:								
Streets/Traffic	\$ 27,744,017	\$ 22,574,876	\$ 23,650,000	\$ 17,489,000	\$ 21,141,000	\$ 112,598,893	\$ 84,212,400	\$ 196,811,293
Total - Transportation and Development	\$ 27,744,017	\$ 22,574,876	\$ 23,650,000	\$ 17,489,000	\$ 21,141,000	\$ 112,598,893	\$ 84,212,400	\$ 196,811,293
Grand Total CIP	\$ 99,977,319	\$ 198,026,965	\$ 62,284,590	\$ 64,495,520	\$ 104,659,800	\$ 529,444,194	\$ 388,957,538	\$ 918,401,732

2015-2024 CIP Resource Summary by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total	2019-24	10 Year Total
Current Revenues	\$ 34,980,594	\$ 20,649,581	\$ 17,605,461	\$ 7,485,380	\$ 6,239,909	\$ 86,960,925	\$ 31,765,045	\$ 118,725,970
Grants	6,329,176	6,979,975	3,789,412	4,701,977	4,190,891	25,991,431	20,033,977	46,025,408
Impact Fee Revenues/ Fund Balance	18,434,248	31,940,139	21,987,400	11,760,860	14,023,780	98,146,427	51,594,714	149,741,141
Bond Proceeds Repaid by Secondary Tax Levy	3,661,889	3,786,520	2,135,600	27,349,978	14,535,720	51,469,707	72,798,156	124,267,863
Bond and Other Proceeds - Debt Repaid by Enterprise User Fees	36,571,412	134,670,750	16,766,717	13,197,325	65,669,500	266,875,704	212,765,646	479,641,350
Total - All Revenues	\$ 99,977,319	\$ 198,026,965	\$ 62,284,590	\$ 64,495,520	\$ 104,659,800	\$ 529,444,194	\$ 388,957,538	\$ 918,401,732



City of Chandler
2015-2024 Capital Improvement Program

RESOURCE SUMMARY FOR 10-YEAR CAPITAL IMPROVEMENT PROGRAM

The table below depicts the detailed revenue sources that comprise the major resource categories of Current Revenues, Grants, Impact Fee/System Development Fees, Bond Proceeds Repaid by Secondary Levy, Bond and other Obligations repaid by Enterprise Fund Revenues, and Fund Balances used for the Capital Improvement Program.

	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total	2019-24	10 Year Total
Current Revenues								
401 General Government Capital Projects Fund	\$ 21,698,190	\$ 16,693,531	\$ 14,302,090	\$ 3,692,090	\$ 3,252,000	\$ 59,637,901	\$ 15,574,300	\$ 75,212,201
215 Highway User Revenue Fund (HURF)	2,046,000	2,486,000	2,250,000	2,250,000	2,250,000	11,282,000	11,509,000	22,791,000
216 Local Transportation Assistance Fund (LTAF)	13,278	-	-	-	-	13,278	-	13,278
404 Vehicle Replacement Fund	837,300	500,000	-	1,480,300	600,300	3,417,900	3,797,150	7,215,050
605 Water Operating	8,000,000	-	260,000	-	-	8,260,000	-	8,260,000
615 Wastewater Operating	250,000	-	-	-	-	250,000	-	250,000
625 Solid Waste Operating	250,000	250,000	-	-	-	500,000	500,000	1,000,000
632 ADOT Loans to Airport	1,163,500	602,000	641,500	-	-	2,407,000	-	2,407,000
635 Airport Operating	722,326	118,050	151,871	62,990	137,609	1,192,846	384,595	1,577,441
Total Current Revenues	\$ 34,980,594	\$ 20,649,581	\$ 17,605,461	\$ 7,485,380	\$ 6,239,909	\$ 86,960,925	\$ 31,765,045	\$ 118,725,970
Capital Grants								
417 Local Grants and Donations	\$ 134,000	\$ -	\$ -	\$ -	\$ -	\$ 134,000	\$ -	\$ 134,000
417 Federal Transportation Grants	2,564,880	5,428,775	150,000	1,250,000	1,250,000	10,643,655	-	10,643,655
417 Federal Aviation Grants	1,854,892	571,400	2,012,426	3,290,453	2,803,282	10,532,453	19,096,557	29,629,010
417 State Aviation Grants	1,775,404	979,800	1,626,986	161,524	137,609	4,681,323	937,420	5,618,743
Total Capital Grants	\$ 6,329,176	\$ 6,979,975	\$ 3,789,412	\$ 4,701,977	\$ 4,190,891	\$ 25,991,431	\$ 20,033,977	\$ 46,025,408
Impact Fee/SDF Revenues								
424 Park Impact Fees	\$ 1,932,000	\$ -	\$ 1,446,000	\$ 1,581,460	\$ 2,315,000	\$ 7,274,460	\$ -	\$ 7,274,460
415 Arterial Streets Impact Fees ⁽¹⁾	9,085,670	1,015,080	10,014,400	1,779,400	4,955,280	26,849,830	15,555,848	42,405,678
475 Fire Impact Fees	-	-	-	-	-	-	941,048	941,048
603 Water System Development Fees	4,201,578	13,105,059	8,192,000	8,400,000	2,000,000	35,898,637	3,700,000	39,598,637
604 Water Resources System Development Fees	-	4,000,000	-	-	-	4,000,000	-	4,000,000
614 Wastewater System Development Fees	600,000	13,820,000	-	-	4,753,500	19,173,500	31,397,818	50,571,318
610 Reclaimed Water System Development Fees	2,615,000	-	2,335,000	-	-	4,950,000	-	4,950,000
Total Impact Fee Revenues/Fund Balances	\$ 18,434,248	\$ 31,940,139	\$ 21,987,400	\$ 11,760,860	\$ 14,023,780	\$ 98,146,427	\$ 51,594,714	\$ 149,741,141

⁽¹⁾ Includes Proposition 400 reimbursements from projects completed in prior years.



City of Chandler
2015-2024 Capital Improvement Program

RESOURCE SUMMARY FOR 10-YEAR CAPITAL IMPROVEMENT PROGRAM (con't)

	2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Total	2019-24	10 Year Total
Bond and Other Debt Obligation Proceeds								
Paid by Secondary Levy or Dedicated Revenue								
420 Parks General Obligation Bond	\$ -	\$ 310,000	\$ -	\$ 2,350,000	\$ 2,350,000	\$ 5,010,000	\$ 11,000,000	\$ 16,010,000
435 Museum General Obligation Bond	-	277,750	-	2,777,500	-	3,055,250	-	3,055,250
411 Streets General Obligation Bond ⁽¹⁾	3,661,889	3,148,770	1,935,600	10,409,600	10,860,720	30,016,579	54,908,252	84,924,831
412 Stormwater General Obligation Bond	-	50,000	200,000	1,300,000	1,325,000	2,875,000	425,000	3,300,000
470 Fire General Obligation Bond	-	-	-	5,333,800	-	5,333,800	814,655	6,148,455
470 Fire Impact Fees*	-	-	-	-	-	-	5,650,249	5,650,249
460 Police General Obligation Bond	-	-	-	5,179,078	-	5,179,078	-	5,179,078
Total : Paid by Secondary Levy or Other Dedicated Revenue	\$ 3,661,889	\$ 3,786,520	\$ 2,135,600	\$ 27,349,978	\$ 14,535,720	\$ 51,469,707	\$ 72,798,156	\$ 124,267,863
Paid by Enterprise Fund Revenues								
601 Water Bonds	\$ 20,737,462	\$ 1,770,000	\$ 6,285,000	\$ 4,805,000	\$ 7,985,000	\$ 41,582,462	\$ 38,315,000	\$ 79,897,462
603 Water System Development Fees	-	30,000,000	-	-	48,000,000	78,000,000	31,300,000	109,300,000
610 Reclaimed Water System Development Fees	-	2,625,000	3,875,000	2,355,000	-	8,855,000	-	8,855,000
611 Wastewater Bonds	15,725,000	4,260,000	6,490,000	5,895,000	9,313,500	41,683,500	100,097,818	141,781,318
614 Wastewater System Development Fees	-	96,000,000	-	-	-	96,000,000	42,500,000	138,500,000
631 Airport Revenue Bonds	108,950	15,750	116,717	142,325	371,000	754,742	552,828	1,307,570
Total: Paid by Enterprise Funds	\$ 36,571,412	\$ 134,670,750	\$ 16,766,717	\$ 13,197,325	\$ 65,669,500	\$ 266,875,704	\$ 212,765,646	\$ 479,641,350
Total Bonds Paid by Secondary Levy, Dedicated Revenue, and Enterprise Funds	\$ 40,233,301	\$ 138,457,270	\$ 18,902,317	\$ 40,547,303	\$ 80,205,220	\$ 318,345,411	\$ 285,563,802	\$ 603,909,213
Total for Capital Improvement Program	\$ 99,977,319	\$ 198,026,965	\$ 62,284,590	\$ 64,495,520	\$ 104,659,800	\$ 529,444,194	\$ 388,957,538	\$ 918,401,732

⁽¹⁾ Includes Proposition 400 reimbursements from projects completed in prior years.



City of Chandler
2015-2024 Capital Improvement Program

VOTER BOND AUTHORIZATION

Chandler citizens have approved the sale of bonds supporting various capital projects in a series of bond questions voted on by the public. These bonds are repaid (principal and interest) by collections from the Secondary Property Tax Levy. The most recent bond election was in 2007, although some authorizations remain from voter authorization elections dating back to 1989. No new bond elections are currently planned, although the need for an election is evaluated each year in conjunction with the update of the Capital Improvement Program (CIP). As of July 1, 2014, available voter authorization and anticipated Fiscal Year (FY) 2014-15 bond sales are as follows:

Type of Voter Approved Debt	Available Authorization	Bond Sales Anticipated in FY 2014-15
Parks and Recreation	\$ 58,750,000	\$ -
Museum	12,730,000	-
Library	5,245,000	-
Public Buildings	9,960,000	-
Streets	125,926,000	-
Stormwater	4,204,000	-
Public Safety - Fire	10,371,000	-
Public Safety - Police	12,730,000	-
Airport	494,000	-
Landfill	4,935,000	-
Total:	\$ 245,345,000	\$ -

Other Debt*	Available	Anticipated 2014-15 Sales
Water	N/A	\$ -
Wastewater	N/A	-
Total:	N/A	\$ -

* Other Debt includes Excise Tax Revenue Obligation debt that does not require voter approval, and may be authorized by Council as described in the City's Debt Management policy incorporated into the Budget Policies, Process and Decisions section of the Budget document. When used to fund Water or Wastewater capital projects, the debt service is backed by General Fund excise tax revenues, but paid by dedicated Water and Wastewater user fees.

At this time, no General Obligation bond sales or other sales requiring voter authorization are planned for the first three years of the CIP. As currently proposed and with current revenue projections, the fourth year (FY 2017-18) would require a sale of Streets, Stormwater, Parks, and Museum General Obligation bond types to support planned projects. These requirements are evaluated each year and are subject to change as the CIP is updated annually.



City of Chandler
2015-2024 Capital Improvement Program

CAPITAL IMPROVEMENT PROGRAM IMPACT ON OPERATING BUDGET

The City of Chandler prepares a Capital Improvement Program (CIP) separately from the Operating Budget, however the two are closely linked. As part of the CIP, departments are asked to identify those capital projects that have an impact on the operating budget. As capital improvement projects are completed, operation and maintenance of these facilities must be addressed in the operating budget, which provides ongoing services to citizens. These ongoing costs, which may include additional staff, are adjusted annually to accommodate growth and inflation in maintaining or improving service levels. It is Chandler's policy that new projects should not be constructed unless sufficient operating revenues are available to cover the operating costs.

General Fund (101)	FTE's	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2024	Total
6GG609 Fire Station #1 Conversion		\$ -	\$ -	\$ 9,850	\$ 9,850	\$ 9,850	\$ 49,250	\$ 78,800
6GG646 Fleet Bays Cooling Improvements		-	20,700	20,700	20,700	20,700	103,500	186,300
6GG617 IT Oversight Committee Projects		24,000	35,500	35,500	35,500	35,500	177,500	343,500
General Government Total	0.00	\$ 24,000	\$ 56,200	\$ 66,050	\$ 66,050	\$ 66,050	\$ 330,250	\$ 608,600
6PR384 Museum	1.00	\$ -	\$ -	\$ -	\$ 80,387	\$ 218,499	\$ 1,161,312	\$ 1,460,198
6PR389 Homestead North Park Site		-	-	-	-	34,357	171,785	206,142
6PR390 Homestead South Park Site		-	-	-	-	-	254,995	254,995
6PR639 Citrus Vista Park Site		-	42,063	42,063	42,063	42,063	210,315	378,567
6PR640 Layton Lakes Park Site		-	-	-	31,357	31,357	156,785	219,499
Parks/Recreation Total	1.00	\$ -	\$ 42,063	\$ 42,063	\$ 153,807	\$ 326,276	\$ 1,955,192	\$ 2,519,401
6PD035 Police Driver Training Facility		-	-	-	-	305,351	876,755	1,182,106
Police Total	0.00	\$ -	\$ -	\$ -	\$ -	\$ 305,351	\$ 876,755	\$ 1,182,106
6FI611 Southeast Fire Station - Ocotillo/Gilbert	12.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,740,156	\$ 7,740,156
6FI634 Training Center Expansion		-	-	-	-	77,094	385,470	462,564
6FI642 Rescue Vehicles		71,754	27,754	27,754	27,754	27,754	138,770	321,540
Fire Total	12.00	\$ 71,754	\$ 27,754	\$ 27,754	\$ 27,754	\$ 104,848	\$ 8,264,396	\$ 8,524,260
6ST316 Alma School Road/Chandler Blvd Int		\$ -	\$ -	\$ 12,200	\$ 12,200	\$ 12,200	\$ 61,000	\$ 97,600
6ST478 McQueen Road (Queen Creek - Riggs)		-	30,800	30,800	30,800	30,800	154,000	277,200
6ST548 Queen Creek (McQueen - Lindsay)		-	-	-	-	15,300	76,500	91,800
6ST608 Chandler Heights (Arizona - McQueen)		-	-	-	-	-	61,600	61,600
6ST675 Cooper Road (Queen Creek - Riggs)		-	-	-	-	-	318,400	318,400
6ST691 Refurbish Vactor Truck		10,000	10,000	10,000	10,000	10,000	50,000	100,000
Streets/Traffic Total	0.00	\$ 10,000	\$ 40,800	\$ 53,000	\$ 53,000	\$ 68,300	\$ 721,500	\$ 946,600
Total General Fund	13.00	\$ 105,754	\$ 166,817	\$ 188,867	\$ 300,611	\$ 870,825	\$ 12,148,093	\$ 13,780,967
New Position (FTE) costs	13.00	\$ -	\$ -	\$ -	\$ 80,387	\$ 85,819	\$ 5,665,849	\$ 5,832,055
Ongoing costs		61,754	166,817	188,867	220,224	655,006	5,629,845	6,922,513
One-time costs		44,000	-	-	-	130,000	852,399	1,026,399
Total General Fund Increase	13.00	\$ 105,754	\$ 166,817	\$ 188,867	\$ 300,611	\$ 870,825	\$ 12,148,093	\$ 13,780,967



City of Chandler
2015-2024 Capital Improvement Program

CAPITAL IMPROVEMENT PROGRAM IMPACT ON OPERATING BUDGET (con't)

Enterprise Funds:

Water Operating Fund (605)		FTE's	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2024	Total
6WA334	Joint Water Treatment Plant		\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 3,481,148	\$ 4,081,148
Total - Water Operating Fund		0.00	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 3,481,148	\$ 4,081,148
New Position (FTE) costs		0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ongoing costs			-	-	-	-	600,000	3,481,148	4,081,148
One-time costs			-	-	-	-	-	-	-
Total Water Fund Increase		0.00	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 3,481,148	\$ 4,081,148
Wastewater Operating Fund (615)		FTE's	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2024	Total
6WW022	Water Reclamation Facility Expansion	8.00	\$ 269,591	\$ 2,917,613	\$ 2,946,014	\$ 2,982,727	\$ 3,021,278	\$ 20,755,571	\$ 32,892,794
6WW189	Effluent Reuse - Storage & Recovery Wells	1.00	-	-	178,179	238,230	250,144	1,559,058	2,225,611
6WW661	Chandler Water Reclamation Facility	8.00	-	-	-	3,170,591	3,340,911	19,383,673	25,895,175
Total - Wastewater Operating Fund		17.00	\$ 269,591	\$ 2,917,613	\$ 3,124,193	\$ 6,391,548	\$ 6,612,333	\$ 41,698,302	\$ 61,013,580
New Position (FTE) costs		17.00	\$ 257,860	\$ 705,882	\$ 812,462	\$ 1,524,817	\$ 1,612,852	\$ 9,357,611	\$ 14,271,484
Ongoing costs			11,731	2,211,731	2,311,731	4,866,731	4,999,481	32,340,691	46,742,096
One-time costs			-	-	-	-	-	-	-
Total Wastewater Fund Increase		17.00	\$ 269,591	\$ 2,917,613	\$ 3,124,193	\$ 6,391,548	\$ 6,612,333	\$ 41,698,302	\$ 61,013,580
Airport Operating Fund (635)		FTE's	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2024	Total
6AI238	Taxiway B Construction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,058	\$ 17,058
6AI653	N. Aircraft Apron Phase 2		-	1,370	1,439	1,511	1,586	9,201	15,107
6AI654	S. Apron Construction Phase I		-	-	-	-	-	24,056	24,056
6AI655	S. Apron Construction Phase II		-	-	-	-	-	9,981	9,981
6AI658	Airport T-Shade Facility		-	1,915	3,491	5,132	5,311	29,817	45,666
6AI660	Access Road (South Apron Access)		-	-	-	-	-	1,945	1,945
6AI662	Airport Security Gates and Cameras		-	706	742	778	817	4,741	7,784
Total - Airport Fund		0.00	\$ -	\$ 3,991	\$ 5,672	\$ 7,421	\$ 7,714	\$ 96,799	\$ 121,597
New Position (FTE) costs		0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ongoing costs			-	3,991	5,672	7,421	7,714	96,799	121,597
One-time costs			-	-	-	-	-	-	-
Total Airport Fund Increase		0.00	\$ -	\$ 3,991	\$ 5,672	\$ 7,421	\$ 7,714	\$ 96,799	\$ 121,597
Total-Enterprise Funds		FTE's	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2024	Total
Total-Enterprise Funds			\$ 269,591	\$ 2,921,604	\$ 3,129,865	\$ 6,398,969	\$ 7,220,047	\$ 45,276,249	\$ 65,216,325
Grand Total New Position (FTE) costs		17.00	\$ 257,860	\$ 705,882	\$ 812,462	\$ 1,524,817	\$ 1,612,852	\$ 9,357,611	\$ 14,271,484
Grand Total Ongoing costs			11,731	2,215,722	2,317,403	4,874,152	5,607,195	35,918,638	50,944,841
Grand Total One-time costs			-	-	-	-	-	-	-
Total Enterprise Funds Increase		17.00	\$ 269,591	\$ 2,921,604	\$ 3,129,865	\$ 6,398,969	\$ 7,220,047	\$ 45,276,249	\$ 65,216,325
Grand Total - Operations/Maintenance			\$ 375,345	\$ 3,088,421	\$ 3,318,732	\$ 6,699,580	\$ 8,090,872	\$ 57,424,342	\$ 78,997,292
Grand Total New Position (FTE) costs		30.00	\$ 257,860	\$ 705,882	\$ 812,462	\$ 1,605,204	\$ 1,698,671	\$ 15,023,460	\$ 20,103,539
Grand Total Ongoing costs			73,485	2,382,539	2,506,270	5,094,376	6,262,201	41,548,483	57,867,354
Grand Total One-time costs			44,000	-	-	-	130,000	852,399	1,026,399
Grand Total Increase - All Funds		30.00	\$ 375,345	\$ 3,088,421	\$ 3,318,732	\$ 6,699,580	\$ 8,090,872	\$ 57,424,342	\$ 78,997,292



City of Chandler
2015-2024 Capital Improvement Program

PROJECTS NOT FUNDED IN THE ADOPTED CAPITAL IMPROVEMENT PROGRAM (CIP)

(The following projects were shown in prior CIP's at one point in time and costs shown are estimated and would vary with inflation to the year of construction)

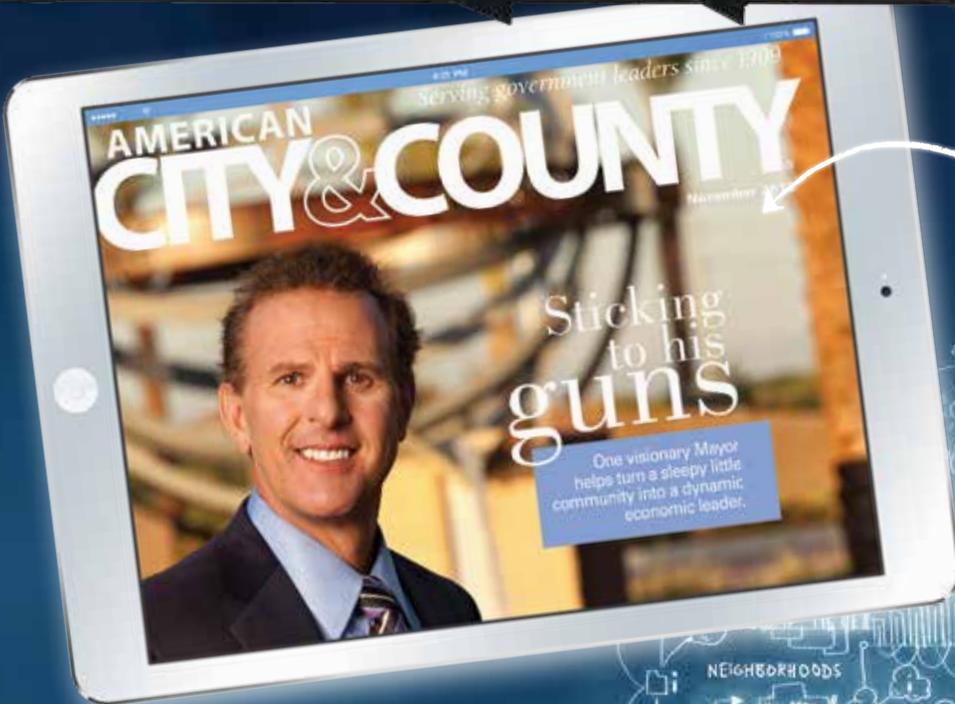
Department/Project Name	10 Year Total	Department/Project Name	10 Year Total
General Government		Transportation and Development	
Washington Street Parking Garage	\$ 6,036,591	Arizona Avenue (Ocotillo Road to Riggs Road)	\$ 22,614,500
		Bicycle Improvements	1,400,000
Community Services		Bus Stops and Bus Pullouts	350,000
Center for the Arts Improvements	\$ 6,000,000	Chandler Boulevard (Colorado St to McQueen Rd)	22,105,000
Mesquite Groves Park Site	31,115,516	Chandler Blvd/Kyrene Road Intersection	4,016,000
Lantana Ranch Park Site	9,279,938	Chandler Heights (McQueen to Val Vista)	48,954,983
Senior Center Expansion	1,096,581	Frye Road at Consolidated Canal	1,000,000
Shawnee Park Satellite Recreation Center	8,286,829	Lindsay Road (Ocotillo to Hunt Hwy)	7,470,000
Snedigar Sportsplex Recreation Center Expansion	4,364,157	McQueen Road Street Facilities	400,000
Tumbleweed Park - further development and expansion	22,527,860	Price and Santan Freeway Icon Painting	3,800,000
Library Renovation	12,000,000	Ray Road/Dobson Road Intersection	13,527,547
		Ray Road/Kyrene Road Intersection	13,525,000
Police		Ray Road/McClintock Drive Intersection	11,725,000
Police Training Facility	\$ 1,200,000	Ray Road/Rural Road Intersection	14,186,913
		Street Capacity and Safety Improvements	3,000,000
		Santan Freeway Upgrades to Reclaimed Water	750,000
		Summitt/Elliott Life Fitness Trail	3,219,000
			3,219,000
		Total Unfunded Projects:	\$ 273,951,415



City of Chandler
2015-2024 Capital Improvement Program



GENERAL GOVERNMENT



AAA BOND RATINGS
= FISCAL STRENGTH



Chandler • Arizona



City of Chandler
2015-2024 Capital Improvement Program

GENERAL GOVERNMENT CAPITAL PROGRAM OVERVIEW

The General Government Capital Improvement Program (CIP) incorporates a mix of capital projects for a variety of departments. Projects include infrastructure improvements and other major financial investments meeting the criteria for capital programs. Included is funding for Information Technology projects, Downtown Redevelopment projects, the Commercial Reinvestment program, and several projects that cross department lines and have been designated as General Government projects. The primary funding source is the General Government Capital Projects Fund, with additional funding from bond funds and enterprise operating funds.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 40,883,040	
2014-2023 Capital Program	\$ 42,351,903	
Difference	\$ (1,468,863)	-3.5%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

BUILDINGS AND FACILITIES

6GG609	Fire Station #1 Conversion	FY 2015-2024 Total	\$700,740	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$700,742		

Fire Station #1 on Hamilton Street is scheduled to relocate to a new location in southeast Chandler. As a result, the existing facility can be converted for use by other city departments. This project has been advanced by three years due to the acceleration of the construction of the new Fire Station #1. Advancement results in savings due to less inflation cost.

6GG628	Existing City Building Renovations/Repairs	FY 2015-2024 Total	\$7,723,000	% Change from Previous CIP	3%
		FY 2014-2023 Total	\$7,500,000		

This project renovates and repairs existing City facilities, many of which are over ten years old. Renovations include such items as painting, heating and cooling equipment, carpet replacement, and roof resurfacing. The increase is due to unforeseen repairs that are needed for existing buildings.

6GG644 (New)	Fire Station Security Gates	FY 2015-2024 Total	\$165,600	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will install security gates at Fire Stations with unsecured parking lots.

6GG646 (New)	Fleet Bays Cooling Improvements	FY 2015-2024 Total	\$385,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will install a cooling system to moderate workplace temperatures in fleet bays.



City of Chandler
2015-2024 Capital Improvement Program

INFORMATION TECHNOLOGY

6GG617	Information Technology Oversight Committee Projects	FY 2015-2024 Total	\$5,125,000	% Change from Previous CIP	9%
		FY 2014-2023 Total	\$4,683,750		

This program contains several new information technology projects recommended by the Information Technology Oversight Committee (ITOC).

6IT082	Replace Desktop Phones to VOIP	FY 2015-2024 Total	\$175,000	% Change from Previous CIP	-30%
		FY 2014-2023 Total	\$250,000		

This project will update the City's desktop phones to voice over internet protocol phones (VOIP) over four years. The project started in FY 2012-13.

6IT088 (New)	Enhanced Communication Speed for Remote Sites	FY 2015-2024 Total	\$1,010,950	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This three year project will install fiber optics to remote Fire Stations and Community Services locations to improve connectivity speed to City Services.

ECONOMIC DEVELOPMENT

6GG620	Commercial Reinvestment	FY 2015-2024 Total	\$4,500,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$4,500,000		

This program provides funding for selected businesses and organizations to upgrade buildings and other facilities. No funding is included for the first year.

DOWNTOWN REDEVELOPMENT

6GG619	Downtown Redevelopment	FY 2015-2024 Total	\$9,520,000	% Change from Previous CIP	-1%
		FY 2014-2023 Total	\$9,618,000		

This program includes funding for a variety of Downtown Redevelopment programs and projects. Included are: acquisitions, demolitions and associated real estate costs, maintenance activities for Downtown Chandler, and the Colonnade program.

6GG623	San Marcos Commons Phase II	FY 2015-2024 Total	\$5,000,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$5,000,000		

This program provides funding for the City's share of the design and construction of a parking garage at the southwest corner of Chandler Boulevard and Arizona Avenue under a development agreement approved by the City Council.

6GG639	South Washington Street Design	FY 2015-2024 Total	\$200,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$200,000		

This project is to initiate design for the South Washington Street area between Chicago Street and Pecos Road in FY 2014-15.



City of Chandler
2015-2024 Capital Improvement Program

VEHICLE REPLACEMENT PROGRAM

6GG632	Vehicle Replacement Fund (Vehicles over \$100,000 each)	FY 2015-2024 Total	\$6,377,750	% Change from Previous CIP	-15%
		FY 2014-2023 Total	\$7,484,411		

This program is part of a restructured Fleet Replacement Fund. Large vehicles, primarily fire trucks and bucket trucks, will be paid for through the CIP using funds available in the Fleet Replacement Fund. The 10-year funding varies from year to year depending on planned replacement schedules.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

The following project, shown in an earlier CIP, has been deferred to an undetermined future year. The project will be considered in future CIP's as revenues allow.

Public Parking Garage/Washington Street Parking Garage



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

		Non-Departmental - 1291			
		<i>Carryforward Appropriation</i>		<i>2014-15</i>	<i>2014-15</i>
		<i>Encumbered</i>	<i>Unencumbered</i>	<i>New</i>	<i>Total</i>
Proj #	Program	Purchase Orders	March 2014	Appropriation	Appropriation
6GG075	City Hall	\$ -	\$ 464,242	\$ -	\$ 464,242
6GG619	Downtown Redevelopment	-	2,047,894	502,000	2,549,894
6GG623	San Marcos Commons Phase II	-	2,797,269	5,000,000	7,797,269
6GG631	Solar Energy	-	824,442	-	824,442
6GG639	South Washington Street Design	-	-	200,000	200,000
Total CIP Capital Project Expenses		\$ -	\$ 6,133,847	\$ 5,702,000	\$ 11,835,847
Multiple	Miscellaneous Downtown Redevelopment		\$ 2,000,000	\$ 3,040,000	\$ 5,040,000
Multiple	Miscellaneous Strategic Opportunity	100,000	500,000	2,309,750	2,909,750
Total Non-CIP Capital Projects		\$ 100,000	\$ 2,500,000	\$ 5,349,750	\$ 7,949,750
Total Capital Project Expenses		\$ 100,000	\$ 8,633,847	\$ 11,051,750	\$ 19,785,597
Fund					
101	General Fund	\$ 100,000	\$ 2,500,000	\$ 5,349,750	\$ 7,949,750
401	General Govt Capital Projects Fund	-	6,133,847	5,702,000	11,835,847
Total Capital Project Funding		\$ 100,000	\$ 8,633,847	\$ 11,051,750	\$ 19,785,597



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING (con't)

Economic Development Capital - 1550					
Proj #	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6GG620	Commercial Reinvestment Program	\$ -	\$ 2,787,230	\$ -	\$ 2,787,230
Total Capital Project Expenses		\$ -	\$ 2,787,230	\$ -	\$ 2,787,230
Fund					
401	General Govt Capital Projects Fund	\$ -	\$ 2,787,230	\$ -	\$ 2,787,230
Total Capital Project Funding		\$ -	\$ 2,787,230	\$ -	\$ 2,787,230
City Manager - Building and Facilities Capital - 3210					
Proj #	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6GG609	Fire Station #1 Conversion	\$ -	\$ -	\$ 75,000	\$ 75,000
6GG628	Existing City Building Renovations/Repairs	35,000	107,000	973,000	1,115,000
6GG635	Tumbleweed Rec Center HVAC Modifications	-	204,080	-	204,080
6GG636	Trans. & Dev. Bldg HVAC and Remodel	200,000	500,000	-	700,000
6GG637	Police Property and Evidence Generator	50,000	208,000	-	258,000
6GG644	Fire Station Security Gates	-	-	165,600	165,600
6GG646	Fleet Bay Cooling System	-	-	385,000	385,000
Total Capital Project Expenses		\$ 285,000	\$ 1,019,080	\$ 1,598,600	\$ 2,902,680
Fund					
401	General Govt Capital Projects Fund	\$ 285,000	\$ 1,019,080	\$ 1,598,600	\$ 2,902,680
Total Capital Project Funding		\$ 285,000	\$ 1,019,080	\$ 1,598,600	\$ 2,902,680



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING (con't)

		ITOC Capital - 1285			
		<i>Carryforward Appropriation</i>		<i>2014-15</i>	<i>2014-15</i>
Proj#	Program	Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6GG617	IT Oversight Committee Projects	\$ -	\$ -	\$ 625,000	\$ 625,000
6IC001	Utility Billing System Upgrade	65,992	-	-	65,992
6IC003	CRM Software Upgrade	10,000	70,795	-	80,795
9IT046	EDMS Upgrade	-	101,928	-	101,928
6IC005	Electronic Plan Review	-	150,000	-	150,000
6IC020	E-Govern Pub Com Enhancements	-	17,510	-	17,510
6IC071	Electronic Payment Processing	29,000	-	-	29,000
6IC074	Application Standardization	100,108	371,420	-	471,528
6IC078	Common Business Name Analysis	-	20,000	-	20,000
6IC079	Upgrade EDMS Teleforms	-	68,500	-	68,500
6IC080	Accela Upgrade (included Digital Sign)	2,980	26,020	-	29,000
6IC081	Fleet Fuel Data Upload to Lucity	-	30,000	-	30,000
6IC083	Code Enforcement	-	52,428	-	52,428
6IC084	Oracle Reporting	-	100,000	-	100,000
6IC086	Brightworks Project Management Tool	24,368	-	-	24,368
6IC087	NEOGOV Human Resources Tool	7,000	-	-	7,000
000000	ITOC Contingency	-	116,811	-	116,811
Total Capital Project Expenses		\$ 239,448	\$ 1,125,412	\$ 625,000	\$ 1,989,860
Fund					
401	General Govt Capital Projects Fund	\$ 173,456	\$ 1,125,412	\$ 625,000	\$ 1,923,868
605	Water Operating Fund	41,575	-	-	41,575
615	Wastewater Operating Fund	17,818	-	-	17,818
625	Solid Waste Operating Fund	6,599	-	-	6,599
Total Capital Project Funding		\$ 239,448	\$ 1,125,412	\$ 625,000	\$ 1,989,860



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING (con't)

Information Technology Capital - 1287

Proj #	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6IT057	Microsoft XP OS & Office Upgrade	\$ 69,764	\$ 114,283	\$ -	\$ 184,047
6IT058	Data Center Improvements/Cooling	112,581	26,950	-	139,531
6IT080	SV8500 Telephone System	7,922	-	-	7,922
6IT082	Replace City Desktop Phones	-	-	75,000	75,000
6IT084	Redundant Internet Connectivity	156,120	-	-	156,120
6IC088	Project Management Consultants	100,000	-	-	100,000
6IT088	Enhanced Comm. Speed for Remote Sites	-	-	681,500	681,500
Total Capital Project Expenses		\$ 446,387	\$ 141,233	\$ 756,500	\$ 1,344,120
Fund					
401	General Govt Capital Projects Fund	\$ 446,387	\$ 141,233	\$ 756,500	\$ 1,344,120
Total Capital Project Funding		\$ 446,387	\$ 141,233	\$ 756,500	\$ 1,344,120



City of Chandler
2015-2024 Capital Improvement Program

GENERAL GOVERNMENT COST SUMMARY

Project Cost by Fiscal Year

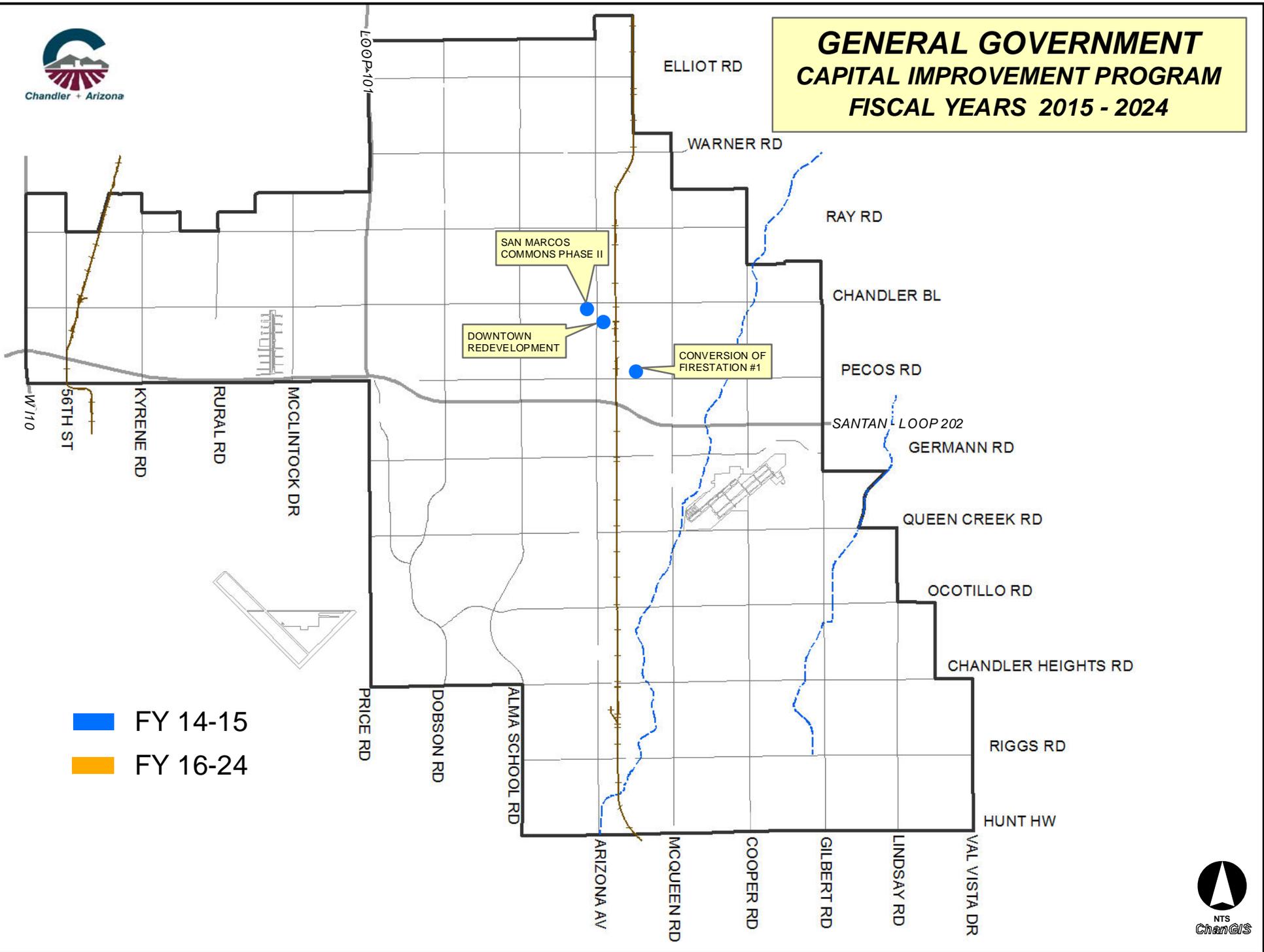
Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Buildings and Facilities									
6GG609	Fire Station #1 Conversion	\$ 75,000	\$ 625,740	\$ -	\$ -	\$ -	\$ 700,740	\$ -	\$ 700,740
6GG628	Existing City Building Renovations/Repairs	973,000	750,000	750,000	750,000	750,000	3,973,000	3,750,000	7,723,000
6GG644	Fire Station Security Gates	165,600	-	-	-	-	165,600	-	165,600
6GG646	Fleet Bays Cooling System	385,000	-	-	-	-	385,000	-	385,000
Information Technology									
6GG617	Info. Technology Oversight Committee Projects	625,000	500,000	500,000	500,000	500,000	2,625,000	2,500,000	5,125,000
6IT082	Replace Desktop Phones	75,000	100,000	-	-	-	175,000	-	175,000
6IT088	Enhanced Comm. Speed for Remote Sites	681,500	129,450	200,000	-	-	1,010,950	-	1,010,950
Economic Development									
6GG620	Commercial Reinvestment Program	-	500,000	500,000	500,000	500,000	2,000,000	2,500,000	4,500,000
Downtown Redevelopment									
6GG619	Downtown Redevelopment	502,000	1,002,000	1,002,000	1,002,000	1,002,000	4,510,000	5,010,000	9,520,000
6GG623	San Marcos Commons Phase II	5,000,000	-	-	-	-	5,000,000	-	5,000,000
6GG639	South Washington Street Design	200,000	-	-	-	-	200,000	-	200,000
Vehicle Replacement Program									
6GG632	Vehicle Replacement Program (+\$100,000)	-	500,000	-	1,480,300	600,300	2,580,600	3,797,150	6,377,750
Total - General Government		\$ 8,682,100	\$ 4,107,190	\$ 2,952,000	\$ 4,232,300	\$ 3,352,300	\$ 23,325,890	\$ 17,557,150	\$ 40,883,040

Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
General Government Capital Project Fund	\$ 8,682,100	\$ 3,607,190	\$ 2,952,000	\$ 2,752,000	\$ 2,752,000	\$ 20,745,290	\$ 13,760,000	\$ 34,505,290
Vehicle Replacement Fund	-	500,000	-	1,480,300	600,300	2,580,600	3,797,150	6,377,750
Total - General Government	\$ 8,682,100	\$ 4,107,190	\$ 2,952,000	\$ 4,232,300	\$ 3,352,300	\$ 23,325,890	\$ 17,557,150	\$ 40,883,040



GENERAL GOVERNMENT CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024



- FY 14-15
- FY 16-24



City of Chandler
2015-2024 Capital Improvement Program

Fire Station #1 Conversion	General Government	Project # 6GG609
-----------------------------------	---------------------------	-------------------------

The relocation of Fire Station #1 leaves the current facility available to be used by another City department. This allocation allows for initial design to be done in FY 2014-15 and construction in FY 2015-16 based on identifying a future need for the facility. The Operations and maintenance estimate is preliminary until a decision is made on the future use of the facility.

Estimated Total Project Cost: **\$700,740** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	8,200	0	0	0	0	0	0	0	0	\$8,200
Municipal Arts	\$0	5,450	0	0	0	0	0	0	0	0	\$5,450
Fees	\$0	34,000	0	0	0	0	0	0	0	0	\$34,000
Equipment	\$0	40,000	0	0	0	0	0	0	0	0	\$40,000
Design	\$75,000	0	0	0	0	0	0	0	0	0	\$75,000
Contingency	\$0	34,000	0	0	0	0	0	0	0	0	\$34,000
Construction	\$0	470,090	0	0	0	0	0	0	0	0	\$470,090
Construction Mgmt	\$0	34,000	0	0	0	0	0	0	0	0	\$34,000
Total	\$75,000	625,740	0	\$700,740							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Govt Capital Projects (401)	\$75,000	625,740	0	0	0	0	0	0	0	0	\$700,740
Total	\$75,000	625,740	0	\$700,740							

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	9,850	9,850	9,850	9,850	9,850	9,850	9,850	9,850	\$78,800
Total	\$0	0	9,850	\$78,800							



City of Chandler
 2015-2024 Capital Improvement Program

Existing City Building Renovations/Repairs **General Government** Project # 6GG628

The Buildings and Facilities Division is responsible for the maintenance of various City buildings. Each building owner allocates to Buildings and Facilities a square foot cost for maintenance of the facilities. This maintenance pays for the upkeep and repairs of the buildings but is not sufficient to replace large capital items. This project allocates funding for various upgrades and/or renovations to the City's existing buildings. This fiscal year the Buildings and Facilities Division organized a committee of building users who represent their Department's interests in the buildings they occupy. This committee, over a six month period, has carefully evaluated all requests for building repairs and improvements and prioritized the requests based on criteria agreed upon by the committee. This process has allowed for a fresh eye and fair approach to allocating annual funds for building repairs and improvements. Some of the repairs and improvements planned for FY 2014-15 are: Replacement of bay doors at Fire Station #3; exterior painting at the Chandler Center for the Arts and Transportation and Development buildings; flooring replacement at the Senior Center and Tumbleweed Recreation Center; replacement of the multi-purpose room wall partition at the Community Center and exterior repair at the Price House; refurbishing of the Transportation and Development chiller, and roof recoating at the Police Property and Evidence and Environmental Education Center buildings.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$973,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	\$7,723,000
Total	\$973,000	750,000	\$7,723,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$973,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	\$7,723,000
Total	\$973,000	750,000	\$7,723,000								



City of Chandler
 2015-2024 Capital Improvement Program

Fire Station Security Gates **General Government** Project # 6GG644

The majority of Fire Stations allow fire personnel to park their personal vehicles behind a security fence. Fire Stations #2, 4, 6, and 7 currently do not have security gates at their facilities. The Fire Department has reported several vehicle break ins over the last few years. They have requested that the remaining stations be equipped with security gates and fences. This decision package will provide for automated gates and additional fencing at these four fire stations which will provide the security that was requested.

Estimated Total Project Cost: **\$165,600** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$165,600	0	0	0	0	0	0	0	0	0	\$165,600
Total	\$165,600	0	\$165,600								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$165,600	0	0	0	0	0	0	0	0	0	\$165,600
Total	\$165,600	0	\$165,600								



City of Chandler
2015-2024 Capital Improvement Program

Fleet Bays Cooling System **General Government** Project # 6GG646

The Fire Department is responsible for the maintenance and repair of the entire City fleet. The fleet mechanic bays are located at the Armstrong Way Yard. During the summer months these bays are cooled by evaporative coolers. From July through September, temperature in the bays can range between 85-95 degrees and register humidity levels in the upper 80's, making it extremely difficult for the mechanics to perform their duties. Fire has asked for the fleet bays to be air conditioned. A mechanical engineer is currently evaluating the feasibility of the request. Funding will provide for design and construction of cooling all 12 mechanic bays, with utility costs added for the air conditioning starting in FY 2015-16.

Estimated Total Project Cost: **\$385,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Design	\$35,000	0	0	0	0	0	0	0	0	0	\$35,000
Construction	\$350,000	0	0	0	0	0	0	0	0	0	\$350,000
Total	\$385,000	0	\$385,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$385,000	0	0	0	0	0	0	0	0	0	\$385,000
Total	\$385,000	0	\$385,000								

Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	20,700	20,700	20,700	20,700	20,700	20,700	20,700	20,700	20,700	\$186,300
Total	\$0	20,700	\$186,300								



City of Chandler
2015-2024 Capital Improvement Program

Information Technology Oversight Committee Program **General Government** Project # 6GG617

The Information Technology Oversight Committee (ITOC) consists of Department Directors and is responsible for evaluating Information Technology (IT) related projects that are brought forward by City Departments and assessing the technology architecture changes the projects propose. The committee also ensures that the City's approved ITOC projects and programs effectively support the City's business objectives and strategies.

FY 2014-15 - Total of One-time \$625,000 and Ongoing \$24,000:

A) Electronic Payment Process - PEPPI (Oracle backfill resource): One-time \$30,000

B) User Productivity Kit User Licenses & Maintenance: One-time \$150,000 and ongoing \$24,000

C) Business License: One-time \$200,000

D) Agenda Management Analysis: One-time \$30,000

E) GIS As-Built Database Re-write: One-time \$80,000

F) Utility Tracking Program Software One-time \$135,000 and ongoing \$11,500 starting in FY 2015-16

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Computer Software	\$625,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$5,125,000
Total	\$625,000	500,000	\$5,125,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$625,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$5,125,000
Total	\$625,000	500,000	\$5,125,000								

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$24,000	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	\$343,500
Total	\$24,000	35,500	\$343,500								



City of Chandler
 2015-2024 Capital Improvement Program

Replace Desktop Phones to Voice Over Internet Protocol **General Government** Project # 6IT082

However, the count and amounts for future fiscal years will change accordingly as the network infrastructure changes. Perform a phased approach to updating the City's desktop phones to Voice Over Internet Protocol (VOIP) phones. A total of 366 phones have been replaced to date and an additional 434 will be replaced in the next two fiscal years. As other City locations become VOIP ready, the count will most likely increase. NEC no longer supports the existing digital phones. This will allow Information Technology (IT) to continue to improve the phone system with convergence of both phone and data on the City's network infrastructure. Based on the current network infrastructure conditions, the project was funded as follows:

Fiscal Year	Number of Phones	Amount
2012-13	166	\$50,000
2013-14	200	\$75,000
2014-15	200	\$75,000
2015-16	234	\$100,000

However, the count and amounts for future fiscal years will change accordingly as the network infrastructure changes.

Estimated Total Project Cost: **\$299,811** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	Total
Equipment	\$75,000	100,000	0	0	0	0	0	0	0	0	\$175,000
Total	\$75,000	100,000	0	\$175,000							

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	Total
General Govt Capital Projects (401)	\$75,000	100,000	0	0	0	0	0	0	0	0	\$175,000
Total	\$75,000	100,000	0	\$175,000							



City of Chandler
2015-2024 Capital Improvement Program

Enhanced Communication Speed for Remote Sites **General Government** **Project # 6IT088**

In FY 2013-14, IT worked with Fire to improve communication speeds at the fire stations throughout the City. The plan envisioned using enhanced leased services from the City’s communication provider that would require additional ongoing funding. This request was partially funded and further details and site surveys were undertaken. At the same time, cost estimates were obtained to identify the work necessary to bring all of these sites onto City owned fiber optic cable and eliminate the ongoing leased service cost. Based on the costs identified for the enhanced leased services and the construction costs necessary at the sites versus the cost of connecting the sites to City owned fiber optic cable, the payback is less than 8 years on the ongoing costs alone. In addition, Community Services is looking to increase communication speeds at their locations.

The faster speeds are necessary at these sites due to several needs including distance learning, improved graphic based systems and additional web based solutions recently installed. The City sites identified below are the remaining locations where it is economically feasible to utilize City owned fiber optic cable infrastructure to provide high speed connectivity. The implementation plan broken down by fiscal year is based on street project timing as well as high speed connectivity. The list of sites for FY 2015-16 are:

- Arrowhead Aquatic Center Fire Station No.5 McCullough-Price House
- Hamilton Aquatic Center Fire Station No.6 Nozami Aquatic Center
- Fire Station No.2 Fire Station No.7 Snedigar Recreation Center
- Fire Station No.3 Fire Station No.8 Fire Station No.4
- Fire Station No.10

The funding request for FY 2016-17 is to provide redundant connectivity for major sites to reduce the risk of an outage of City services due to a cable cut. This request also includes adding additional fiber optic cable along several key paths. This increase is due to the expansion of the City's communication needs beyond the capacity of the early fiber optic cable installed many years ago.

This CIP request eliminates CIP-101.4580-14-4305, project 6PR632 scheduled for funding in FY 2015-16.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Other Professional Services	\$681,500	129,450	200,000	0	0	0	0	0	0	0	\$1,010,950
Total	\$681,500	129,450	200,000	0	\$1,010,950						

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$681,500	129,450	200,000	0	0	0	0	0	0	0	\$1,010,950
Total	\$681,500	129,450	200,000	0	\$1,010,950						



City of Chandler
 2015-2024 Capital Improvement Program

Commercial Reinvestment Program **General Government** Project # 6GG620

Recognizing a need to reinvest in older shopping centers/retail buildings, the Chandler City Council approved a Commercial Reinvestment Program (CRP) in 2001 to encourage private reinvestment in existing centers that resulted in upgrading the appearance of these centers while also lowering the vacancy rates in the community. In February 2009, the City Council approved a new Infill Incentive Plan and approved changes to the CRP. These changes primarily shift the focus of the program to projects that redevelop all or a significant portion of an existing commercial center in order to introduce new and/or additional uses such as residential and/or office components. This new focus recognizes some of the City's existing commercial sites may no longer represent the highest and best use of the property, and redevelopment of these sites may have significant positive impacts on the community. Funding for the CRP is being carried forward from FY 2013-14 and was not requested in FY 2014-15. Requests for funding in future years is dependent on projects that come forward meeting the program requirements.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$4,500,000
Total	\$0	500,000	\$4,500,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$4,500,000
Total	\$0	500,000	\$4,500,000								



City of Chandler
 2015-2024 Capital Improvement Program

Downtown Redevelopment Programs **General Government** Project # 6GG619

The Downtown Redevelopment program is used to improve and enhance Downtown properties and amenities to create a vibrant City Center and employment corridor. FY 2014-15 Programs include: Additional services, including Downtown Chandler maintenance and other requirements, \$500,000 and the Colonnade Program, \$2,000. No Land Acquisition funding is included in FY 2014-15.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Land Acquisition	\$0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$4,500,000
Downtown Colonnade Prog.	\$2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	\$20,000
Additional Services	\$500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$5,000,000
Total	\$502,000	1,002,000	\$9,520,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Govt Capital Projects (401)	\$502,000	1,002,000	1,002,000	1,002,000	1,002,000	1,002,000	1,002,000	1,002,000	1,002,000	1,002,000	\$9,520,000
Total	\$502,000	1,002,000	\$9,520,000								



City of Chandler
 2015-2024 Capital Improvement Program

San Marcos Commons Phase II **General Government** Project # 6GG623

Council approved the development agreement for San Marcos Commons Phase II near the southwest corner of Arizona Avenue and Chandler Boulevard in May 2010. Under the agreement, the City purchased some project land, but the largest City contribution goes towards the construction of a parking garage on the site. The garage will provide free parking for Downtown Chandler visitors, and it is estimated that 75% of the usage will be for public use and 25% for the San Marcos Commons enterprises. The City's contribution under the development agreement for all activities is \$8,521,000 plus legal fees. Construction was anticipated to begin in FY 2011-12, but the development agreement has been amended. Construction is now anticipated in FY 2013-14. No additional monies are being requested for FY 2014-15, as the existing project carryforward is sufficient to begin the project. Additionally, the remaining contribution of \$5,000,000 remains in FY 2014-15 when the majority of construction will occur. The developer contributes the first 25% of project costs including design, soils testing, foundations, etc. Only after the developer's contribution does the City begin its contributions.

Estimated Total Project Cost: **\$8,521,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Payment to Others	\$5,000,000	0	0	0	0	0	0	0	0	0	\$5,000,000
Total	\$5,000,000	0	\$5,000,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$5,000,000	0	0	0	0	0	0	0	0	0	\$5,000,000
Total	\$5,000,000	0	\$5,000,000								



City of Chandler
 2015-2024 Capital Improvement Program

South Washington Street Design **General Government** Project # 6GG639

In 2010, Council approved the alignment and acquisition of property for the road and park envisioned along South Washington Street between Fairview Street and Pecos Road. This alignment enables better traffic flows and includes a signalized intersection at Pecos Road. All but four necessary properties have been acquired for this project on a voluntary basis, and the creation of design and construction documents (CDs) is the next key step. Having CDs on hand also enables staff to pursue grants and other funding streams to assist with project costs.

Estimated Total Project Cost: **\$200,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Design	\$200,000	0	0	0	0	0	0	0	0	0	\$200,000
Total	\$200,000	0	\$200,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$200,000	0	0	0	0	0	0	0	0	0	\$200,000
Total	\$200,000	0	\$200,000								



City of Chandler
 2015-2024 Capital Improvement Program

Vehicle Replacement Program (Vehicles over \$100,000) General Government Project # 6GG632

This capital project provides funding for large vehicles in the fleet that typically cost more than \$100,000 and are only purchased on an "as needed" basis. Most vehicles are fire trucks for the Fire Department and bucket trucks for the Transportation and Development Department. Vehicles are identified for replacement by the Fleet Advisory Committee after a thorough review process. Future year appropriation is shown in the Non-Department Cost Center (1291) pending approval of the purchases for the upcoming fiscal year, at which point funding is allocated to the appropriate Department and Cost Center.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$0	500,000	0	1,480,300	600,300	700,600	636,700	600,300	1,129,000	730,550	\$6,377,750
Total	\$0	500,000	0	1,480,300	600,300	700,600	636,700	600,300	1,129,000	730,550	\$6,377,750

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Vehicle Replacement (404)	\$0	500,000	0	1,480,300	600,300	700,600	636,700	600,300	1,129,000	730,550	\$6,377,750
Total	\$0	500,000	0	1,480,300	600,300	700,600	636,700	600,300	1,129,000	730,550	\$6,377,750



City of Chandler
2015-2024 Capital Improvement Program



AIRPORT



CHANDLER AIRPORT:
MOVING TO NEW
HEIGHTS



Chandler · Arizona



City of Chandler
2015-2024 Capital Improvement Program

ECONOMIC DEVELOPMENT – AIRPORT CAPITAL PROGRAM OVERVIEW

The Airport Capital Improvement Program (CIP) is used to improve and develop infrastructure needed to operate and safely maintain an aviation facility that meets the needs of the aeronautical industry. Projects include enhancing revenue producing areas such as aircraft parking (apron), t-shade facilities, and fuel system upgrades, as well as, safety improvements such as airfield signs, navigational aids, storm water management, and security upgrades to protect property at the airport. Funding is primarily from federal and state airport improvement grants, bonds, and operating funds. Projects are grant eligible unless otherwise indicated.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 40,539,764	
2014-2023 Capital Program	\$ 36,439,500	
Difference	\$ 4,100,264	11.3%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

6AI238	Taxiway B Construction	FY 2015-2024 Total	\$6,013,000	% Change from Previous CIP	6%
		FY 2014-2023 Total	\$5,699,500		

Scheduled to begin FY 2018-19, the extension of Taxiway B will allow air traffic control personnel to more efficiently handle aircraft ground operations.

6AI354	Airport Terminal Apron Improvement	FY 2015-2024 Total	\$1,122,500	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$1,122,500		

This project which is scheduled for FY 2019-20 improves the aircraft parking area known as the “transient ramp.”

6AI369	Airport Guidance Sign Replacement	FY 2015-2024 Total	\$782,000	% Change from Previous CIP	1%
		FY 2014-2023 Total	\$774,500		

The design and construction of the project to replace airfield guidance signs and navigational aids is programmed for FY 2014-15.

6AI653	N. Aircraft Apron Phase 2	FY 2015-2024 Total	\$4,273,500	% Change from Previous CIP	1%
		FY 2014-2023 Total	\$4,249,000		

The N. Aircraft Apron project is phased construction with phase 2a, the taxi lane, programmed for FY 2014-15 and phase 2b, the apron, programmed for FY 2017-18.

6AI654	S. Airport Apron Construction Phase I	FY 2015-2024 Total	\$3,862,000	% Change from Previous CIP	2%
		FY 2014-2023 Total	\$3,786,000		

This project is the first phase of a four-phase project to construct additional apron area on the south side of the airport. This project has been deferred four years.



City of Chandler
2015-2024 Capital Improvement Program

6AI655	S. Airport Apron Construction Phase II	FY 2015-2024 Total	\$4,837,500	% Change from Previous CIP	3%
		FY 2014-2023 Total	\$4,718,500		

This project is the second phase of a four-phase project to construct additional apron area on the south side of the airport. This project has been deferred two years.

6AI656	S. Airport Apron Construction Phase III	FY 2015-2024 Total	\$3,399,500	% Change from Previous CIP	2%
		FY 2014-2023 Total	\$3,329,000		

This project is the third phase of a four-phase project to construct additional apron area on the south side of the airport. This project has been deferred two years.

6AI657	S. Airport Apron Construction Phase IV	FY 2015-2024 Total	\$639,500	% Change from Previous CIP	4%
		FY 2014-2023 Total	\$615,500		

This project is the fourth phase of a four-phase project to construct additional apron area on the south side of the airport. Funding is for the design phase only.

6AI658	Airport T-Shade Facility	FY 2015-2024 Total	\$2,407,000	% Change from Previous CIP	3%
		FY 2014-2023 Total	\$2,346,500		

This three-phase project will construct new T-shade facilities for aircraft owners to rent to keep their aircraft out of the sun. This will be an additional revenue source for the Airport Operating Fund, but is not grant eligible. This project has been advanced so that funding is now in the first three years of the CIP.

6AI660	Access Road (South Apron Access)	FY 2015-2024 Total	\$2,722,900	% Change from Previous CIP	-3%
		FY 2014-2023 Total	\$2,821,000		

This project will construct a new access to the south side of the airport as that area develops in future years. This project has been deferred three years.

6AI662	Airport Security Gates and Cameras	FY 2015-2024 Total	\$125,500	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$125,500		

This project will improve the Perimeter Security Access System to provide higher levels of security at the airport. This project is not grant eligible.

6AI702 (New)	Replace Tower Transceiver Radios	FY 2015-2024 Total	\$627,500	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will replace outdated communications equipment with updated models.

6AI710	Safety Area Improvements	FY 2015-2024 Total	\$2,532,500	% Change from Previous CIP	8%
		FY 2014-2023 Total	\$2,337,500		

This project will make improvements to the soil between the runways to help dust control and to help with the wildlife mitigation issues.



City of Chandler
2015-2024 Capital Improvement Program

6AI711	Stormwater Management Environmental Assessment	FY 2015-2024 Total	\$77,000	% Change from Previous CIP	3%
		FY 2014-2023 Total	\$74,500		

This project will provide funding for an Environmental Assessment that may be required to implement stormwater improvements in the projects listed below.

6AI712	Stormwater Management Areas 1 & 3	FY 2015-2024 Total	\$1,960,000	% Change from Previous CIP	2%
		FY 2014-2023 Total	\$1,924,500		

Improvements to the stormwater system to prevent or limit standing water in on the south side of the airport and the end of the runway on the west side of the airport are scheduled for FY 2014-15.

6AI713	Stormwater Management Area 2	FY 2015-2024 Total	\$2,088,500	% Change from Previous CIP	4%
		FY 2014-2023 Total	\$2,004,500		

This project will provide funding for improvements to the stormwater system to prevent or limit standing water on the runway infield area.

6AI714	Stormwater Management Areas 4 & 7	FY 2015-2024 Total	\$304,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$302,500		

This project will provide funding for improvements to the stormwater system to prevent or limit standing water on the west basin and the west taxiway storm drains.

6AI716 (New)	Rehab North Terminal Apron Phase I	FY 2015-2024 Total	\$900,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

Pavement testing in 2013 revealed the asphalt is distressed and in need of repair. Phase 1 of this project is scheduled for FY 2015-16.

6AI717 (New)	Rehab North Terminal Apron Phase II	FY 2015-2024 Total	\$1,394,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

Pavement testing in 2013 revealed the asphalt is distressed and in need of repair. Phase 2 of this project is scheduled for FY 2016-17.

6AI718 (New)	Replace Fuel Tank	FY 2015-2024 Total	\$300,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will replace the existing underground fuel tank and control system with a new above ground tank and new dispensers. Airport fuel sales are revenue producing, but this is not grant eligible.

6AI719 (New)	APMS Pavement Improvement Taxiway	FY 2015-2024 Total	\$83,932	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

Resurfacing Taxiway A and related connecting taxiways has been included in ADOT's Pavement Preservation Program for FY 2014-15. Total project cost exceeds \$839,000; however the City is only responsible for 10%.



City of Chandler
2015-2024 Capital Improvement Program

6AI720 (New)	APMS Pavement Improvement Runway	FY 2015-2024 Total	\$43,640	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

Resurfacing of Runway 4L-22R has been included in ADOT's Pavement Preservation Program. The City is responsible for 10% of the project cost.

6AI721 (New)	APMS Pavement Improvement Taxiway	FY 2015-2024 Total	\$43,792	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

Resurfacing of Taxiway C has been included in ADOT's Pavement Preservation Program. The City is responsible for 10% of the project cost.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

None.



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

		Economic Development - Airport Capital - 4110			
		<i>Carryforward Appropriation</i>		<i>2014-15</i>	<i>2014-15</i>
		<i>Encumbered</i>	<i>Unencumbered</i>	<i>New</i>	<i>Total</i>
Proj#	Program	Purchase Orders	March 2014	Appropriation	Appropriation
6AI264	Airport Erosion and Debris Control	\$ 926,874	\$ -	\$ -	\$ 926,874
6AI369	Airport Guidance Sign Replacement	-	-	782,000	782,000
6AI653	N. Airport Apron Phase 2	-	43,946	1,089,500	1,133,446
6AI658	Airport T-Shade Facility	-	-	1,163,500	1,163,500
6AI662	Airport Security Gates and Cameras	-	-	125,500	125,500
6AI703	Wildlife Study/Storm Drain MP Update	112,894	-	-	112,894
6AI707	Taxiway A Lighting Improvements	-	50,995	-	50,995
6AI711	Stormwater Management Env Assessment	-	-	77,000	77,000
6AI712	Stormwater Management Areas 1 & 3	146,302	-	1,960,000	2,106,302
6AI718	Replace Fuel Tank	-	-	300,000	300,000
6AI719	APMS Pavement Improvements-Taxiway	-	-	83,932	83,932
6AI720	APMS Pavement Improvements-Runway	-	-	43,640	43,640
Total Capital Project Expenses		\$ 1,186,070	\$ 94,941	\$ 5,625,072	\$ 6,906,083
Fund					
417	Capital Grants	\$ 1,083,347	\$ 50,995	\$ 3,630,296	\$ 4,764,638
631	Airport Bond	-	43,946	108,950	152,896
632	ADOT Loan	-	-	1,163,500	1,163,500
635	Airport Operating	102,723	-	722,326	825,049
Total Capital Project Funding		\$ 1,186,070	\$ 94,941	\$ 5,625,072	\$ 6,906,083



City of Chandler
2015-2024 Capital Improvement Program

AIRPORT COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6AI238	Taxiway B Construction	\$ -	\$ -	\$ 279,000	\$ 429,500	\$ 2,865,500	\$ 3,574,000	\$ 2,439,000	\$ 6,013,000
6AI354	Airport Terminal Apron Improvement	-	-	-	-	-	-	1,122,500	1,122,500
6AI369	Airport Guidance Sign Replacement	782,000	-	-	-	-	782,000	-	782,000
6AI653	N. Aircraft Apron Ph 2	1,089,500	-	-	3,184,000	-	4,273,500	-	4,273,500
6AI654	S. Apron Construction Ph I	-	-	-	-	371,000	371,000	3,491,000	3,862,000
6AI655	S. Apron Construction Ph II	-	-	-	-	-	-	4,837,500	4,837,500
6AI656	S. Apron Construction Ph III	-	-	-	-	-	-	3,399,500	3,399,500
6AI657	S. Apron Construction Ph IV	-	-	-	-	-	-	639,500	639,500
6AI658	Airport T-Shade Facility	1,163,500	602,000	641,500	-	-	2,407,000	-	2,407,000
6AI660	Access Road (S Apron Access)	-	-	-	-	213,000	213,000	2,509,900	2,722,900
6AI662	Airport Security Gates and Cameras	125,500	-	-	-	-	125,500	-	125,500
6AI702	Replace Tower Transceiver Radios	-	627,500	-	-	-	627,500	-	627,500
6AI710	Safety Area Improvements	-	-	-	-	-	-	2,532,500	2,532,500
6AI711	Stormwater Mgmt Env Assessment	77,000	-	-	-	-	77,000	-	77,000
6AI712	Stormwater Management Areas 1 & 3	1,960,000	-	-	-	-	1,960,000	-	1,960,000
6AI713	Stormwater Management Area 2	-	157,500	1,931,000	-	-	2,088,500	-	2,088,500
6AI714	Stormwater Management Areas 4 & 7	-	-	304,000	-	-	304,000	-	304,000
6AI716	Rehab North Terminal Apron Phase I	-	900,000	-	-	-	900,000	-	900,000
6AI717	Rehab North Terminal Apron Phase II	-	-	1,394,000	-	-	1,394,000	-	1,394,000
6AI718	Replace Fuel Tank	300,000	-	-	-	-	300,000	-	300,000
6AI719	APMA Pavement Improvement Taxiway	83,932	-	-	-	-	83,932	-	83,932
6AI720	APMA Pavement Improvement Runway	43,640	-	-	-	-	43,640	-	43,640
6AI721	APMA Pavement Improvement Taxiway Ph 2	-	-	-	43,792	-	43,792	-	43,792
Total - Airport		\$ 5,625,072	\$ 2,287,000	\$ 4,549,500	\$ 3,657,292	\$ 3,449,500	\$ 19,568,364	\$ 20,971,400	\$ 40,539,764

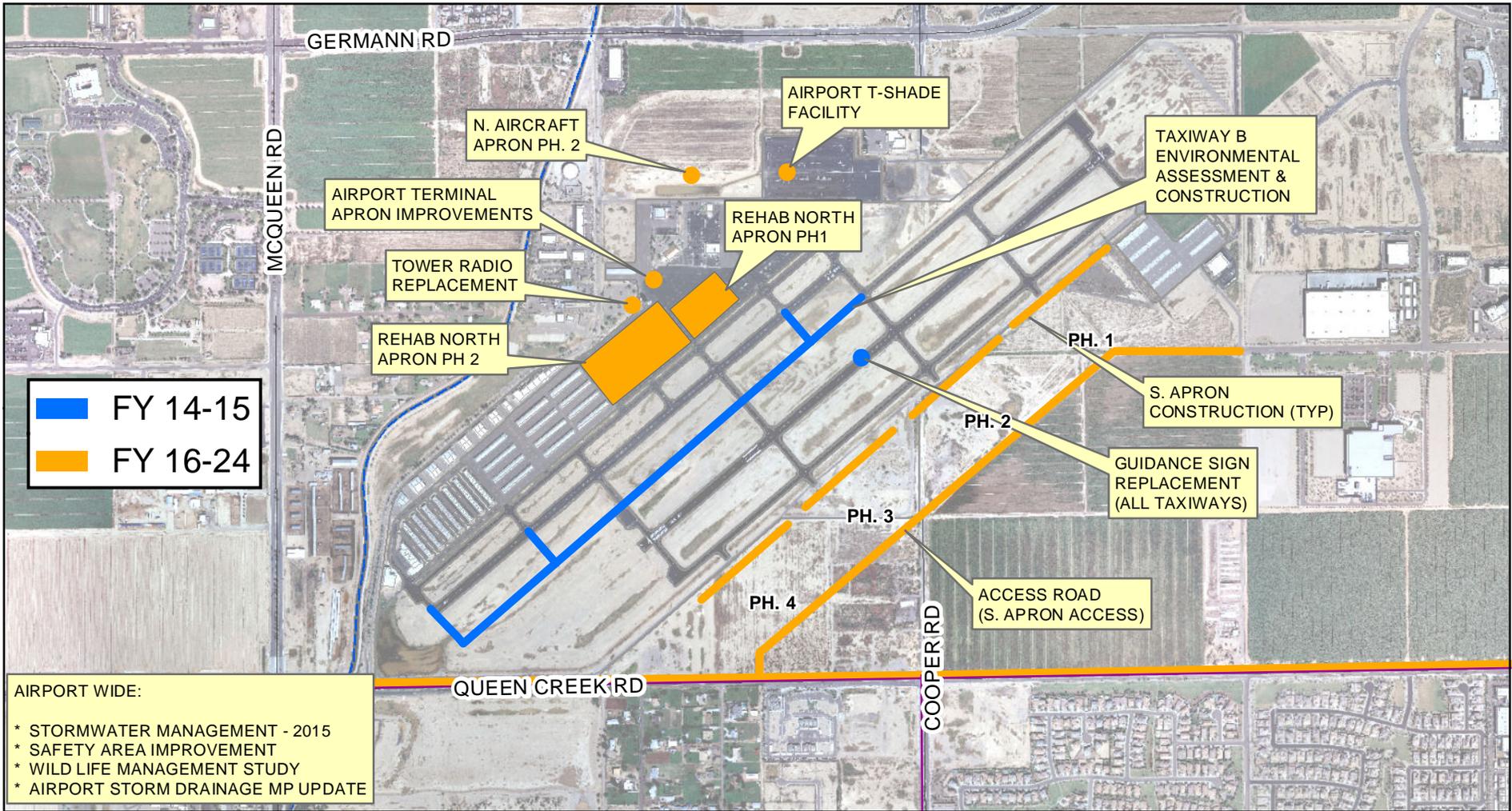
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Federal Aviation Grants	\$ 1,854,892	\$ 571,400	\$ 2,012,426	\$ 3,290,453	\$ 2,803,282	\$ 10,532,453	\$ 19,096,557	\$ 29,629,010
ADOT Aviation Grants	1,775,404	979,800	1,626,986	161,524	137,609	4,681,323	916,322	5,597,645
Airport Bonds	108,950	15,750	116,717	142,325	371,000	754,742	552,828	1,307,570
ADOT Loan	1,163,500	602,000	641,500	-	-	2,407,000	21,098	2,428,098
Airport Operating Fund	722,326	118,050	151,871	62,990	137,609	1,192,846	384,595	1,577,441
Total - Airport	\$ 5,625,072	\$ 2,287,000	\$ 4,549,500	\$ 3,657,292	\$ 3,449,500	\$ 19,568,364	\$ 20,971,400	\$ 40,539,764

AIRPORT

CAPITAL IMPROVEMENT PROGRAM

FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

Taxiway B Construction	Airport Project # 6A1238
-------------------------------	---------------------------------

Ground operations on the existing runway/taxiway system frequently experience congestion on the connecting taxiways for both runways. Additionally, as the south side of the Airport begins to develop, the runway/taxiway system will receive more use, further adding to the congestion issues. The Taxiway B construction project will complete the taxiway between the two runways by extending the existing Taxiway B to the southwest. This taxiway extension will allow the air traffic control tower to more efficiently handle aircraft ground operations from both runways. This project will relieve current aircraft congestion on Taxiway A and the congestion that will occur on Taxiway C when the south side of the Airport develops. This project will mitigate possible aircraft ground conflicts and improve Airport safety and operations. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for the project. The local match portion of the grants will come from the Airport Operating Fund.

Estimated Total Project Cost: **\$6,013,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	358,500	305,500	0	0	0	0	\$664,000
Environmental	\$0	0	279,000	0	0	0	0	0	0	0	\$279,000
Construction	\$0	0	0	0	2,387,500	2,031,500	0	0	0	0	\$4,419,000
Design	\$0	0	0	429,500	0	0	0	0	0	0	\$429,500
Construction Mgmt	\$0	0	0	0	119,500	102,000	0	0	0	0	\$221,500
Total	\$0	0	279,000	429,500	2,865,500	2,439,000	0	0	0	0	\$6,013,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$0	0	12,471	19,198	128,088	109,023	0	0	0	0	\$268,780
Capital Grant - ADOT (417)	\$0	0	12,471	19,199	128,088	109,023	0	0	0	0	\$268,781
Capital Grant - FAA (417)	\$0	0	254,058	391,103	2,609,324	2,220,954	0	0	0	0	\$5,475,439
Total	\$0	0	279,000	429,500	2,865,500	2,439,000	0	0	0	0	\$6,013,000

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	0	3,435	3,724	3,911	4,106	1,882	\$17,058
Total	\$0	0	0	0	0	3,435	3,724	3,911	4,106	1,882	\$17,058



City of Chandler
2015-2024 Capital Improvement Program

Airport Terminal Apron Improvement **Airport Project # 6AI354**

Improvements to the Airport terminal aircraft parking apron and taxilane are needed. The Airport has seen a significant increase in the use of this area by transient corporate aircraft. This project will also provide a concrete pad to allow transient helicopters to utilize the terminal building area on a short-term basis. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funding will be sought for this project. The local match portion of the grants will come from the Airport Operating Fund. This project will upgrade the aircraft apron parking pavement in this area to the same weight bearing capacity as the runway/taxiway system, whereby greatly enhancing the Airport capabilities to service a large group of the flying public.

Estimated Total Project Cost: **\$1,122,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	0	129,500	0	0	0	0	\$129,500
Construction	\$0	0	0	0	0	863,000	0	0	0	0	\$863,000
Design	\$0	0	0	0	0	86,500	0	0	0	0	\$86,500
Construction Mgmt	\$0	0	0	0	0	43,500	0	0	0	0	\$43,500
Total	\$0	0	0	0	0	1,122,500	0	0	0	0	\$1,122,500

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$0	0	0	0	0	50,176	0	0	0	0	\$50,176
Capital Grant - ADOT (417)	\$0	0	0	0	0	50,176	0	0	0	0	\$50,176
Capital Grant - FAA (417)	\$0	0	0	0	0	1,022,148	0	0	0	0	\$1,022,148
Total	\$0	0	0	0	0	1,122,500	0	0	0	0	\$1,122,500



City of Chandler
2015-2024 Capital Improvement Program

Airport Guidance Sign Replacement **Airport Project # 6AI369**

This project involves replacing Airport signs or installing new mandatory guidance signs for the runway/taxiway. This work will address changes by the Federal Aviation Administration (FAA) to the signage standards. The existing signs were installed in several projects from 1990 to 1993. These signs are starting to fail, and replacement parts are becoming increasingly hard to acquire. FAA and Arizona Department of Transportation (ADOT) grant funds will be sought for the projects. The local match portion of the grants will come from the Airport Operating Fund. This project will greatly reduce maintenance costs for the existing aging signs currently installed at the Airport.

Estimated Total Project Cost: **\$1,192,399** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$90,500	0	0	0	0	0	0	0	0	0	\$90,500
Construction	\$600,500	0	0	0	0	0	0	0	0	0	\$600,500
Contingency	\$30,500	0	0	0	0	0	0	0	0	0	\$30,500
Construction Mgmt	\$60,500	0	0	0	0	0	0	0	0	0	\$60,500
Total	\$782,000	0	\$782,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$78,200	0	0	0	0	0	0	0	0	0	\$78,200
Capital Grant - ADOT (417)	\$703,800	0	0	0	0	0	0	0	0	0	\$703,800
Total	\$782,000	0	\$782,000								



City of Chandler
 2015-2024 Capital Improvement Program

North Aircraft Apron Phase 2 **Airport Project # 6A1653**

An aircraft parking apron on the north side of the Airport is needed to provide additional tie-down areas. This apron area will also eventually be available for more T-Shade development - again producing more revenue for the Airport. This project will develop in phases. Phase 2A will develop a taxilane around the Phase 2B portion of this project, which are the aircraft apron areas on the northwest side of the Airport terminal area. It will include the area north of Ryan Road, west of the future Curtis Road alignment, and east of existing Airport Boulevard. Design is currently underway and construction is planned for FY 2013-14. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) funding will be sought for this apron project. The local match portion of the grants will be from existing voter-approved Airport revenue bonds for the apron construction. This area will be used to access planned development on the northwest portions of the terminal area, which will bring additional revenue to the Airport and help it to become more self-sufficient.

Estimated Total Project Cost: **\$4,472,561** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$91,000	0	0	398,000	0	0	0	0	0	0	\$489,000
Construction	\$907,500	0	0	2,653,000	0	0	0	0	0	0	\$3,560,500
Construction Mgmt	\$91,000	0	0	133,000	0	0	0	0	0	0	\$224,000
Total	\$1,089,500	0	0	3,184,000	0	0	0	0	0	0	\$4,273,500

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$108,950	0	0	142,325	0	0	0	0	0	0	\$251,275
Capital Grant - ADOT (417)	\$980,550	0	0	142,325	0	0	0	0	0	0	\$1,122,875
Capital Grant - FAA (417)	\$0	0	0	2,899,350	0	0	0	0	0	0	\$2,899,350
Total	\$1,089,500	0	0	3,184,000	0	0	0	0	0	0	\$4,273,500

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	1,370	1,439	1,511	1,586	1,665	1,748	1,836	1,928	2,024	\$15,107
Total	\$0	1,370	1,439	1,511	1,586	1,665	1,748	1,836	1,928	2,024	\$15,107



City of Chandler
2015-2024 Capital Improvement Program

South Airport Apron Construction Phase I **Airport Project # 6A1654**

Based aircraft projections at the Airport are expected to increase by about 12% per year over the next five years. To accommodate the need to park additional aircraft, more apron area will be necessary. Furthermore, this growth in activity will result in an increased need for Fixed Base Operator (FBO) and other specialized aviation service operators on the south side of the Airport to meet that growth. This project will also create the potential of access to the Airport for through-the-fence operations from private land southeast of the Airport. Future programming will continue constructing apron area along the southeast side of the runway/taxiway system to create access to the FBO and apron area. This project consists of the phased construction of an aircraft apron on the south side of the runways from the new heliport to the western end of the south taxiway. Design is programmed to begin in FY 2019-20 and includes an environmental assessment. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for the projects. The local match portion of the grants will come from prior approved Airport Bonds.

Estimated Total Project Cost: **\$3,862,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	0	0	389,500	0	0	0	\$389,500
Environmental	\$0	0	0	0	371,000	0	0	0	0	0	\$371,000
Construction	\$0	0	0	0	0	0	2,593,500	0	0	0	\$2,593,500
Design	\$0	0	0	0	0	378,000	0	0	0	0	\$378,000
Construction Mgmt	\$0	0	0	0	0	0	130,000	0	0	0	\$130,000
Total	\$0	0	0	0	371,000	378,000	3,113,000	0	0	0	\$3,862,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$0	0	0	0	371,000	16,897	139,152	0	0	0	\$527,049
Capital Grant - ADOT (417)	\$0	0	0	0	0	16,896	139,151	0	0	0	\$156,047
Capital Grant - FAA (417)	\$0	0	0	0	0	344,206	2,834,698	0	0	0	\$3,178,904
Total	\$0	0	0	0	371,000	377,999	3,113,001	0	0	0	\$3,862,000

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	0	0	0	7,631	8,012	8,413	\$24,056
Total	\$0	0	0	0	0	0	0	7,631	8,012	8,413	\$24,056



City of Chandler
2015-2024 Capital Improvement Program

South Airport Apron Construction Phase II **Airport Project # 6A1655**

Based aircraft projections at the Airport are expected to increase by about 12% per year over the next five years. To accommodate the need to park additional aircraft, more apron area will be necessary. Furthermore, this growth in activity will result in an increased need for Fixed Base Operator (FBO) and other specialized aviation service operators on the south side of the Airport to meet that growth. This work will also create the potential of access to the Airport for through-the-fence operations from private land southeast of the Airport. Future programming will continue constructing apron area along the southeast side of the runway/taxiway system. Design of this second phase is programmed for FY 2021-22. Construction will commence in FY 2022-23. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for the projects. The local match portion of the grants will come from prior approved Airport Bonds.

Estimated Total Project Cost: **\$4,837,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	0	0	0	0	532,500	0	\$532,500
Environmental	\$0	0	0	0	0	0	106,000	0	0	0	\$106,000
Construction	\$0	0	0	0	0	0	0	0	3,549,500	0	\$3,549,500
Design	\$0	0	0	0	0	0	0	472,000	0	0	\$472,000
Construction Mgmt	\$0	0	0	0	0	0	0	0	177,500	0	\$177,500
Total	\$0	0	0	0	0	0	106,000	472,000	4,259,500	0	\$4,837,500

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$0	0	0	0	0	0	4,738	21,098	190,400	0	\$216,237
Capital Grant - ADOT (417)	\$0	0	0	0	0	0	4,738	21,098	190,400	0	\$216,236
Capital Grant - FAA (417)	\$0	0	0	0	0	0	96,524	429,803	3,878,700	0	\$4,405,027
Total	\$0	0	0	0	0	0	106,000	472,000	4,259,500	0	\$4,837,500

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	0	0	0	0	0	9,981	\$9,981
Total	\$0	0	9,981	\$9,981							



City of Chandler
2015-2024 Capital Improvement Program

South Airport Apron Construction Phase III **Airport Project # 6A1656**

Based aircraft projections at the Airport are expected to increase by about 12% per year over the next five years. To accommodate the need to park additional aircraft, more apron area will be necessary. Furthermore, this growth in activity will result in an increased need for Fixed Base Operator (FBO) and other specialized aviation service operators on the south side of the Airport to meet that growth. Future programming will continue constructing apron area along the southeast side of the runway/taxiway system. Design of this third phase is programmed to begin in FY 2022-23 and construction will commence in FY 2023-24. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for the projects. The local match portion of the grants will come from prior approved Airport Bonds. This project will create access to the FBO and apron area to promote additional growth.

Estimated Total Project Cost: **\$3,399,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	0	0	0	0	0	378,500	\$378,500
Construction	\$0	0	0	0	0	0	0	0	0	2,523,000	\$2,523,000
Design	\$0	0	0	0	0	0	0	0	371,500	0	\$371,500
Construction Mgmt	\$0	0	0	0	0	0	0	0	0	126,500	\$126,500
Total	\$0	0	371,500	3,028,000	\$3,399,500						

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$0	0	0	0	0	0	0	0	16,606	135,352	\$151,958
Capital Grant - ADOT (417)	\$0	0	0	0	0	0	0	0	16,606	135,352	\$151,958
Capital Grant - FAA (417)	\$0	0	0	0	0	0	0	0	338,288	2,757,296	\$3,095,584
Total	\$0	0	371,500	3,028,000	\$3,399,500						



City of Chandler
2015-2024 Capital Improvement Program

South Airport Apron Construction Phase IV **Airport Project # 6A1657**

Based aircraft projections at the Airport are expected to increase by about 12% per year over the next five years. To accommodate the need to park additional aircraft, more apron area will be necessary. Furthermore, this growth in activity will result in an increased need for Fixed Base Operator (FBO) and other specialized aviation service operators to meet that growth. Future programming will continue constructing apron area along the southeast side of the runway/taxiway system. Design of this fourth phase is programmed to begin in FY 2023-24, and construction of Phase IV falls outside the City's 10-Year Capital Improvement Program. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for the projects. The local match portion of the grants will come from prior approved Airport Bonds. This project will create access to the FBO and apron area to promote additional growth.

Estimated Total Project Cost: **\$639,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Design	\$0	0	0	0	0	0	0	0	0	639,500	\$639,500
Total	\$0	0	639,500	\$639,500							

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Bonds (631)	\$0	0	0	0	0	0	0	0	0	28,585	\$28,586
Capital Grant - ADOT (417)	\$0	0	0	0	0	0	0	0	0	28,585	\$28,585
Capital Grant - FAA (417)	\$0	0	0	0	0	0	0	0	0	582,329	\$582,329
Total	\$0	0	639,499	\$639,500							



City of Chandler
2015-2024 Capital Improvement Program

Airport T-Shade Facility **Airport Project # 6A1658**

The Airport currently maintains one T-Shade that accommodates eleven covered parking spots for aircraft. The waiting list for City owned and leased T-Shades has been maintained for several years at the Airport with over fifty names on it. Additional T-Shades for rent will help address this need. The rental income from the T-Shades will also help the Airport become more self-sufficient. This T-Shade program consists of three phases of T-Shade development. Phase 1 will consist of two canopies (2 - 590' x 50'), or shade structures that will house 25 aircraft in each (50 total units). These T-Shades will be constructed in FY 2014-15 when funds for construction are expected to become available again through the Arizona Department of Transportation (ADOT) loan program. Leasing of the T-Shade units will be used to pay back the ADOT loan. Phase 2 will consist of one structure (590' x 50') to house another 25 aircraft. These T-Shades will be constructed in FY 2015-16. Funds for construction will be through an ADOT loan. Leasing revenue will be used to pay back the ADOT loan. Phase 3 will consist of two structures (1 - 335' x 40', 1- 425' x 40') and will house 32 aircraft. Construction is planned for FY 2016-17. Funds for construction will be through an ADOT loan, and lease revenue from the T-shades will be used to pay back the ADOT loan. This project will provide an inexpensive way for aircraft owners to protect their aircraft from the Arizona sun.

Estimated Total Project Cost: **\$2,407,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$99,500	51,500	55,000	0	0	0	0	0	0	0	\$206,000
Construction	\$994,000	514,500	548,000	0	0	0	0	0	0	0	\$2,056,500
Construction Mgmt	\$70,000	36,000	38,500	0	0	0	0	0	0	0	\$144,500
Total	\$1,163,500	602,000	641,500	0	\$2,407,000						

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport ADOT Loan (632)	\$1,163,500	602,000	641,500	0	0	0	0	0	0	0	\$2,407,000
Total	\$1,163,500	602,000	641,500	0	\$2,407,000						

Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	1,915	3,491	5,132	5,311	5,497	5,737	5,982	6,192	6,409	\$45,666
Total	\$0	1,915	3,491	5,132	5,311	5,497	5,737	5,982	6,192	6,409	\$45,666



City of Chandler
2015-2024 Capital Improvement Program

Access Road (South Apron Access) **Airport Project # 6A1660**

Currently there are no access roads to the south side of the Airport. With the development of businesses and the addition of aircraft parking on the south side of the Airport, an access road is needed to serve this portion of the Airport. As private development on the south side occurs, the developer will be required to construct these roads. However, City construction will be necessary if development is delayed. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for this project. The local match portion of the grant will come from the Airport Operating Fund. This project will consist of two-lane roads to service growth on the south side of the Airport.

Estimated Total Project Cost: **\$2,722,900** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	0	0	0	326,000	0	0	0	0	\$326,000
Construction	\$0	0	0	0	0	2,173,000	0	0	0	0	\$2,173,000
Design	\$0	0	0	0	213,000	0	0	0	0	0	\$213,000
Construction Mgmt	\$0	0	0	0	0	10,900	0	0	0	0	\$10,900
Total	\$0	0	0	0	213,000	2,509,900	0	0	0	0	\$2,722,900

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$0	0	0	0	9,521	112,193	0	0	0	0	\$121,714
Capital Grant - ADOT (417)	\$0	0	0	0	9,521	112,192	0	0	0	0	\$121,713
Capital Grant - FAA (417)	\$0	0	0	0	193,958	2,285,515	0	0	0	0	\$2,479,473
Total	\$0	0	0	0	213,000	2,509,900	0	0	0	0	\$2,722,900

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	0	0	617	648	680	0	\$1,945
Total	\$0	0	0	0	0	0	617	648	680	0	\$1,945



City of Chandler
 2015-2024 Capital Improvement Program

Airport Security System Improvements **Airport Project # 6A1662**

Upgrade work is required to allow the Perimeter Security Access System to provide higher levels of security through an improved ability to track access use in real time at all of the automated gates. Security capabilities are also needed through visual surveillance capability at all vehicle gates and at the fuel farm. The system upgrades will install the infrastructure necessary to achieve these security needs. The Airport Operating Fund will be used for this project. This project will provide an important aspect of addressing the planned through-the-fence activity that will provide aircraft access privileges from private property (off-Airport) through a security system onto the public property (on-Airport) to use the runway and taxiway system.

Estimated Total Project Cost: **\$155,313** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$11,500	0	0	0	0	0	0	0	0	0	\$11,500
Construction	\$114,000	0	0	0	0	0	0	0	0	0	\$114,000
Total	\$125,500	0	\$125,500								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$125,500	0	0	0	0	0	0	0	0	0	\$125,500
Total	\$125,500	0	\$125,500								

Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	706	742	778	817	858	901	946	993	1,043	\$7,785
Total	\$0	706	742	778	817	858	901	946	993	1,043	\$7,785



City of Chandler
2015-2024 Capital Improvement Program

Replace Tower Transceiver Radios **Airport** Project # 6AI702

The Air Traffic Control Tower radios are nearing life expectancy. The manufacturer will soon end support, so parts won't be available if one of the radios breaks down. This project will replace six receivers, five transmitters, and install a new 800 mhz 16 channel radio. Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) grant funds will be sought for this project.

Estimated Total Project Cost: **\$627,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	72,500	0	0	0	0	0	0	0	0	\$72,500
Construction	\$0	482,000	0	0	0	0	0	0	0	0	\$482,000
Design	\$0	48,500	0	0	0	0	0	0	0	0	\$48,500
Construction Mgmt	\$0	24,500	0	0	0	0	0	0	0	0	\$24,500
Total	\$0	627,500	0	\$627,500							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$0	28,050	0	0	0	0	0	0	0	0	\$28,050
Capital Grant - ADOT (417)	\$0	28,050	0	0	0	0	0	0	0	0	\$28,050
Capital Grant - FAA (417)	\$0	571,400	0	0	0	0	0	0	0	0	\$571,400
Total	\$0	627,500	0	\$627,500							



City of Chandler
2015-2024 Capital Improvement Program

Safety Area Improvements **Airport Project # 6AI710**

The Airport's runway infield is subject to erosion, causing safety issues for aircraft that leave pavement. The erosion control project that is in place currently represents an active grant through the Arizona Department of Transportation (ADOT), which handles the area of the infield from the edge of the runway and taxiway surfaces out approximately 15 feet. This new request will handle the infield area outside of the shoulder stabilization as well as helping mitigate wildlife attractants and aiding in dust control. Federal Aviation Administration (FAA) and ADOT grant funds will be sought for this project.

Estimated Total Project Cost: **\$2,532,499** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$0	0	0	0	0	0	292,500	0	0	0	\$292,500
Design	\$0	0	0	0	0	0	195,000	0	0	0	\$195,000
Construction	\$0	0	0	0	0	0	1,947,500	0	0	0	\$1,947,500
Construction Mgmt	\$0	0	0	0	0	0	97,500	0	0	0	\$97,500
Total	\$0	0	0	0	0	0	2,532,500	0	0	0	\$2,532,500

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$0	0	0	0	0	0	113,203	0	0	0	\$113,203
Capital Grant - ADOT (417)	\$0	0	0	0	0	0	113,202	0	0	0	\$113,202
Capital Grant - FAA (417)	\$0	0	0	0	0	0	2,306,095	0	0	0	\$2,306,095
Total	\$0	0	0	0	0	0	2,532,500	0	0	0	\$2,532,500



City of Chandler
2015-2024 Capital Improvement Program

Stormwater Management FAA Required Environmental Assessment **Airport Project # 6AI711**

In order to proceed with a series of three critical Airport stormwater drainage projects, the Federal Aviation Administration (FAA) requires the Airport to first identify all environmental issues associated with the proposed projects. The Airport is seeking grant funds from the FAA and Arizona Department of Transportation (ADOT), which will cover the majority of this project.

Estimated Total Project Cost: **\$77,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Environmental	\$69,500	0	0	0	0	0	0	0	0	0	\$69,500
Construction Mgmt	\$7,500	0	0	0	0	0	0	0	0	0	\$7,500
Total	\$77,000	0	\$77,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$3,442	0	0	0	0	0	0	0	0	0	\$3,442
Capital Grant - ADOT (417)	\$3,442	0	0	0	0	0	0	0	0	0	\$3,442
Capital Grant - FAA (417)	\$70,116	0	0	0	0	0	0	0	0	0	\$70,116
Total	\$77,000	0	\$77,000								



City of Chandler
2015-2024 Capital Improvement Program

Stormwater Management Areas 1 & 3 **Airport Project # 6A1712**

The Airport is seeking funding through the Federal Aviation Administration (FAA) Airport Improvement Program to comply with the FAA and Arizona Department of Environmental Quality's (ADEQ) guidelines on stormwater drainage. The first in a series of three drainage projects addresses the most immediate need located in the Runway Protection Zone of Runway 4L & 4R. Area 1 is located on the south side for future development and Area 3 is known as the West Basin Relocation, which is located at the immediate end of the runways on the west side of the Airport. Larger storms may result in significant ponding in various locations around the Airport. The ponding areas that are a safety concern are at the southwest portion of the Airport where water fowl tend to congregate. Any bird activity around runway ends is a particularly high safety risk.

Estimated Total Project Cost: **\$2,106,302** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$226,500	0	0	0	0	0	0	0	0	0	\$226,500
Design	\$151,000	0	0	0	0	0	0	0	0	0	\$151,000
Construction	\$1,507,500	0	0	0	0	0	0	0	0	0	\$1,507,500
Construction Mgmt	\$75,000	0	0	0	0	0	0	0	0	0	\$75,000
Total	\$1,960,000	0	\$1,960,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Operating (635)	\$87,612	0	0	0	0	0	0	0	0	0	\$87,612
Capital Grant - ADOT (417)	\$87,612	0	0	0	0	0	0	0	0	0	\$87,612
Capital Grant - FAA (417)	\$1,784,776	0	0	0	0	0	0	0	0	0	\$1,784,776
Total	\$1,960,000	0	\$1,960,000								



City of Chandler
 2015-2024 Capital Improvement Program

Stormwater Management Area 2 **Airport Project # 6AI713**

The Airport is seeking funding through the Federal Aviation Administration (FAA) Airport Improvement Program to comply with the FAA and Arizona Department of Environmental Quality's (ADEQ) guidelines on stormwater drainage. The second in a series of three drainage projects addresses the ability to move water from the Runway Infield Area (Area 2). Larger storms may result in significant ponding in various locations around the Airport. The ponding areas that are a safety concern are at the southwest portion of the Airport where water fowl tend to congregate. Any bird activity around runway ends is a particularly high safety risk. The Airport is seeking grant funds from the FAA and Arizona Department of Transportation (ADOT), which will cover the majority of this project.

Estimated Total Project Cost: **\$3,088,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	241,500	0	0	0	0	0	0	0	\$241,500
Design	\$0	157,500	0	0	0	0	0	0	0	0	\$157,500
Construction	\$0	0	1,609,000	0	0	0	0	0	0	0	\$1,609,000
Construction Mgmt	\$0	0	80,500	0	0	0	0	0	0	0	\$80,500
Total	\$0	157,500	1,931,000	0	\$2,088,500						

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$0	15,750	86,317	0	0	0	0	0	0	0	\$102,067
Capital Grant - ADOT (417)	\$0	141,750	86,315	0	0	0	0	0	0	0	\$228,065
Capital Grant - FAA (417)	\$0	0	1,758,368	0	0	0	0	0	0	0	\$1,758,368
Total	\$0	157,500	1,931,000	0	\$2,088,500						



City of Chandler
2015-2024 Capital Improvement Program

Stormwater Management Areas 4 & 7 **Airport Project # 6A1714**

The Airport is seeking funding through the Federal Aviation Administration (FAA) Airport Improvement Program to comply with the FAA and Arizona Department of Environmental Quality's (ADEQ) guidelines on stormwater drainage. The third in a series of three drainage projects addresses Area 4 (North Basin) and Area 7 (West Taxiway Storm Drains). Larger storms may result in significant ponding in various locations around the Airport. The ponding areas that are a safety concern are at the southwest portion of the Airport where water fowl tend to congregate. Any bird activity around runway ends is a particularly high safety risk. The Airport is seeking grant funds from the FAA and Arizona Department of Transportation (ADOT), which will cover the majority of this project.

Estimated Total Project Cost: **\$304,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$0	0	34,000	0	0	0	0	0	0	0	\$34,000
Design	\$0	0	34,000	0	0	0	0	0	0	0	\$34,000
Construction	\$0	0	224,500	0	0	0	0	0	0	0	\$224,500
Construction Mgmt	\$0	0	11,500	0	0	0	0	0	0	0	\$11,500
Total	\$0	0	304,000	0	\$304,000						

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Airport Bonds (631)	\$0	0	30,400	0	0	0	0	0	0	0	\$30,400
Capital Grant - ADOT (417)	\$0	0	273,600	0	0	0	0	0	0	0	\$273,600
Total	\$0	0	304,000	0	\$304,000						



City of Chandler
 2015-2024 Capital Improvement Program

Rehab North Terminal Apron Phase 1 **Airport Project # 6A1716**

Improvements to the Airport terminal aircraft parking apron are needed. This will be the first phase of a two phase project. The Airport has seen a significant increase in the use of this area of the Airport. Arizona Department of Transportation (ADOT) grant funding will be sought for this project. The local match portion of the grants will come from the Airport Operating Fund. This project will be a major maintenance enhancement to the aircraft apron parking pavement in this area, whereby greatly enhancing the Airport capabilities to service a large group of the flying public.

Estimated Total Project Cost: **\$900,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$0	104,000	0	0	0	0	0	0	0	0	\$104,000
Design	\$0	69,500	0	0	0	0	0	0	0	0	\$69,500
Construction	\$0	691,500	0	0	0	0	0	0	0	0	\$691,500
Construction Mgmt	\$0	35,000	0	0	0	0	0	0	0	0	\$35,000
Total	\$0	900,000	0	\$900,000							

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$0	90,000	0	0	0	0	0	0	0	0	\$90,000
Capital Grant - ADOT (417)	\$0	810,000	0	0	0	0	0	0	0	0	\$810,000
Total	\$0	900,000	0	\$900,000							



City of Chandler
2015-2024 Capital Improvement Program

Rehab North Terminal Apron Phase 2 **Airport Project # 6A1717**

Improvements to the Airport terminal aircraft parking apron are needed. This will be the second phase of a two phase project. The Airport has seen a significant increase in the use of this area of the Airport. Arizona Department of Transportation (ADOT) grant funding will be sought for this project. The local match portion of the grants will come from the Airport Operating Fund. This project will be a major maintenance enhancement to the aircraft apron parking pavement in this area, whereby greatly enhancing the Airport capabilities to service a large group of the flying public.

Estimated Total Project Cost: **\$1,394,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fees	\$0	0	161,000	0	0	0	0	0	0	0	\$161,000
Design	\$0	0	107,500	0	0	0	0	0	0	0	\$107,500
Construction	\$0	0	1,071,500	0	0	0	0	0	0	0	\$1,071,500
Construction Mgmt	\$0	0	54,000	0	0	0	0	0	0	0	\$54,000
Total	\$0	0	1,394,000	0	\$1,394,000						

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$0	0	139,400	0	0	0	0	0	0	0	\$139,400
Capital Grant - ADOT (417)	\$0	0	1,254,600	0	0	0	0	0	0	0	\$1,254,600
Total	\$0	0	1,394,000	0	\$1,394,000						



City of Chandler
 2015-2024 Capital Improvement Program

Replace Fuel Tank **Airport Project # 6AI718**

The aviation fuel underground storage tank used to dispense aviation fuel for retail sale by the City's airport needs to be replaced with a new above ground storage tank and upgraded leak detection system. The current tank is a single-wall tank in excess of 20 years old. The leak detection system is no longer supported by the manufacturer, making maintenance costs increasingly more expensive. Pending revisions to the Underground Storage Tank Federal Regulations have been to public hearing and are scheduled to be promulgated shortly by the Environmental Protection Agency (EPA). Rule changes will require significant changes to the underground storage tank system and complete replacing of the leak detection system. Although there is no evidence that the current tank is leaking or is an immediate environmental risk, both airport staff and environmental staff believe the underground tank should be replaced as soon as possible with an above ground tank, new leak detection system and new credit card system. The above ground storage tank would not be subject to federal EPA regulation. Construction costs include the cost to remove the old tank and the cost to purchase and install a new tank and monitoring system.

Estimated Total Project Cost: **\$300,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Design	\$25,000	0	0	0	0	0	0	0	0	0	\$25,000
Contingency	\$25,000	0	0	0	0	0	0	0	0	0	\$25,000
Construction	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$300,000	0	\$300,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$300,000	0	0	0	0	0	0	0	0	0	\$300,000
Total	\$300,000	0	\$300,000								



City of Chandler
 2015-2024 Capital Improvement Program

APMS Pavement Improvements Taxiway **Airport** Project # 6AI719

Every year the ADOT Aeronautics Group, utilizing the Airport Pavement Management System (APMS), identifies airport pavement maintenance projects eligible for funding. This project is part of the ADOT APMS. This project will crack seal and overlay portions of the airport taxiway pavement.

Estimated Total Project Cost: **\$83,932** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$83,932	0	0	0	0	0	0	0	0	0	\$83,932
Total	\$83,932	0	\$83,932								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$83,932	0	0	0	0	0	0	0	0	0	\$83,932
Total	\$83,932	0	\$83,932								



City of Chandler
 2015-2024 Capital Improvement Program

APMS Pavement Improvements Runway **Airport Project # 6AI720**

Every year the ADOT Aeronautics Group, utilizing the Airport Pavement Management System (APMS), identifies airport pavement maintenance projects eligible for funding. This project is part of the ADOT APMS. This project will crack seal and overlay the pavement for runway 4L/22R.

Estimated Total Project Cost: **\$43,640** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$43,640	0	0	0	0	0	0	0	0	0	\$43,640
Total	\$43,640	0	\$43,640								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$43,640	0	0	0	0	0	0	0	0	0	\$43,640
Total	\$43,640	0	\$43,640								



City of Chandler
2015-2024 Capital Improvement Program

APMS Pavement Improvements Taxiway Phase 2 **Airport** Project # 6AI721

Every year the ADOT Aeronautics Group, utilizing the Airport Pavement Management System (APMS), identifies airport pavement maintenance projects eligible for funding. This project is part of the ADOT APMS. This project addresses Taxiway C and will crack seal and overlay the remaining portions of the airport taxiway pavement.

Estimated Total Project Cost: **\$43,792** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$0	0	0	43,792	0	0	0	0	0	0	\$43,792
Total	\$0	0	0	43,792	0	0	0	0	0	0	\$43,792

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Airport Operating (635)	\$0	0	0	43,792	0	0	0	0	0	0	\$43,792
Total	\$0	0	0	43,792	0	0	0	0	0	0	\$43,792

COMMUNITY SERVICES



NEW PARK
CONSTRUCTION
MOVES FORWARD



Chandler • Arizona



City of Chandler
2015-2024 Capital Improvement Program

COMMUNITY SERVICES CAPITAL PROGRAM OVERVIEW

The Community Services Department Capital Improvement Program includes funding for Parks, Recreation, Aquatics, the Center for the Arts, Library, and Museum Divisions. Projects include capital improvements for parks, aquatic facilities, and recreation centers. Major infrastructure projects include new parks, recreation center improvements and expansion projects, museum facilities, and library improvements. Major funding sources include general obligation bonds, impact fees, and the General Government Capital Projects fund.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 32,774,710	
2014-2023 Capital Program	\$ 47,085,665	
Difference	\$ (14,310,955)	-30.4%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

6PR047	Aquatic Facility Safety Renovations	FY 2015-2024 Total	\$5,200,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$5,200,000		

This ongoing project focuses on keeping the existing aquatic facilities in compliance with various federal and Maricopa County pool rules and regulations.

6PR049	Existing Neighborhood Park Improvements/Repairs	FY 2015-2024 Total	\$5,990,000	% Change from Previous CIP	2%
		FY 2014-2023 Total	\$5,870,000		

This project makes improvements to existing neighborhood parks. Improvements and repairs typically include playgrounds, irrigation systems, ramadas, and landscaping.

6PR384	Museum	FY 2015-2024 Total	\$3,055,250	% Change from Previous CIP	-76%
		FY 2014-2023 Total	\$12,855,500		

The project provides funding for a planned 75,000 square-foot museum facility as an addition to the McCullough-Price House.

6PR389	Homestead North Park Site	FY 2015-2024 Total	\$1,581,460	% Change from Previous CIP	-17%
		FY 2014-2023 Total	\$1,909,900		

This project will provide funding for a new neighborhood park in support of the City's objective to provide one 10-acre neighborhood park in each one square mile residential area of the City. This project has been accelerated four years resulting in savings from inflation.



City of Chandler
2015-2024 Capital Improvement Program

6PR390 (New)	Homestead South Park Site	FY 2015-2024 Total	\$2,315,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funding for a new neighborhood park in support of the City's objective to provide one 10-acre neighborhood park in each one square mile residential area of the City.

6PR530	Existing Community Park Improvements/Repairs	FY 2015-2024 Total	\$8,305,000	% Change from Previous CIP	8%
		FY 2014-2023 Total	\$7,700,000		

This project allows the Community Services Department to provide the public with an equitable distribution of community park improvements throughout the City.

6PR630	Existing Recreation Center Improvements/Repairs	FY 2015-2024 Total	\$2,600,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$2,600,000		

This project allocates annual funding for various renovations, repairs, and improvements to the City's six existing recreation facilities. Some of these facilities are over 25 years old, and an annual program of improvements is required. The \$70,000 is to be paid by a contribution by the Downtown Chandler Community Partnership.

6PR634	Fitness Equipment	FY 2015-2024 Total	\$184,000	% Change from Previous CIP	-24%
		FY 2014-2023 Total	\$241,050		

This project provides funding to a phased four-year replacement of fitness equipment at the Tumbleweed Recreation Center.

6PR637	Downtown Campus Improvements	FY 2015-2024 Total	\$70,000	% Change from Previous CIP	-83%
		FY 2014-2023 Total	\$411,650		

This project will provide funding for various landscape improvements to the older section of the Downtown Campus. Funding is also included for construction of a stage in the Downtown area to support various cultural and other events.

6PR639	Citrus Vista Park Site	FY 2015-2024 Total	\$1,932,000	% Change from Previous CIP	-2%
		FY 2014-2023 Total	\$1,977,600		

This project will provide funding for a new neighborhood park in support of the City's objective to provide one 10-acre neighborhood park in each one square mile residential area of the City.

6PR640	Layton Lakes Park Site	FY 2015-2024 Total	\$1,446,000	% Change from Previous CIP	-14%
		FY 2014-2023 Total	\$1,672,800		

This project will provide funding for a new neighborhood park in support of the City's objective to provide one 10-acre neighborhood park in each one square mile residential area of the City. This project has been accelerated four years resulting in savings from inflation.



City of Chandler
2015-2024 Capital Improvement Program

6PR641 (New)	Art Center Moving Stage Lights	FY 2015-2024 Total	\$96,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will install new movable lights for the Arts Center. The cost will be split between the City, the Chandler Unified School District, and the Chandler Cultural Foundation.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

The following projects, shown in an earlier CIP, have been deferred to an undetermined future year. The projects will be considered in future CIPs as revenues allow.

- Tumbleweed Park
- Mesquite Groves Park Site
- Lantana Ranch Park Site
- Snedigar Sportsplex
- Senior Center Expansion
- Shawnee Park Satellite Recreation Center
- Center for the Arts Improvements (Phase 2)



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

Community Services - Parks & Recreation Capital - 4580

Proj#	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6PR039	Neighborhood Park Land Acquisition	\$ 1,933	\$ 8,004	\$ -	\$ 9,937
6PR044	Tumbleweed Park	90,000	149,448	-	239,448
6PR047	Aquatic Facility Safety Renovations	638,867	169,141	500,000	1,308,008
6PR049	Existing Neighborhood Park Improvements	154,068	113,103	590,000	857,171
6PR397	Snedigar Sportsplex	-	4,208	-	4,208
6PR400	Roadrunner Park Site	45,000	-	-	45,000
6PR435	Nozomi Park	-	8,384	-	8,384
6PR497	Paseo Vista Recreational Area	783	10,258	-	11,041
6PR530	Existing Community Park Improvements	78,435	513,881	855,000	1,447,316
6PR628	Existing City Building Renovations	85,634	25,482	-	111,116
6PR630	Existing Recreation Center Improvements	848,716	-	250,000	1,098,716
6PR631	Centennial Park Site	1,455,764	412,480	-	1,868,244
6PR633	Veteran's Memorial Park	57,113	1,807,627	-	1,864,740
6PR634	Fitness Equipment	-	-	64,000	64,000
6PR636	Desert Oasis Aquatic Center Util. Conv.	-	100,000	-	100,000
6PR637	Downtown Campus Improvements	25,000	361,650	70,000	456,650
6PR638	Valencia Park Site	1,383,420	266,481	-	1,649,901
6PR639	Citrus Vista Park Site	-	-	1,932,000	1,932,000
6PR641	Art Center Moving Stage Lights	-	-	96,000	96,000
Total Capital Project Expenses		\$ 4,864,733	\$ 3,950,147	\$ 4,357,000	\$ 13,171,880
Fund					
401	General Gov't Capital Projects Fund	\$ 387,084	\$ 674,467	\$ 2,291,000	\$ 3,352,551
417	Capital Grants & Donations	34,135	1,779,789	134,000	1,947,924
420	Park Bond Fund	1,557,397	1,175,407	-	2,732,804
422	Neighborhood Park Impact Fees	57,697	8,004	-	65,701
424	Parks Impact Fees	2,828,420	312,480	1,932,000	5,072,900
Total Capital Project Funding		\$ 4,864,733	\$ 3,950,147	\$ 4,357,000	\$ 13,171,880



City of Chandler
 2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING (con't)

		Community Services - Library Capital - 4320			
		<i>Carryforward Appropriation</i>		<i>2014-15</i>	<i>2014-15</i>
Proj #	Program	Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6PR556	Sunset Library Acquisition	\$ -	\$ 43,500	\$ -	\$ 43,500
Total Capital Project Expenses		\$ -	\$ 43,500	\$ -	\$ 43,500
Fund					
430	Library Bond Funds	\$ -	\$ 43,500	\$ -	\$ 43,500
Total Capital Project Funding		\$ -	\$ 43,500	\$ -	\$ 43,500



City of Chandler
2015-2024 Capital Improvement Program

COMMUNITY SERVICES COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6PR047	Aquatic Facility Safety Renovations	\$ 500,000	\$ 700,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,700,000	\$ 2,500,000	\$ 5,200,000
6PR049	Existing Neighborhood Park Improvements/Repairs	590,000	700,000	500,000	600,000	600,000	2,990,000	3,000,000	5,990,000
6PR384	Museum	-	277,750	-	2,777,500	-	3,055,250	-	3,055,250
6PR389	Homestead North Park Site	-	-	-	1,581,460	-	1,581,460	-	1,581,460
6PR390	Homestead South Park Site	-	-	-	-	2,315,000	2,315,000	-	2,315,000
6PR530	Existing Community Park Improvements/Repairs	855,000	700,000	500,000	1,000,000	1,000,000	4,055,000	4,250,000	8,305,000
6PR630	Existing Recreation Center Improvements/Repairs	250,000	350,000	250,000	250,000	250,000	1,350,000	1,250,000	2,600,000
6PR634	Fitness Equipment	64,000	60,000	60,000	-	-	184,000	-	184,000
6PR637	Downtown Campus Improvements	70,000	-	-	-	-	70,000	-	70,000
6PR639	Citrus Vista Park Site	1,932,000	-	-	-	-	1,932,000	-	1,932,000
6PR640	Layton Lakes Park Site	-	-	1,446,000	-	-	1,446,000	-	1,446,000
6PR641	Art Center Moving Stage Lights	96,000	-	-	-	-	96,000	-	96,000
Total - Community Services		\$ 4,357,000	\$ 2,787,750	\$ 3,256,000	\$ 6,708,960	\$ 4,665,000	\$ 21,774,710	\$ 11,000,000	\$ 32,774,710

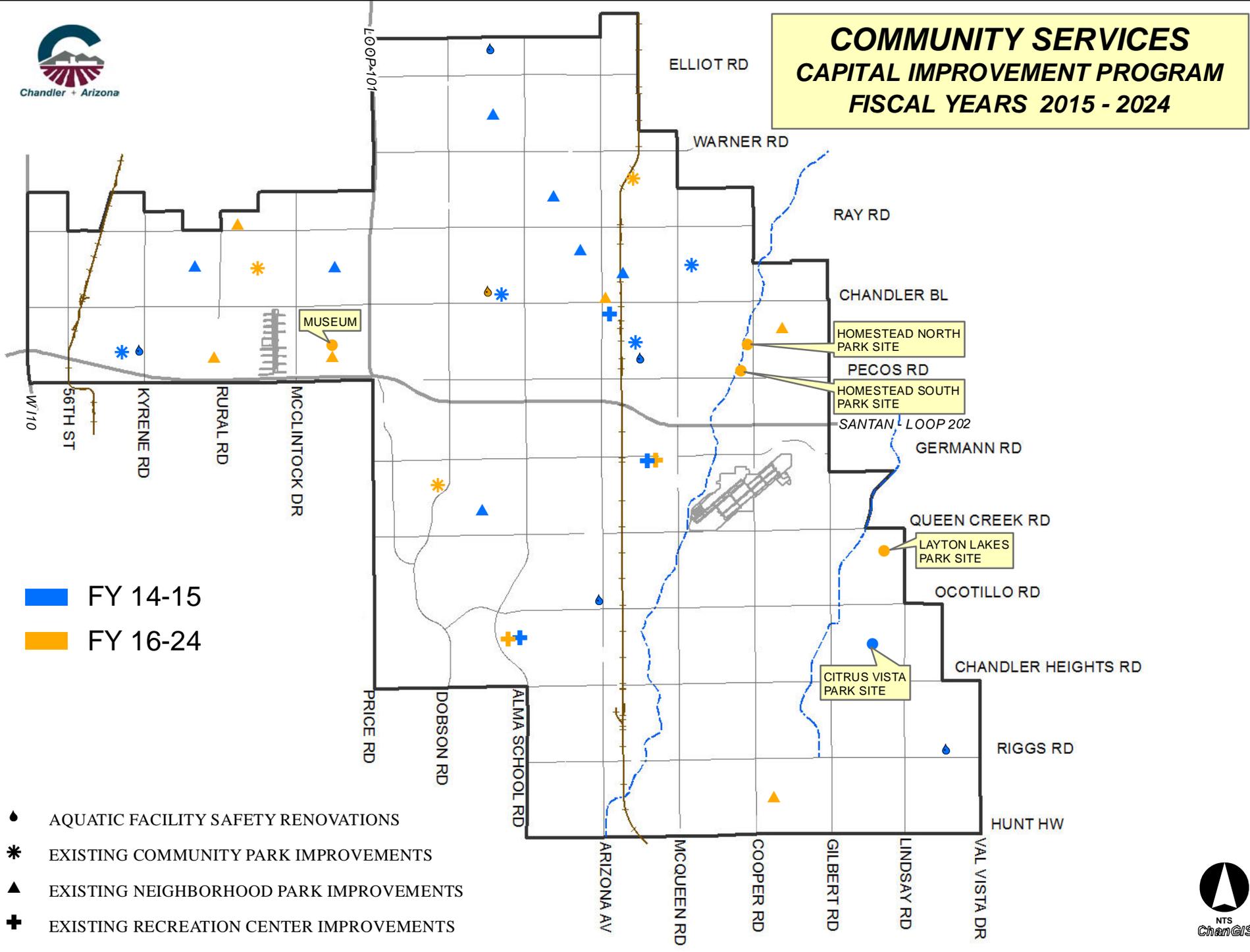
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
General Government Capital Project Fund	\$ 2,291,000	\$ 2,510,000	\$ 1,810,000	\$ -	\$ -	\$ 6,745,000	\$ -	\$ 10,502,700
Capital Grants and Donations	134,000	-	-	-	-	134,000	-	134,000
General Obligation Bonds - Parks	-	-	-	2,350,000	2,350,000	4,700,000	11,000,000	15,700,000
Park Impact Fees*	1,932,000	-	1,446,000	1,581,460	2,315,000	7,274,460	-	7,274,460
General Obligation Bonds - Museum	-	277,750	-	2,777,500	-	3,055,250	-	3,055,250
Total - Community Services	\$ 4,357,000	\$ 2,787,750	\$ 3,256,000	\$ 6,708,960	\$ 4,665,000	\$ 21,774,710	\$ 11,000,000	\$ 32,774,710

* If impact fees are unavailable to cover projects at the time of need, a portion may come from G.O. bonds and will be repaid with future impact fees.



COMMUNITY SERVICES CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

Aquatic Facility Safety Renovations **Parks/Recreation** Project # 6PR047

This program is focused on keeping the six existing Chandler aquatic facilities in compliance with the various federal and Maricopa County swimming pool rules and regulations. Improvements include slide structure repair at Desert Oasis Aquatic Center and Hamilton Aquatic Center, toddler slide replacement at Folley Pool and HVAC repairs at Hamilton Aquatic Center and Mesquite Groves Aquatic Center.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$5,000	7,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	\$52,000
Construction	\$495,000	693,000	495,000	495,000	495,000	495,000	495,000	495,000	495,000	495,000	\$5,148,000
Total	\$500,000	700,000	500,000	\$5,200,000							

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$500,000	700,000	500,000	0	0	0	0	0	0	0	\$1,700,000
Park G.O. Bonds (420)	\$0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$3,500,000
Total	\$500,000	700,000	500,000	\$5,200,000							



City of Chandler
 2015-2024 Capital Improvement Program

Existing Neighborhood Park Improvements/Repairs **Parks/Recreation** Project # 6PR049

It is important to the quality of life in Chandler that the existing parks are maintained and kept updated. This project allows the Community Services Department the ability to provide the public an equitable distribution of neighborhood park improvements throughout the City by renovating neighborhood park amenities such as playgrounds, sport courts, irrigation, ramadas, and landscaping. Projects include but are not limited to the following: Nozomi Park playground improvements, Dobson Park playground improvements, Gazelle Meadows Park lighting improvements, Navarrete Park and Shawnee Park restroom renovations, Harter Park basketball court renovation, and Pine Shadows Park irrigation improvements.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$5,000	7,000	5,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	\$59,000
Construction	\$585,000	693,000	495,000	594,000	594,000	594,000	594,000	594,000	594,000	594,000	\$5,931,000
Total	\$590,000	700,000	500,000	600,000	\$5,990,000						

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$590,000	700,000	500,000	0	0	0	0	0	0	0	\$1,790,000
Park G.O. Bonds (420)	\$0	0	0	600,000	600,000	600,000	600,000	600,000	600,000	600,000	\$4,200,000
Total	\$590,000	700,000	500,000	600,000	\$5,990,000						



City of Chandler
 2015-2024 Capital Improvement Program

Museum	Parks/Recreation Project # 6PR384
---------------	--

The new museum will be an innovative learning environment for sharing the culture and history of Chandler, acknowledging how our City was shaped but also how that history and culture influences our lives in a rapidly changing world. Subject matter of both static and changing exhibits will include Chandler history, art and music, technology, cultural diversity, and other areas with relevance to both the lives of our citizens and of non-residents. The project is 7,500 square feet addition to the McCullough-Price House that will include 4,500 square feet of exhibition space and additional classroom space.

Estimated Total Project Cost: **\$3,148,704** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	2,750	0	27,500	0	0	0	0	0	0	\$30,250
CM At Risk	\$0	0	0	2,750,000	0	0	0	0	0	0	\$2,750,000
Design	\$0	275,000	0	0	0	0	0	0	0	0	\$275,000
Total	\$0	277,750	0	2,777,500	0	0	0	0	0	0	\$3,055,250

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Museum Bonds (435)	\$0	277,750	0	2,777,500	0	0	0	0	0	0	\$3,055,250
Total	\$0	277,750	0	2,777,500	0	0	0	0	0	0	\$3,055,250

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Salary & Benefit	\$0	0	0	80,387	85,819	90,110	94,615	99,346	104,313	109,529	\$664,129
Ongoing Expenses	\$0	0	0	0	132,680	132,680	132,680	132,680	132,680	132,680	\$796,080
Total	\$0	0	0	80,387	218,499	222,790	227,295	232,026	236,993	242,209	\$1,460,199

<u>FTE</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>
Total	0	0	0	1						



City of Chandler
2015-2024 Capital Improvement Program

Homestead North Park Site **Parks/Recreation** **Project # 6PR389**

The Homestead North Park site is 7.60 acres in size and is located in the square mile bordered by Chandler Boulevard, Pecos Road, McQueen Road, and Cooper Road. This park will serve the neighborhood park needs for the square mile. Typical amenities included in neighborhood parks are lighted paths, playgrounds, sand volleyball courts, basketball courts, ramadas, open space, and landscaping. This park is also adjacent to the Paseo System along the Consolidated Canal and will offer amenities relating to the trail project.

Estimated Total Project Cost: **\$1,581,460** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	11,949	0	0	0	0	0	0	\$11,949
Park Development	\$0	0	0	1,450,020	0	0	0	0	0	0	\$1,450,020
Design	\$0	0	0	119,491	0	0	0	0	0	0	\$119,491
Total	\$0	0	0	1,581,460	0	0	0	0	0	0	\$1,581,460

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Parks Impact (424)	\$0	0	0	1,581,460	0	0	0	0	0	0	\$1,581,460
Total	\$0	0	0	1,581,460	0	0	0	0	0	0	\$1,581,460

Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	0	0	0	34,357	34,357	34,357	34,357	34,357	34,357	\$206,142
Total	\$0	0	0	0	34,357	34,357	34,357	34,357	34,357	34,357	\$206,142



City of Chandler
 2015-2024 Capital Improvement Program

Homestead South Park Site **Parks/Recreation** **Project # 6PR390**

Homestead South Park site is 10.90 acres in size and is located on the northeast corner of Pecos Road and the Consolidated Canal. This park will function as a buffer between the commercial development on Pecos and Cooper Roads and the Paseo System along the Consolidated Canal. The park will be designed and developed so that it has a direct relationship with the commercial development and the Paseo System. Typical amenities could include lighted paths, playgrounds, ramadas, open space, and landscaping.

Estimated Total Project Cost: **\$2,315,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	0	17,566	0	0	0	0	0	\$17,566
Park Development	\$0	0	0	0	2,121,774	0	0	0	0	0	\$2,121,774
Design	\$0	0	0	0	175,660	0	0	0	0	0	\$175,660
Total	\$0	0	0	0	2,315,000	0	0	0	0	0	\$2,315,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Parks Impact (424)	\$0	0	0	0	2,315,000	0	0	0	0	0	\$2,315,000
Total	\$0	0	0	0	2,315,000	0	0	0	0	0	\$2,315,000

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	0	0	0	0	50,999	50,999	50,999	50,999	50,999	\$254,995
Total	\$0	0	0	0	0	50,999	50,999	50,999	50,999	50,999	\$254,995



City of Chandler
 2015-2024 Capital Improvement Program

Existing Community Park Improvements/Repairs **Parks/Recreation** Project # 6PR530

Community parks are not a mere expenditure but an investment in the future well-being of individuals and groups as well as the continued viability of the communities within Chandler. Each year citizens make requests to the Community Services Department for improvements in many of the City's existing nine community parks. This project allows the Community Services Department the ability to provide the public an equitable distribution of community park improvements throughout the City. These improvements include the renovation of playgrounds, sport courts, irrigation systems, park lighting, restrooms, parking lots, and landscaping. As the City reaches build out, it is very important to upgrade the existing community parks as needed so that the recreational needs of the community are met. Projects included in this program include but are not limited to: Snedigar Sportsplex shade structures, Snedigar restroom improvements, Chuparosa Park athletic fields, Nozomi Park parking lot improvements, Pima Park ballfield improvements, Arrowhead Park ramada improvements, and Folley Park improvements.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$6,000	7,000	5,000	10,000	10,000	10,000	10,000	7,500	7,500	7,500	\$80,500
Construction	\$849,000	693,000	495,000	990,000	990,000	990,000	990,000	742,500	742,500	742,500	\$8,224,500
Total	\$855,000	700,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	750,000	750,000	750,000	\$8,305,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$855,000	700,000	500,000	0	0	0	0	0	0	0	\$2,055,000
Park G.O. Bonds (420)	\$0	0	0	1,000,000	1,000,000	1,000,000	1,000,000	750,000	750,000	750,000	\$6,250,000
Total	\$855,000	700,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	750,000	750,000	750,000	\$8,305,000



City of Chandler
 2015-2024 Capital Improvement Program

Existing Recreation Center Improvements/Repairs **Parks/Recreation** Project # 6PR630

This project allocates funding for various improvements and/or renovations to the City's existing recreational facilities. This project allows for upgrades and/or renovations for six facilities which includes the Tumbleweed Recreation Center, Snedigar Recreation Center, Tennis Center, Environmental Education Center, Community Center, and the Senior Center. Projects included in this program include but are not limited to: Community Center multi-purpose flooring, Snedigar Recreation Center multi-purpose flooring, and Tumbleweed Recreation Center fitness floor electrical.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$2,500	3,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	\$26,000
Construction	\$247,500	346,500	247,500	247,500	247,500	247,500	247,500	247,500	247,500	247,500	\$2,574,000
Total	\$250,000	350,000	250,000	\$2,600,000							

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$250,000	350,000	250,000	0	0	0	0	0	0	0	\$850,000
Park G.O. Bonds (420)	\$0	0	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	\$1,750,000
Total	\$250,000	350,000	250,000	\$2,600,000							



City of Chandler
 2015-2024 Capital Improvement Program

Fitness Equipment **Parks/Recreation** Project # 6PR634

For FY 2014-15 staff is requesting \$64,000 for the replacement of 5 treadmills, 2 ellipticals, 1 stair climber, and 1 recumbent bike (9 pieces). When the Tumbleweed Recreation Center (TRC) opened in February 2008, approximately \$200,000 was expended on 40 pieces of cardiovascular equipment, free weights, and circuit strength training equipment to equip the fitness floor of the TRC. As part of our five-year replacement plan, for FY 2013-14 we received \$61,050 to replace 8 pieces of cardiovascular equipment. This is the third year of our five-year cardiovascular equipment replacement plan. The 9 pieces of cardiovascular equipment needing to be replaced are the most popular/used equipment. Staff has extended the life of all the cardiovascular equipment by providing ongoing maintenance, as well as contracting with a provider to ensure that quarterly service is being provided. One of the main attractions of the TRC Passes is the fitness component offered at the facility, which generated \$767,875 in revenue during FY 2012-13. To continue to compete with other fitness clubs, it is important to maintain a high level of equipment quality. The life expectancy of the requested new cardiovascular equipment is 5-7 years. Additionally, in the future fiscal years, the remaining cardiovascular equipment will be inspected and evaluated to determine their replacement needs. Strength training equipment has a longer life span of 10 years.

Estimated Total Project Cost: **\$245,050** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$64,000	60,000	60,000	0	0	0	0	0	0	0	\$184,000
Total	\$64,000	60,000	60,000	0	\$184,000						

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$64,000	60,000	60,000	0	0	0	0	0	0	0	\$184,000
Total	\$64,000	60,000	60,000	0	\$184,000						



City of Chandler
2015-2024 Capital Improvement Program

Downtown Campus Improvements **Parks/Recreation** Project # 6PR637

As a part of the FY 2013-14 capital budget, funding in the amount of \$411,650 was approved for the construction of a downtown stage as well landscaping improvements to the downtown Library, Transportation and Development building, and the Information Technology building. The estimated cost for the design and construction of the stage is \$365,000. The Downtown Chandler Community Partnership (DCCP) will be contributing \$70,000 towards the cost of the stage. The remaining funds will be used for the aforementioned facility landscaping improvements.

Estimated Total Project Cost: **\$481,650** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Additional Services	\$70,000	0	0	0	0	0	0	0	0	0	\$70,000
Total	\$70,000	0	\$70,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants - Parks Capital (417)	\$70,000	0	0	0	0	0	0	0	0	0	\$70,000
Total	\$70,000	0	\$70,000								



City of Chandler
2015-2024 Capital Improvement Program

Citrus Vista Park Site **Parks/Recreation** Project # 6PR639

The City's system of neighborhood parks is intended to serve Chandler's residential areas with a variety of passive and active recreational facilities. As stated in the Parks and Recreation Master Plan, it is the City's goal to provide, where possible, at least one ten-acre neighborhood park per each residential section. Funding is proposed for FY 2014-15 for design and development of the Citrus Vista Park site. This park is 10.02 acres in size and is located in the square mile bordered by Ocotillo, Lindsay, Chandler Heights, and Gilbert Roads. This park will serve the neighborhood park needs for the square mile. Typical amenities included in neighborhood parks are lighted paths, playgrounds, sand volleyball courts, ramadas, open space, and landscaping.

Estimated Total Project Cost: **\$1,932,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$14,629	0	0	0	0	0	0	0	0	0	\$14,629
Design	\$146,291	0	0	0	0	0	0	0	0	0	\$146,291
Construction	\$1,771,080	0	0	0	0	0	0	0	0	0	\$1,771,080
Total	\$1,932,000	0	\$1,932,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Parks Impact (424)	\$1,932,000	0	0	0	0	0	0	0	0	0	\$1,932,000
Total	\$1,932,000	0	\$1,932,000								

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	42,063	42,063	42,063	42,063	42,063	42,063	42,063	42,063	42,063	\$378,567
Total	\$0	42,063	\$378,567								



City of Chandler
 2015-2024 Capital Improvement Program

Layton Lakes Park Site **Parks/Recreation** Project # 6PR640

The City's system of neighborhood parks is intended to serve Chandler's residential areas with a variety of passive and active recreational facilities. As stated in the Parks and Recreation Master Plan, it is the City's goal to provide, where possible, at least one ten-acre neighborhood park per each residential section. Funding is proposed for FY 2016-17 for design and development of the Layton Lakes Park site. This park is 7.11 acres in size and is located in the square mile bordered by Queen Creek, Lindsay, Ocotillo, and Gilbert Roads. This park will serve the neighborhood park needs for the square mile. Typical amenities included in neighborhood parks are lighted paths, playgrounds, sand volleyball courts, ramadas, open space, and landscaping.

Estimated Total Project Cost: **\$1,446,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	10,906	0	0	0	0	0	0	0	\$10,906
Construction	\$0	0	1,326,033	0	0	0	0	0	0	0	\$1,326,033
Design	\$0	0	109,061	0	0	0	0	0	0	0	\$109,061
Total	\$0	0	1,446,000	0	\$1,446,000						

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Parks Impact (424)	\$0	0	1,446,000	0	0	0	0	0	0	0	\$1,446,000
Total	\$0	0	1,446,000	0	\$1,446,000						

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	0	0	31,357	31,357	31,357	31,357	31,357	31,357	31,357	\$219,499
Total	\$0	0	0	31,357	\$219,499						



City of Chandler
2015-2024 Capital Improvement Program

Art Center Moving Stage Lights **Parks/Recreation** Project # 6PR641

In 2001, moving light fixtures were purchased for the Arts Center and they are now reaching the end of their useful life. We are requesting \$96,000 to replace the inventory. Chandler Unified School District (CUSD) and the Chandler Cultural Foundation (CCF) will be asked to participate in the cost. The cost will be split three-ways at a net cost of \$32,0000 to each entity (City, CUSD, CCF). Moving lights produce a revolving light effect on stage during a production. More touring artists are requesting this type of lighting and with newer technology than the current inventory. The new fixtures will have LED light sources and will reduce power consumption. The Chandler Center for the Arts will celebrate its 25th anniversary in FY 2014-15. Under the Center's multi-use model, it operates seven days per week and serves more than 300,000 people each year. Moving lights are used in local and national productions, at an estimated minimum frequency of 20-25 times per year. The average rental cost, if the Center were to rent the fixtures is \$1,500 per event. As stated above, staff will submit a request to CUSD and CCF to create a 3-way split on this cost. A decision to participate from CUSD and CCF would be known in May or June of 2014, once their respective budgeting cycles are completed. We are budgeting the entire cost since we do not have a commitment from the other parties to share the cost.

Estimated Total Project Cost: **\$96,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$96,000	0	0	0	0	0	0	0	0	0	\$96,000
Total	\$96,000	0	\$96,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants - Parks Capital (417)	\$64,000	0	0	0	0	0	0	0	0	0	\$64,000
General Govt Capital Projects (401)	\$32,000	0	0	0	0	0	0	0	0	0	\$32,000
Total	\$96,000	0	\$96,000								



City of Chandler
2015-2024 Capital Improvement Program



FIRE



CHANDLER
PUBLIC SAFETY:
PROTECTING, SERVING



Chandler · Arizona



City of Chandler
2015-2024 Capital Improvement Program

FIRE DEPARTMENT CAPITAL PROGRAM OVERVIEW

The Fire Department Capital Improvement Program is used to program new fire stations, fire training facilities, and certain capital equipment purchases necessary for the safety of firefighters. Primary funding sources are general obligation bonds, impact fees, and grants.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 13,489,752	
2014-2023 Capital Program	\$ 14,653,952	
Difference	\$ (1,164,200)	-7.9%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

6FI611	Southeast Fire Station	FY 2015-2024 Total	\$7,405,952	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$7,405,952		

The project remains programmed for construction in FY 2019-20. The new station will improve fire response coverage in Southeast Chandler.

6FI634 (New)	Training Center Expansion	FY 2015-2024 Total	\$5,333,800	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project to expand the Training Center facilities has been on hold but returns to the adopted CIP.

6FI641 (New)	Fire Vehicles Greater than \$100,000 each	FY 2015-2024 Total	\$500,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project is to fund the purchase of a new fire truck using the Vehicle Replacement Fund.

6FI642 (New)	Rescue Vehicle	FY 2015-2024 Total	\$250,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will fund the purchase of a rescue vehicle and a pick-up truck using funds from the Ambulance Reserve.

DEFERRED PROJECTS

None.



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

		Fire Department Capital - 2250			
Proj #	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
		Purchase Orders	March 2014	Appropriation	Appropriation
6FI611	Southeast Fire Station	\$ -	\$ 371,079	\$ -	\$ 371,079
6FI636	SCBA Replacement	-	1,720,700	-	1,720,700
6FI638	Fire Station #1 Relocation	5,205,666	370,540	-	5,576,206
6FI641	Vehicle Replacement Prog - Over \$100k ⁽¹⁾	497,871	1,002,129	500,000	2,000,000
6FI642	Rescue Vehicle	-	-	250,000	250,000
Total Capital Project Expenses		\$ 5,703,537	\$ 3,464,448	\$ 750,000	\$ 9,917,985
Fund					
401	General Govt Capital Projects Fund	\$ 2,178,344	\$ 1,807,462	\$ 250,000	\$ 4,235,806
404	Vehicle Replacement Fund	497,871	1,002,129	500,000	2,000,000
470	Public Safety Bond Fund	-	132,719	-	132,719
475	Fire Impact Fees	3,027,322	522,138	-	3,549,460
Total Capital Project Funding		\$ 5,703,537	\$ 3,464,448	\$ 750,000	\$ 9,917,985

⁽¹⁾ In the 2014-2023 Capital Improvement Program this project was presented within the General Government Section.



City of Chandler
2015-2024 Capital Improvement Program

FIRE COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6FI611	Southeast Fire Station - Ocotillo/Gilbert	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,405,952	\$ 7,405,952
6FI634	Training Center Expansion	-	-	-	5,333,800	-	5,333,800	-	5,333,800
6FI641	Fire Vehicles Greater than \$100,000 each	500,000	-	-	-	-	500,000	-	500,000
6FI642	Rescue Vehicles	250,000	-	-	-	-	250,000	-	250,000
Total - Public Safety - Fire		\$ 750,000	\$ -	\$ -	\$ 5,333,800	\$ -	\$ 6,083,800	\$ 7,405,952	\$ 13,489,752

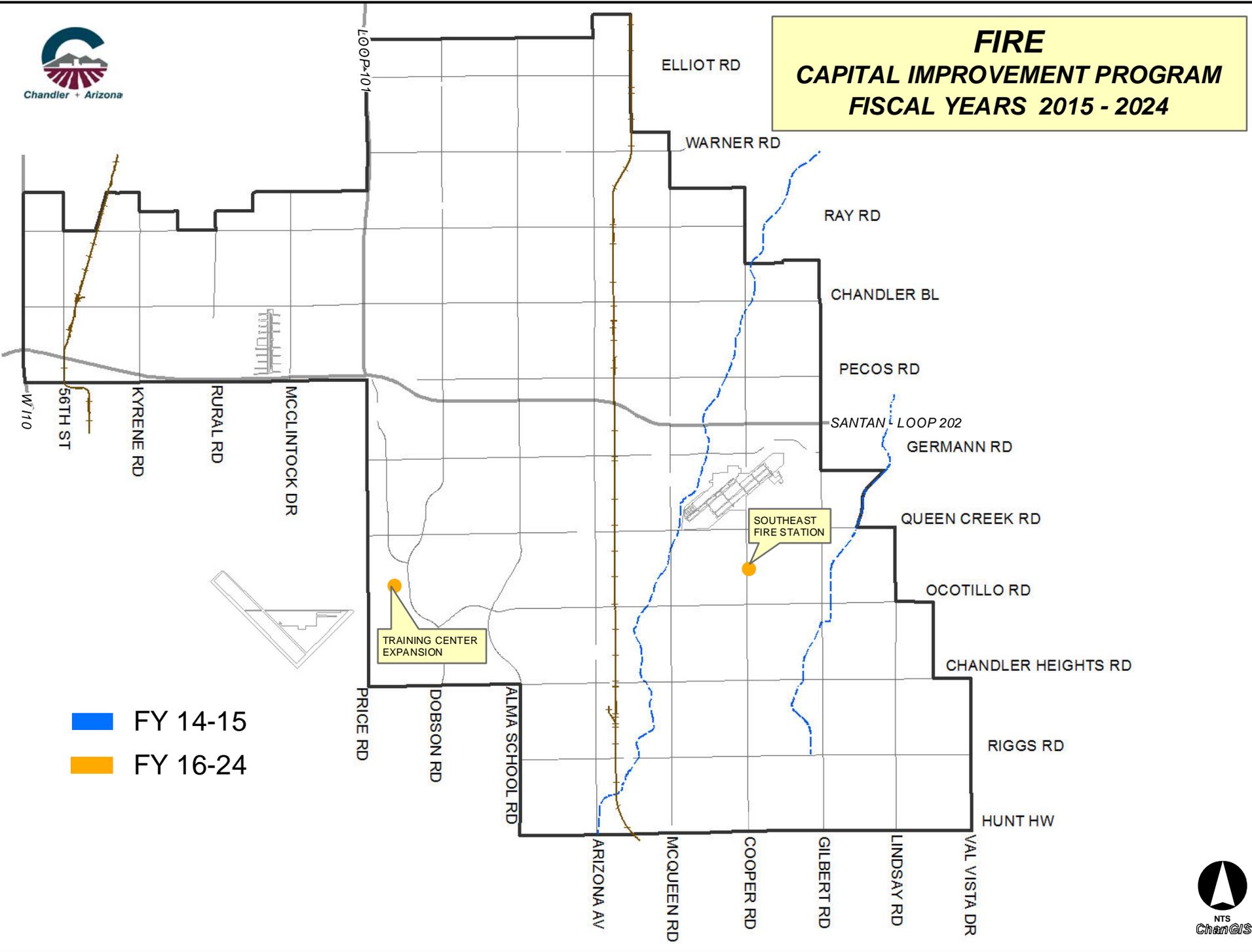
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
General Government Capital Projects Fund	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000
Vehicle Replacement Fund	500,000	-	-	-	-	500,000	-	500,000
General Obligation Bonds - Fire	-	-	-	5,333,800	-	5,333,800	814,655	6,148,455
Fire Impact Fees*	-	-	-	-	-	-	6,591,297	6,591,297
Total - Public Safety - Fire	\$ 750,000	\$ -	\$ -	\$ 5,333,800	\$ -	\$ 6,083,800	\$ 7,405,952	\$ 13,489,752

* If impact fees are unavailable to cover projects at the time of need, a portion may come from G.O. bonds and will be repaid with future impact fees.



FIRE CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
2015-2024 Capital Improvement Program

Southeast Fire Station **Fire Project # 6FI611**

This request is to construct a fire station located in southeast Chandler at 3500 S. Cooper Road. The station will house one paramedic fire unit and require 12 additional personnel. The primary reason for this project is the continued development and growth of the southeastern portion of the City. This station will provide coverage for current and future service demands in this area of the City. This station is determined to be necessary based on the Department's Standards of Response Coverage analysis (SORC).

This analysis is part of the accreditation process for the Department. The Department has relied on this analysis for the timing and location of fire stations. For the 2009 SORC, the Department expanded the scope of planning to include the National Fire Protection Association's Standard 1710. This standard has changed the response parameters for the Department, resulting in a change of fire station locations. Only one future growth related station is necessary in the southeast portion of the City, the land for this station is already owned by the City. This fire station will be designed and built to meet LEED Certification at the Silver Level. Efficiency enhancements will also include the use of reclaimed water and a solar photovoltaic system.

Estimated Total Project Cost: **\$8,109,617** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	0	0	45,945	0	0	0	0	\$45,945
Municipal Arts	\$0	0	0	0	0	7,803	0	0	0	0	\$7,803
Fees	\$0	0	0	0	0	143,508	0	0	0	0	\$143,508
Equipment	\$0	0	0	0	0	1,264,291	0	0	0	0	\$1,264,291
Design	\$0	0	0	0	0	476,950	0	0	0	0	\$476,950
Contingency	\$0	0	0	0	0	413,505	0	0	0	0	\$413,505
Construction	\$0	0	0	0	0	4,594,500	0	0	0	0	\$4,594,500
Construction Mgmt	\$0	0	0	0	0	459,450	0	0	0	0	\$459,450
Total	\$0	0	0	0	0	7,405,952	0	0	0	0	\$7,405,952

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Fire Impact (475)	\$0	0	0	0	0	6,591,297	0	0	0	0	\$6,591,297
Public Safety Bonds - Fire (470)	\$0	0	0	0	0	814,655	0	0	0	0	\$814,655
Total	\$0	0	0	0	0	7,405,952	0	0	0	0	\$7,405,952



City of Chandler
 2015-2024 Capital Improvement Program

Southeast Fire Station										Fire	Project # 6FI611
Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	Total
Salary & Benefit	\$0	0	0	0	0	0	1,173,620	1,267,032	1,330,383	1,396,902	\$5,167,937
One Time	\$0	0	0	0	0	852,399	0	0	0	0	\$852,399
Ongoing Expenses	\$0	0	0	0	0	0	429,955	429,955	429,955	429,955	\$1,719,820
Total	\$0	0	0	0	0	852,399	1,603,575	1,696,987	1,760,338	1,826,857	\$7,740,155

FTE	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>
Total	0	0	0	0	0	0	12	12	12	12



City of Chandler
2015-2024 Capital Improvement Program

Training Center Expansion Phase II **Fire Project # 6FI634**

In June 2005, Intel Corporation donated an additional five acres of land directly adjacent to the Fire Department's Training Facility. This land will be used for the future expansion of the Training Facility. The planned expansion for the five acres will occur in three phases. Phase One has been completed, which included the design of a multi-purpose burn building and the master site plan. Phase Two will be the construction of the multi-purpose burn building. The design of the building will allow firefighters to train in three common fire settings: strip mall, warehouse/big box, and residential. There will be an exterior classroom for use during fire scenario instruction. Phase Three of the project is for the design and construction of a utility building and additional classroom space that will be needed when the Department reaches build-out. This phase is not part of the current CIP since it is outside the 10-year time frame.

Estimated Total Project Cost: **\$5,333,800** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	36,719	0	0	0	0	0	0	\$36,719
Municipal Arts	\$0	0	0	5,800	0	0	0	0	0	0	\$5,800
Fees	\$0	0	0	137,959	0	0	0	0	0	0	\$137,959
Equipment	\$0	0	0	646,246	0	0	0	0	0	0	\$646,246
Design	\$0	0	0	137,500	0	0	0	0	0	0	\$137,500
Contingency	\$0	0	0	330,472	0	0	0	0	0	0	\$330,472
Construction	\$0	0	0	3,671,913	0	0	0	0	0	0	\$3,671,913
Construction Mgmt	\$0	0	0	367,191	0	0	0	0	0	0	\$367,191
Total	\$0	0	0	5,333,800	0	0	0	0	0	0	\$5,333,800

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Public Safety Bonds - Fire (470)	\$0	0	0	5,333,800	0	0	0	0	0	0	\$5,333,800
Total	\$0	0	0	5,333,800	0	0	0	0	0	0	\$5,333,800

Operations and Maintenance Impact	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	0	0	0	77,094	77,094	77,094	77,094	77,094	77,094	\$462,564
Total	\$0	0	0	0	77,094	77,094	77,094	77,094	77,094	77,094	\$462,564



City of Chandler
 2015-2024 Capital Improvement Program

Fire Vehicle Over \$100,000 **Fire** Project # 6FI641

This capital project provides funding for large vehicles in the fleet that typically cost more than \$100,000 and are only purchased on an "as needed" basis. This request is for \$500,000 and is for one fire engine.

Estimated Total Project Cost: **\$500,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$500,000	0	0	0	0	0	0	0	0	0	\$500,000
Total	\$500,000	0	\$500,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Vehicle Replacement (404)	\$500,000	0	0	0	0	0	0	0	0	0	\$500,000
Total	\$500,000	0	\$500,000								



City of Chandler
 2015-2024 Capital Improvement Program

Rescue Vehicles **Fire Project # 6F1642**

This request is for two vehicles. The vehicles will be used to redeploy existing personnel resources into two person response teams. These vehicles will allow the Department to begin to implement the "Community Health Service Model" that the Department has developed to better meet community needs and provide a more efficient response. One vehicle will be a rescue type vehicle that will allow for "all hazard" response and the second vehicle will be a utility body vehicle. While each vehicle serves a different response purpose, both will be utilized in implementing the Community Health Service Model. The purchase will be made with General Fund monies utilizing excess ambulance contract revenue in the Ambulance Reserve. The one-time cost is for fixed equipment (oxygen tanks/regulator, drug box, suction unit, blood pressure cuff, and misc. medical equipment; stretcher; heart monitor; all hazard equipment; mobile computer terminal; and automatic vehicle locator). This request also includes an on-going request for fuel, repair/maintenance, and additional dispatch equipment fees.

Estimated Total Project Cost: **\$250,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
One Time	\$44,000	0	0	0	0	0	0	0	0	0	\$44,000
Ongoing Expenses	\$27,754	27,754	27,754	27,754	27,754	27,754	27,754	27,754	27,754	27,754	\$277,540
Total	\$71,754	27,754	\$321,540								



City of Chandler
2015-2024 Capital Improvement Program



POLICE



STRONG COMMITMENT TO
SWIFT AND EFFECTIVE
CITIZEN RESPONSE



Chandler • Arizona



City of Chandler
2015-2024 Capital Improvement Program

POLICE DEPARTMENT CAPITAL PROGRAM OVERVIEW

The Police Department Capital Improvement Program is used to finance infrastructure and equipment necessary for the safe and efficient operation of the Police Department. Included are police substations, headquarters facilities and upgrades, training facilities, communications equipment, and certain capital equipment required for the police officers. Primary funding sources are general obligation bonds and impact fees.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$	6,939,438	
2014-2023 Capital Program	\$	7,274,742	
Difference	\$	(335,304)	-4.6%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

6PD035	Police Driver Training Facility	FY 2015-2024 Total	\$5,179,078	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$5,179,078		

This project will construct a driver training facility for the Police Department.

6PD607	Radio System Narrow Band Conversion	FY 2015-2024 Total	\$1,760,360	% Change from Previous CIP	-16%
		FY 2014-2023 Total	\$2,095,664		

This program covers the City's contribution to the Regional Wireless Cooperative. Payments started in FY 2013-14 and will continue through FY 2016-17.

NEW PROJECTS

None.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

The following project, shown in an earlier CIP, has been deferred to an undetermined future year. The project will be considered in future CIPs as revenues allow.

Police Training Facility



City of Chandler
 2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

		Police Department Capital - 2100			
Proj #	Program	<i>Carryforward Appropriation</i>		<i>2014-15</i>	<i>2014-15</i>
		<i>Encumbered</i>	<i>Unencumbered</i>	<i>New</i>	<i>Total</i>
		Purchase Orders	March 2014	Appropriation	Appropriation
6PD035	Police Driver Training Facility	\$ -	\$ 968,271	\$ -	\$ 968,271
6PD606	Records Management System	-	676,280	-	676,280
6PD607	Radio System Narrow Band Converter	-	-	440,090	440,090
Total Capital Project Expenses		\$ -	\$ 1,644,551	\$ 440,090	\$ 2,084,641
Fund					
401	General Govt Capital Projects Fund	\$ -	\$ 676,280	\$ 440,090	\$ 1,116,370
460	Public Safety Bond Fund	-	968,271	-	968,271
Total Capital Project Funding		\$ -	\$ 1,644,551	\$ 440,090	\$ 2,084,641



City of Chandler
2015-2024 Capital Improvement Program

POLICE COST SUMMARY

Project Cost by Fiscal Year

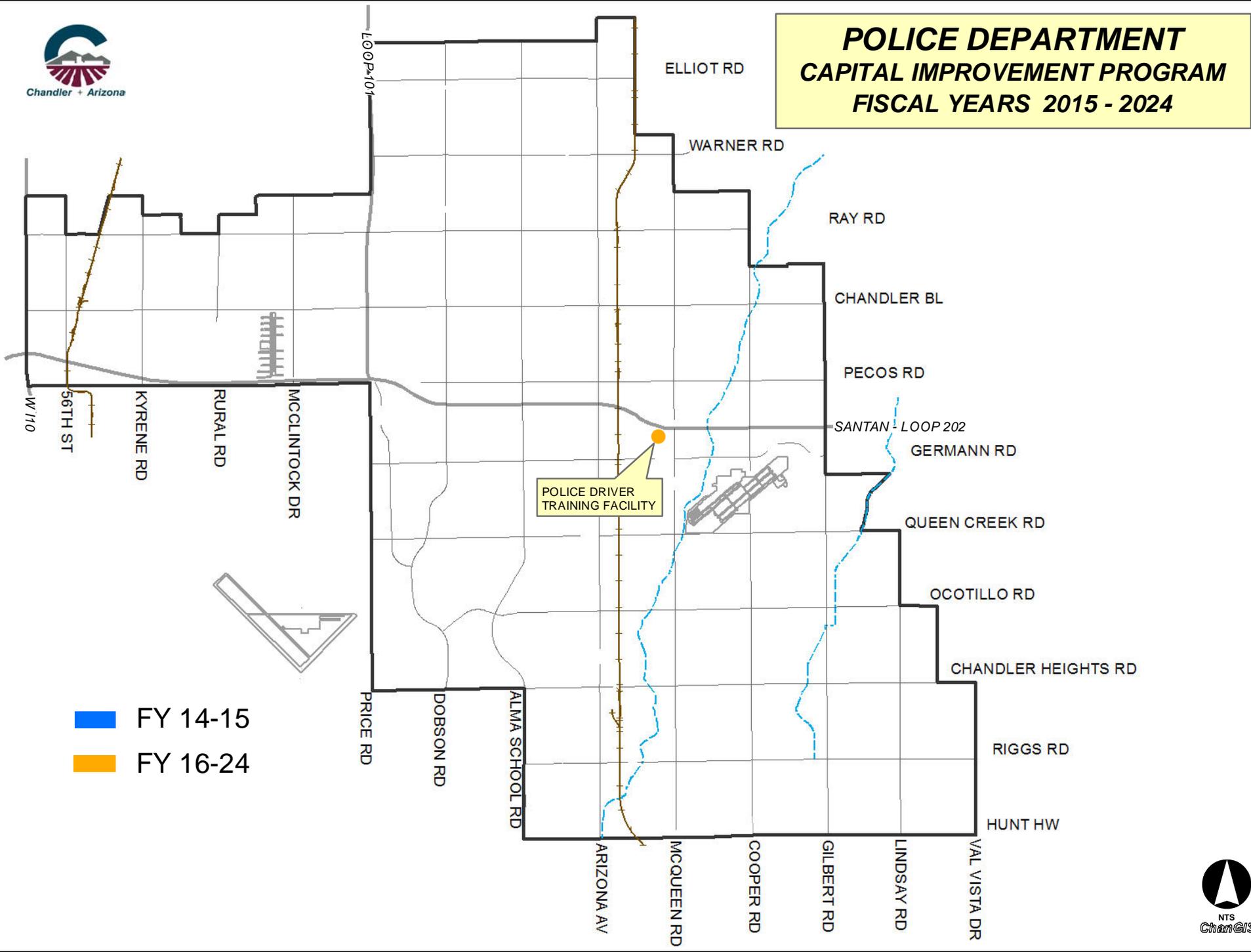
Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6PD035	Police Driver Training Facility	\$ -	\$ -	\$ -	\$ 5,179,078	\$ -	\$ 5,179,078	\$ -	\$ 5,179,078
6PD607	Radio System Narrow Band Conversion	440,090	440,090	440,090	440,090	-	1,760,360	-	1,760,360
Total - Public Safety - Police		\$ 440,090	\$ 440,090	\$ 440,090	\$ 5,619,168	\$ -	\$ 6,939,438	\$ -	\$ 6,939,438

Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
General Government Capital Project Fund	\$ 440,090	\$ 440,090	\$ 440,090	\$ 440,090	\$ -	\$ 1,760,360	\$ -	\$ 1,760,360
General Obligation Bonds - Police	-	-	-	5,179,078	-	5,179,078	-	5,179,078
Total - Public Safety - Police	\$ 440,090	\$ 440,090	\$ 440,090	\$ 5,619,168	\$ -	\$ 6,939,438	\$ -	\$ 6,939,438



POLICE DEPARTMENT CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
2015-2024 Capital Improvement Program

Police Driver Training Facility **Police Project # 6PD035**

This project was moved to FY 2017-18 during the 2013-22 CIP process. A majority of the land required for this project has been acquired and efforts will continue to purchase the remainder of the land needed for this project. This project is for design and construction of an urban driving environment, including a block wall and roadway improvements specific to the property. This project is related to 6PD579 - Police Training Facility, which is on hold. Police officers spend a majority of their time operating a motor vehicle. This project will provide the Department with driver training in a controlled environment.

Estimated Total Project Cost: **\$10,348,954** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	51,278	0	0	0	0	0	0	\$51,278
Design	\$0	0	0	512,800	0	0	0	0	0	0	\$512,800
Construction	\$0	0	0	4,615,000	0	0	0	0	0	0	\$4,615,000
Total	\$0	0	0	5,179,078	0	0	0	0	0	0	\$5,179,078

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Public Safety Bonds - Police (460)	\$0	0	0	5,179,078	0	0	0	0	0	0	\$5,179,078
Total	\$0	0	0	5,179,078	0	0	0	0	0	0	\$5,179,078

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
One Time	\$0	0	0	0	130,000	0	0	0	0	0	\$130,000
Ongoing Expenses	\$0	0	0	0	175,351	175,351	175,351	175,351	175,351	175,351	\$1,052,106
Total	\$0	0	0	0	305,351	175,351	175,351	175,351	175,351	175,351	\$1,182,106



City of Chandler
2015-2024 Capital Improvement Program

Radio System Narrow Band Conversion **Police** Project # 6PD607

The Federal Communications Commission (FCC) has mandated that by 2017 all users of 700 and 800 MHz radio frequencies convert to narrow band equipment. This mandate has resulted in a \$47.5 million projected expense to the Regional Wireless Cooperative (RWC) over the next four years. The Chandler Police Department’s share of this is estimated to be \$2.2 million. Several payment options were explored by the RWC and the governance committee. The current funding plan is for five equal annual payments that began in FY 2013-14 and will end in FY 2017-18. The Chandler Police Department is responsible for \$440,090 for FY 2014-15 based on our percentage of total radios on the system. This is the second year of five equal payments. The funding shown in the CIP represents the most recent information but is subject to further revisions. At this time, no additional radio operations and maintenance (O&M) has been determined necessary. As the project progresses, O&M may be required and will be addressed at that time.

Estimated Total Project Cost: **\$2,200,450** Estimated total project cost includes prior spending, carryforward, and future appropriation.

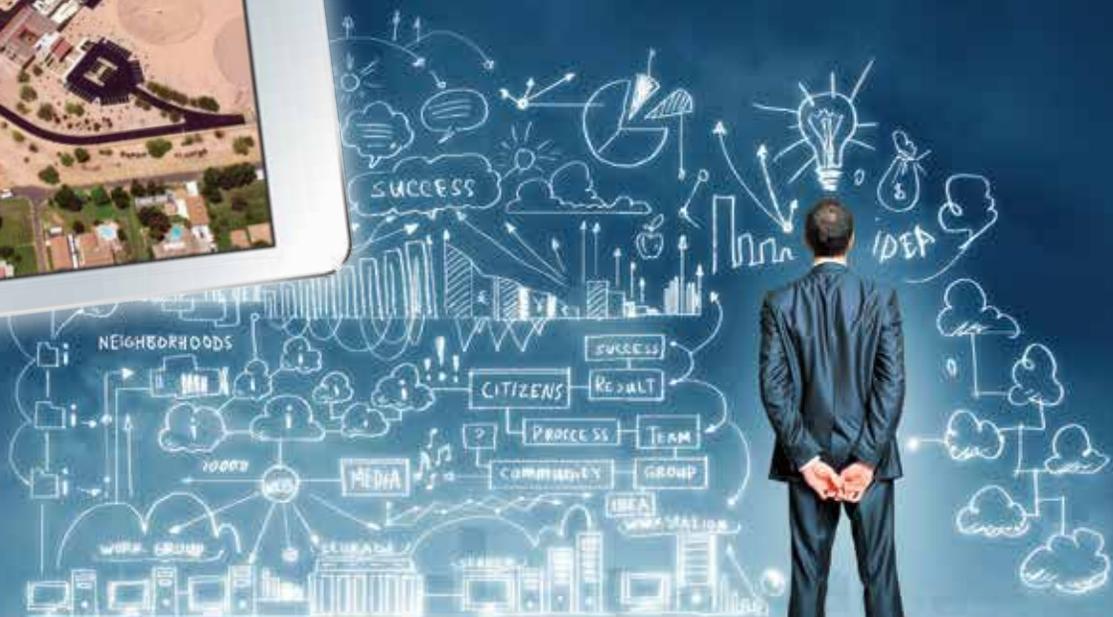
<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$440,090	440,090	440,090	440,090	0	0	0	0	0	0	\$1,760,360
Total	\$440,090	440,090	440,090	440,090	0	0	0	0	0	0	\$1,760,360

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$440,090	440,090	440,090	440,090	0	0	0	0	0	0	\$1,760,360
Total	\$440,090	440,090	440,090	440,090	0	0	0	0	0	0	\$1,760,360

WATER



FISCAL STRENGTH
= LOWER COST
OF SERVICE



Chandler · Arizona



City of Chandler
2015-2024 Capital Improvement Program

MUNICIPAL UTILITIES – WATER CAPITAL PROGRAM OVERVIEW

The Water Capital Improvement Program (CIP) is used to build, upgrade, and refurbish facilities used by the City's water system. Included are programs for new and replacement water mains, water treatment plants and plant expansions, and other related capital projects. The primary funding sources are bonds, system development fees, and water operating funds.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$	237,056,099	
2014-2023 Capital Program	\$	177,286,310	
Difference	\$	59,769,789	33.7%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES
from prior year Capital Improvement Program

6WA023	Main Replacements	FY 2015-2024 Total	\$11,800,000	% Change from Previous CIP	-10%
		FY 2014-2023 Total	\$13,163,022		

The project provides funding to replace aging water mains in various areas of the City. Many transmission mains are over 30 years old.

6WA029	Water Master Plan Update	FY 2015-2024 Total	\$300,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$300,000		

This project will fund the update of the City's Water Master Plan.

6WA034	Well Construction/Rehabilitation	FY 2015-2024 Total	\$29,312,000	% Change from Previous CIP	-14%
		FY 2014-2023 Total	\$34,111,550		

This project provides funding to construct new wells or rehabilitate old wells, as appropriate, to maintain the City's desired production of 74.5 million gallons per day production.

6WA110	Water System Upgrades w/Street Projects	FY 2015-2024 Total	\$2,700,000	% Change from Previous CIP	-28%
		FY 2014-2023 Total	\$3,762,839		

This project provides funding to make major water infrastructure upgrades in conjunction with arterial street and intersection construction projects. The work consists of new valve and fire hydrant installation and replacing old water mains where needed, such as cast iron mains and asbestos cement mains.

6WA210	Water Treatment Plant Improvements	FY 2015-2024 Total	\$12,120,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$12,137,777		

This project establishes funding for improvements to existing water treatment plants to keep the infrastructure running properly.



City of Chandler
2015-2024 Capital Improvement Program

6WA230	Water Production Facility Improvements	FY 2015-2024 Total	\$19,155,000	% Change from Previous CIP	-9%
		FY 2014-2023 Total	\$20,990,484		

This project updates aging booster and reservoir sites to better operate with the City's pressure zone changes.

6WA334	Joint Water Treatment Plant	FY 2015-2024 Total	\$41,656,637	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$41,656,637		

This project provides funding for the City's cost share of the planned expansion of the San Tan Vista facility in Gilbert.

6WA638	Water Rights Settlement	FY 2015-2024 Total	\$11,752,462	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$11,752,462		

This project provides funding for planned payments to the White Mountain Apache Tribe (WMAT). Per agreement, Chandler will be able to lease 4,597 acre-feet/year of WMAT CAP water at a cost of \$10,134,414 (2008 dollars). In addition, Chandler must pay CAP annual charges to deliver the water to Chandler.

6WA640	Well Remediation - Arsenic Systems	FY 2015-2024 Total	\$260,000	% Change from Previous CIP	-1%
		FY 2014-2023 Total	\$261,539		

This project will rehabilitate arsenic treatment systems that were installed in 2006.

6WA670	Intel Water Purchases	FY 2015-2024 Total	\$8,000,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$8,000,000		

This project will provide funding for water purchases required to serve Phase I, Phase II, and Phase III of the Intel expansion. Intel will reimburse the City within 3 years.

6WA672	Water Purchases	FY 2015-2024 Total	\$100,000,000	% Change from Previous CIP	233%
		FY 2014-2023 Total	\$30,000,000		

This project provides funding in the second five years of the CIP for possible water purchases.

NEW PROJECTS

None.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

None.



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

		Municipal Utilities - Water Capital - 3820			
		<i>Carryforward Appropriation</i>		2014-15	2014-15
		Encumbered	Unencumbered	New	Total
Proj#	Program	Purchase Orders	March 2014	Appropriation	Appropriation
6WA012	Water Projects Supporting Intel Expansion	\$ -	\$ 2,148,174	\$ -	\$ 2,148,174
6WA023	Main Replacements	1,625,000	3,003,660	2,100,000	6,728,660
6WA029	Water Master Plan Update	-	-	300,000	300,000
6WA034	Well Construction	3,661,702	216,106	3,270,000	7,147,808
6WA076	Transmission Mains ⁽¹⁾	503,824	1,055,197	-	1,559,021
6WA110	Water System Upgrades w/ Street Proj.	1,975,358	2,439,504	510,000	4,924,862
6WA210	Water Treatment Plant Improvements	1,645,930	67,428	1,010,000	2,723,358
6WA230	Water Production Facility Improvements	993,018	905,629	2,095,000	3,993,647
6WA334	Joint Water Treatment Plant	-	-	3,901,578	3,901,578
6WA638	Water Rights Settlement	-	-	11,752,462	11,752,462
6WA640	Well Remediation - Arsenic Systems	-	356,525	-	356,525
6WA660	Water System Maintenance Building	855,466	9,000	-	864,466
6WA670	Intel Water Purchases	-	-	8,000,000	8,000,000
Total Capital Project Expenses		\$ 11,260,298	\$ 10,201,223	\$ 32,939,040	\$ 54,400,561
Fund					
601	Water Bond Fund	\$ 6,901,008	\$ 6,761,786	\$ 20,737,462	\$ 34,400,256
603	Water System Development Fees	3,503,824	907,564	4,201,578	8,612,966
605	Water Operating Fund ⁽¹⁾	855,466	2,531,873	8,000,000	11,387,339
Total Capital Project Funding		\$ 11,260,298	\$ 10,201,223	\$ 32,939,040	\$ 54,400,561

⁽¹⁾ Total FY 2013-14 Appropriation for Projects 6WA012 - Water Projects Supporting Intel Expansion will be reimbursed to Fund 605 by Intel up to the amount of actual expenses (or a lesser amount if so designated in the agreement). Any unused appropriation will return to fund balance.



City of Chandler
2015-2024 Capital Improvement Program

WATER COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6WA023	Main Replacements	\$ 2,100,000	\$ 260,000	\$ 2,100,000	\$ 260,000	\$ 2,100,000	\$ 6,820,000	\$ 4,980,000	\$ 11,800,000
6WA029	Water Master Plan Update	300,000	-	-	-	-	300,000	-	300,000
6WA034	Well Construction/Rehabilitation	3,270,000	350,000	3,192,000	3,400,000	2,230,000	12,442,000	16,870,000	29,312,000
6WA110	System Upgrades during St Repair Projects	510,000	-	560,000	270,000	30,000	1,370,000	1,330,000	2,700,000
6WA210	Water Treatment Plant Improvements	1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	5,050,000	7,070,000	12,120,000
6WA230	Water Production Facility Improvements	2,095,000	500,000	2,615,000	3,265,000	2,615,000	11,090,000	8,065,000	19,155,000
6WA334	Joint Water Treatment Plant	3,901,578	37,755,059	-	-	-	41,656,637	-	41,656,637
6WA638	Water Rights Settlement	11,752,462	-	-	-	-	11,752,462	-	11,752,462
6WA640	Well Remediation - Arsenic Systems	-	-	260,000	-	-	260,000	-	260,000
6WA670	Intel Water Purchases	8,000,000	-	-	-	-	8,000,000	-	8,000,000
6WA672	Water Purchases	-	5,000,000	5,000,000	5,000,000	50,000,000	65,000,000	35,000,000	100,000,000
Total - Water		\$ 32,939,040	\$ 44,875,059	\$ 14,737,000	\$ 13,205,000	\$ 57,985,000	\$ 163,741,099	\$ 73,315,000	\$ 237,056,099

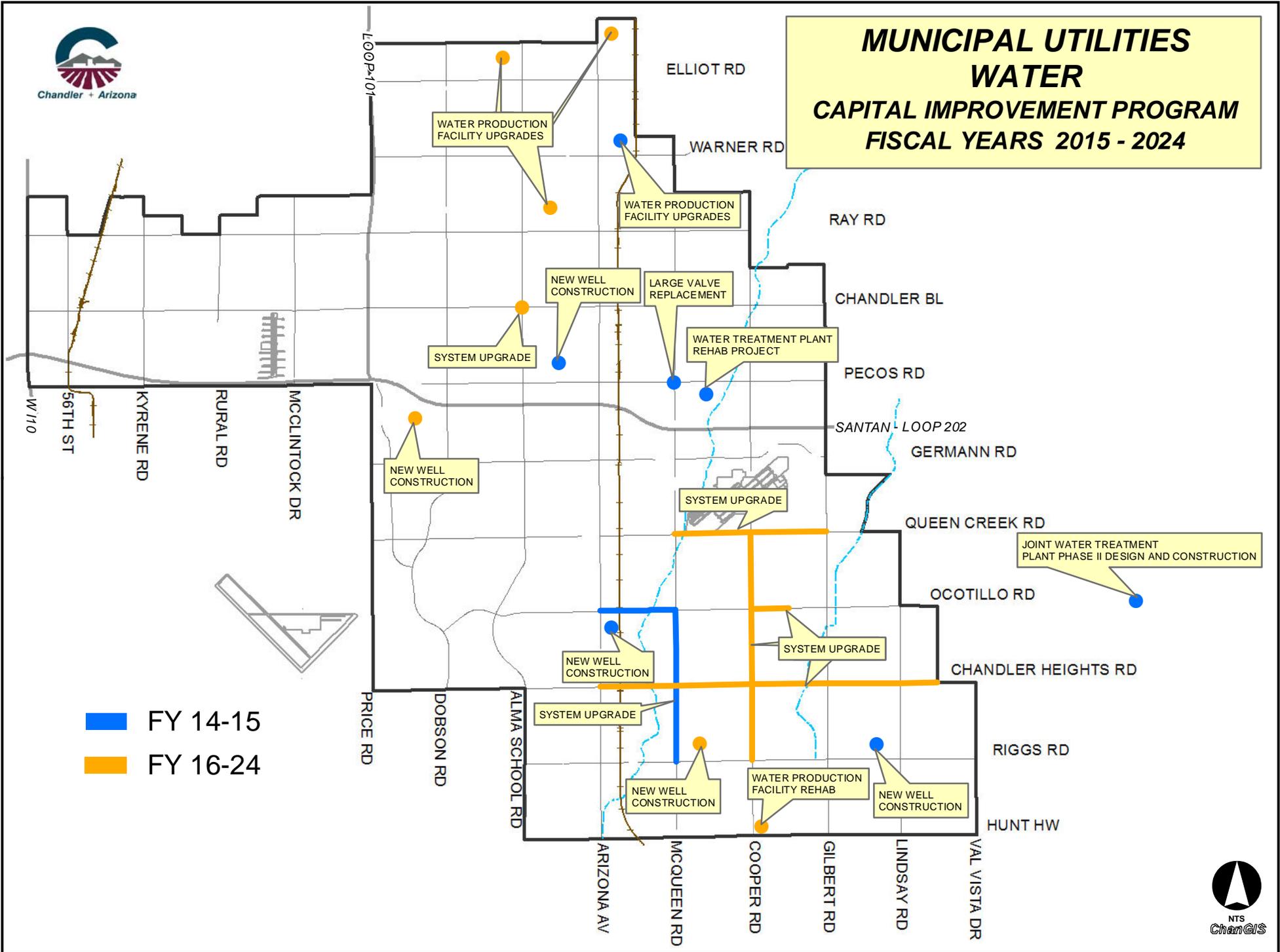
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Water Bonds	\$ 20,737,462	\$ 1,770,000	\$ 6,285,000	\$ 4,805,000	\$ 7,985,000	\$ 41,582,462	\$ 38,315,000	\$ 79,897,462
Water System Dev. Fees*	4,201,578	43,105,059	8,192,000	8,400,000	50,000,000	113,898,637	35,000,000	148,898,637
Water Operating Fund	8,000,000	-	260,000	-	-	8,260,000	-	8,260,000
Total - Water	\$ 32,939,040	\$ 44,875,059	\$ 14,737,000	\$ 13,205,000	\$ 57,985,000	\$ 163,741,099	\$ 73,315,000	\$ 237,056,099

* If System Development Fees are unavailable to cover projects at the time of need, a portion may come from Bonds to be repaid with future System Development Fees.



MUNICIPAL UTILITIES WATER CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

Main Replacements	Water Project # 6WA023
--------------------------	-------------------------------

Water mains in various areas of the City are old and deteriorating, resulting in water main breaks and interrupted water service. Staff has prioritized several aging areas of the City served by pipe 30 years of age or older. These areas will be evaluated for possible replacement. Staff recommends continuing this plan to replace cast iron mains with leaded joints, undersized lines, and substandard mains prone to failures. In addition, this program includes funding to replace broken water valves.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$20,000	10,000	20,000	10,000	20,000	10,000	20,000	10,000	20,000	10,000	\$150,000
Design	\$160,000	0	160,000	0	160,000	0	160,000	0	160,000	0	\$800,000
Construction	\$1,600,000	250,000	1,600,000	250,000	1,600,000	250,000	1,600,000	250,000	1,600,000	250,000	\$9,250,000
Contingency	\$160,000	0	160,000	0	160,000	0	160,000	0	160,000	0	\$800,000
Construction Mgmt	\$160,000	0	160,000	0	160,000	0	160,000	0	160,000	0	\$800,000
Total	\$2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	\$11,800,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Bonds (601)	\$2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	\$11,800,000
Total	\$2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	2,100,000	260,000	\$11,800,000



City of Chandler
 2015-2024 Capital Improvement Program

Water Master Plan Update **Water Project # 6WA029**

The City's Integrated Water, Wastewater, and Reclaimed Water System Master Plan was reported to Council in 2008. It is imperative to update the Master Plan on a regular basis to keep pace with the City's growth, so short-term and long-term infrastructure improvements can be constructed at the proper time and location. In addition, since monies for water capital projects as well as water impact fees are based on the Master Plan, this plan needs to be accurate. Changes in rules and regulations also require this plan to be updated frequently. This will require a thorough review of development projections, projected water production, treatment requirements, and a long-range plan with a recommended capital program to implement the plan.

Estimated Total Project Cost: **Recurring program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Study	\$300,000	0	0	0	0	0	0	0	0	0	\$300,000
Total	\$300,000	0	\$300,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water System Dev Fees (603)	\$300,000	0	0	0	0	0	0	0	0	0	\$300,000
Total	\$300,000	0	\$300,000								



City of Chandler
 2015-2024 Capital Improvement Program

Well Construction/Rehabilitation	Water Project # 6WA034
---	-------------------------------

The 2008 Water, Wastewater, and Reclaimed Water Master Plan recommends a 74.5 million gallons per day (MGD) build out capacity for groundwater wells. As the City's groundwater wells age, it is anticipated that production from these wells will decrease by up to three percent per year. To maintain the recommended 74.5 MGD capacity, a new well or rehabilitation of an existing well will be completed based on forecasted production decreases.

Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$20,000	0	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	\$180,000
Design	\$250,000	350,000	244,000	260,000	170,000	170,000	300,000	160,000	330,000	330,000	\$2,564,000
Contingency	\$250,000	0	244,000	260,000	170,000	170,000	300,000	160,000	330,000	330,000	\$2,214,000
Construction Mgmt	\$250,000	0	244,000	260,000	170,000	170,000	300,000	160,000	330,000	330,000	\$2,214,000
Construction	\$2,500,000	0	2,440,000	2,600,000	1,700,000	1,700,000	3,000,000	1,600,000	3,300,000	3,300,000	\$22,140,000
Total	\$3,270,000	350,000	3,192,000	3,400,000	2,230,000	2,230,000	3,920,000	2,100,000	4,310,000	4,310,000	\$29,312,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Bonds (601)	\$3,270,000	0	0	0	2,230,000	2,230,000	3,920,000	2,100,000	4,310,000	4,310,000	\$22,370,000
Water System Dev Fees (603)	\$0	350,000	3,192,000	3,400,000	0	0	0	0	0	0	\$6,942,000
Total	\$3,270,000	350,000	3,192,000	3,400,000	2,230,000	2,230,000	3,920,000	2,100,000	4,310,000	4,310,000	\$29,312,000



City of Chandler
 2015-2024 Capital Improvement Program

Water System Upgrades w/Street Projects **Water Project # 6WA110**

Street overlay, reconstruction, and intersection improvement projects provide an opportunity to complete needed upgrades and repairs to the water distribution system by coordinating with the street project to reduce costs. The program reflects costs needed to replace water lines along streets and at intersections being improved within the street construction capital programs. This work consists of new valve and fire hydrant installation and replacing old water mains where needed, such as cast iron mains and asbestos cement mains. Coordination with road reconstruction projects to construct water system repairs and replacements eliminates the possibility of impacting newly placed pavement.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$10,000	0	10,000	10,000	0	10,000	10,000	10,000	0	0	\$60,000
Design	\$50,000	0	55,000	20,000	3,000	45,000	30,000	25,000	0	0	\$228,000
Contingency	\$50,000	0	55,000	20,000	3,000	45,000	30,000	25,000	0	0	\$228,000
Construction Mgmt	\$50,000	0	55,000	20,000	3,000	45,000	30,000	25,000	0	0	\$228,000
Construction	\$350,000	0	385,000	200,000	21,000	450,000	300,000	250,000	0	0	\$1,956,000
Total	\$510,000	0	560,000	270,000	30,000	595,000	400,000	335,000	0	0	\$2,700,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Bonds (601)	\$510,000	0	560,000	270,000	30,000	595,000	400,000	335,000	0	0	\$2,700,000
Total	\$510,000	0	560,000	270,000	30,000	595,000	400,000	335,000	0	0	\$2,700,000



City of Chandler
2015-2024 Capital Improvement Program

Water Treatment Plant Improvements **Water** Project # 6WA210

In 2009, Chandler's Surface Water Treatment Plant's capacity was expanded from 45 million gallons per day (MGD) to 60 MGD. New funding over the next 10 years is required for continual maintenance of the upgraded plant at the higher capacity. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$10,000	10,000	10,000	10,000	10,000	20,000	10,000	20,000	10,000	10,000	\$120,000
Construction	\$1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	1,000,000	2,000,000	1,000,000	1,000,000	\$12,000,000
Total	\$1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	2,020,000	1,010,000	2,020,000	1,010,000	1,010,000	\$12,120,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Bonds (601)	\$1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	2,020,000	1,010,000	2,020,000	1,010,000	1,010,000	\$12,120,000
Total	\$1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	2,020,000	1,010,000	2,020,000	1,010,000	1,010,000	\$12,120,000



City of Chandler
2015-2024 Capital Improvement Program

Water Production Facility Improvements **Water** Project # 6WA230

The 2008 Water, Wastewater, and Reclaimed Water Master Plan identifies the need for improvements to existing booster stations to enhance performance and efficiency. Specific work to be completed includes replacing existing pumps and motors with high efficiency pumping systems designed to operate at the pressure zone hydraulic grade line. Variable frequency drive units will also be installed at some booster pump stations to stabilize pressure within the distribution system. These modifications will reduce electrical costs to operate the facilities and cause the water distribution system to operate at a more constant pressure. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$15,000	0	15,000	15,000	15,000	0	15,000	0	15,000	15,000	\$105,000
Design	\$160,000	250,000	200,000	250,000	200,000	250,000	200,000	250,000	200,000	140,000	\$2,100,000
Contingency	\$160,000	0	200,000	250,000	200,000	0	200,000	0	200,000	140,000	\$1,350,000
Construction Mgmt	\$160,000	0	200,000	250,000	200,000	0	200,000	0	200,000	140,000	\$1,350,000
Construction	\$1,600,000	250,000	2,000,000	2,500,000	2,000,000	250,000	2,000,000	250,000	2,000,000	1,400,000	\$14,250,000
Total	\$2,095,000	500,000	2,615,000	3,265,000	2,615,000	500,000	2,615,000	500,000	2,615,000	1,835,000	\$19,155,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Bonds (601)	\$2,095,000	500,000	2,615,000	3,265,000	2,615,000	500,000	2,615,000	500,000	2,615,000	1,835,000	\$19,155,000
Total	\$2,095,000	500,000	2,615,000	3,265,000	2,615,000	500,000	2,615,000	500,000	2,615,000	1,835,000	\$19,155,000



City of Chandler
2015-2024 Capital Improvement Program

Joint Water Treatment Plant	Water Project # 6WA334
------------------------------------	-------------------------------

The City of Chandler and Town of Gilbert will continue their partnership in a 24 million gallon per day (MGD) water treatment facility. In FY 2009-10, the joint water treatment facility was completed and Chandler's capacity was increased by 12 MGD. Phase II design is scheduled for FY 2014-15 with construction beginning in FY 2015-16, which will add another 12 MGD in water production capacity. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **\$126,561,432** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Payment to Others	\$3,901,578	37,755,059	0	0	0	0	0	0	0	0	\$41,656,637
Total	\$3,901,578	37,755,059	0	\$41,656,637							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water System Dev Fees (603)	\$3,901,578	37,755,059	0	0	0	0	0	0	0	0	\$41,656,637
Total	\$3,901,578	37,755,059	0	\$41,656,637							

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	600,000	630,000	661,500	694,575	729,304	765,769	\$4,081,148
Total	\$0	0	0	0	600,000	630,000	661,500	694,575	729,304	765,769	\$4,081,148



City of Chandler
 2015-2024 Capital Improvement Program

Water Rights Settlement **Water Project # 6WA638**

The White Mountain Apache Tribe (WMAT) is located on the Fort Apache Indian Reservation. Approximately 15,000 tribal members live on the 2,600 square mile reservation in eastern Arizona. The reservation lies at the headwaters of the Salt River. The Salt River provides almost half of Chandler's water supply. WMAT and the Valley Cities, including Chandler, have filed claims to the Salt River water supplies. These claims are in conflict. Chandler and other state parties have negotiated a water rights quantification agreement with WMAT. The quantification agreement requires that Salt River Project (SRP), Roosevelt Water Conservation District (RWCD), and the Valley Cities, including Chandler, contribute some of their Salt and Verde River water supplies to WMAT. In turn, WMAT agreed to lease to the Valley Cities, including Chandler, Central Arizona Project (CAP) water for 100-years to offset the Salt and Verde River water contributed by SRP, RWCD, and the Valley Cities. Chandler will be able to lease 4,597 acre-feet/year of WMAT CAP water at a cost of \$10,134,414 (2008 dollars). In addition, Chandler must pay CAP annual charges to deliver the water to Chandler. Staff estimates the quantification agreement will become enforceable in 2014 and Chandler will have the opportunity to pay WMAT the full amount or an agreed payment plan over five years with 50 percent paid in the first year. The agreement inflates the 2008 agreed upon amount by the Consumer Price Index (CPI). By leasing this water through the WMAT agreement, Chandler's current water supplies will not be reduced and future water rights litigation with WMAT is removed.

Estimated Total Project Cost: **\$11,752,462** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Payment to Others	\$11,752,462	0	0	0	0	0	0	0	0	0	\$11,752,462
Total	\$11,752,462	0	\$11,752,462								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Bonds (601)	\$11,752,462	0	0	0	0	0	0	0	0	0	\$11,752,462
Total	\$11,752,462	0	\$11,752,462								



City of Chandler
2015-2024 Capital Improvement Program

Well Remediation - Arsenic Systems **Water** Project # 6WA640

A number of existing wells were retrofitted with arsenic treatment systems in 2006. These treatment systems are now in need of rehabilitation to repair hatches and coat the internal surfaces of the media vessels. Other wells may be rehabilitated or blended as needed if they are found to be near the Environmental Protection Agency (EPA) arsenic limit.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	0	10,000	0	0	0	0	0	0	0	\$10,000
Design	\$0	0	25,000	0	0	0	0	0	0	0	\$25,000
Contingency	\$0	0	25,000	0	0	0	0	0	0	0	\$25,000
Construction Mgmt	\$0	0	25,000	0	0	0	0	0	0	0	\$25,000
Construction	\$0	0	175,000	0	0	0	0	0	0	0	\$175,000
Total	\$0	0	260,000	0	\$260,000						

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Water Operating (605)	\$0	0	260,000	0	0	0	0	0	0	0	\$260,000
Total	\$0	0	260,000	0	\$260,000						



City of Chandler
 2015-2024 Capital Improvement Program

Intel Water Purchases **Water** Project # 6WA670

The City of Chandler and Intel Corporation signed a Development Agreement on February 17, 2012 that defines the City's responsibility for providing water supply to Intel. The City will provide Intel with up to 7.1 million gallons per day (MGD) of potable water. Intel will require an additional 3.3 MGD to serve Phase IV. Per the agreement, the City will provide the additional water to Intel, and Intel agrees to a one-time payment of \$8 million to assist the City in obtaining water rights for the additional water. The payment is due from Intel no later than the third anniversary of the effective date of the agreement.

Estimated Total Project Cost: **\$8,000,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Payment to Others	\$8,000,000	0	0	0	0	0	0	0	0	0	\$8,000,000
Total	\$8,000,000	0	\$8,000,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water Operating (605)	\$8,000,000	0	0	0	0	0	0	0	0	0	\$8,000,000
Total	\$8,000,000	0	\$8,000,000								



City of Chandler
 2015-2024 Capital Improvement Program

Water Purchases **Water Project # 6WA672**

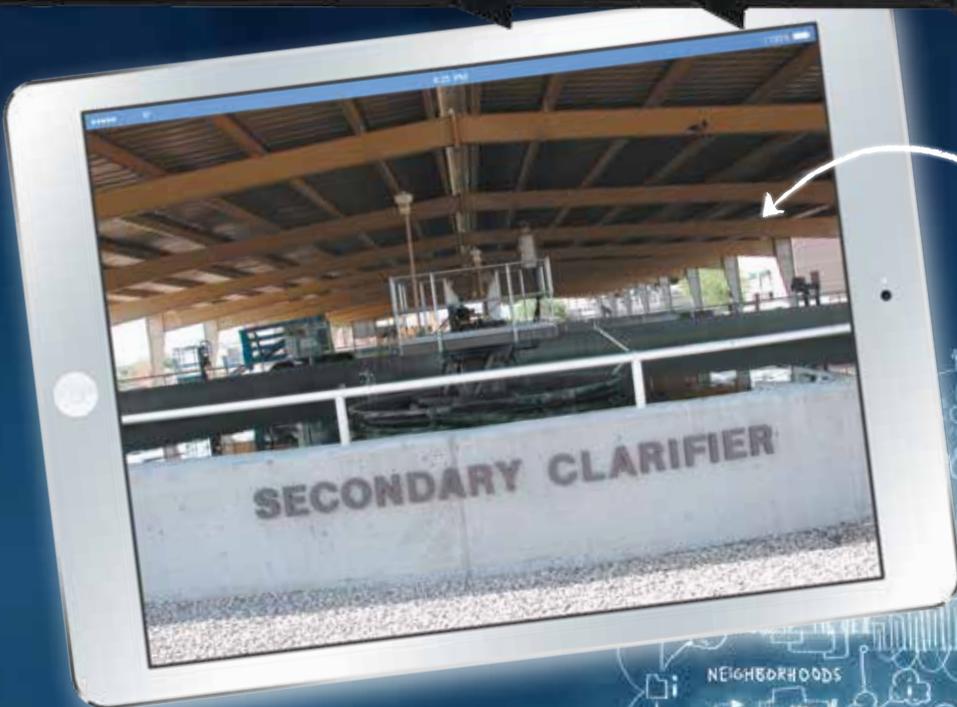
To assist the City in maintaining its assured water supply, the City needs to purchase additional renewable surface water supplies from willing sellers or purchase excess Central Arizona Project (CAP) water. In addition to water purchases needed for new growth and development, additional water needs to be purchased for use by existing users during droughts. The City derives almost all of its potable water supplies from either the Colorado River or the Salt and Verde Rivers. These rivers are subject to periodic droughts and during these droughts Chandler's water supply will be reduced. To meet potable water supply needs during droughts and to stay in compliance with the State's Assured Water Supply rules, Chandler needs to store water underground and recover this water during periods of low surface water supplies.

Estimated Total Project Cost: **\$100,000,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Payment to Others	\$0	5,000,000	5,000,000	5,000,000	50,000,000	10,000,000	0	0	0	25,000,000	\$100,000,000
Total	\$0	5,000,000	5,000,000	5,000,000	50,000,000	10,000,000	0	0	0	25,000,000	\$100,000,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Water System Dev Fees (603)	\$0	5,000,000	5,000,000	5,000,000	50,000,000	10,000,000	0	0	0	25,000,000	\$100,000,000
Total	\$0	5,000,000	5,000,000	5,000,000	50,000,000	10,000,000	0	0	0	25,000,000	\$100,000,000

WASTEWATER



INSURING A RELIABLE
AND STABLE
INFRASTRUCTURE



Chandler • Arizona



City of Chandler
2015-2024 Capital Improvement Program

MUNICIPAL UTILITIES – WASTEWATER CAPITAL PROGRAM OVERVIEW

The Wastewater Capital Improvement Program encompasses improvements to the City’s wastewater infrastructure, including sewer lines, collection systems, reclamation facilities, and other related facilities and programs. The primary funding sources are bonds, system development fees, and the wastewater operating fund.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 348,907,636	
2014-2023 Capital Program	\$ 382,714,209	
Difference	\$ (33,806,573)	-8.8%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES
from prior year Capital Improvement Program

6WW021	Wastewater Master Plan Update	FY 2015-2024 Total	\$600,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$600,000		

This project will provide funding for an update to the Wastewater Master Plan.

6WW022	Water Reclamation Facility Expansion	FY 2015-2024 Total	\$135,462,636	% Change from Previous CIP	-47%
		FY 2014-2023 Total	\$254,632,030		

This project will provide funding for the continuing program to expand water reclamation facilities. Funding for the new Chandler Water Reclamation Facility has been removed and moved to new project 6WW661.

6WW189	Effluent Reuse - Storage & Recovery Wells	FY 2015-2024 Total	\$10,980,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$10,967,540		

This project will continue the funding to construct and maintain storage and recovery wells for the effluent reuse system.

6WW192	Effluent Reuse - Transmission Mains	FY 2015-2024 Total	\$5,895,000	% Change from Previous CIP	1%
		FY 2014-2023 Total	\$5,841,805		

This project will construct transmission mains for the effluent reuse system.



City of Chandler
2015-2024 Capital Improvement Program

6WW196	Collection System Facility Improvements	FY 2015-2024 Total	\$4,350,000	% Change from Previous CIP	-55%
		FY 2014-2023 Total	\$9,761,877		

This project will provide funding to maintain the wastewater collection system and other various improvements, such as odor control.

6WW266	Sewer Assessment and Rehabilitation	FY 2015-2024 Total	\$30,410,000	% Change from Previous CIP	-35%
		FY 2014-2023 Total	\$47,006,841		

This project provides funding for the ongoing assessment and rehabilitation of the sewer system.

6WW332	Wastewater System Upgrades w/Street Projects	FY 2015-2024 Total	\$3,480,000	% Change from Previous CIP	25%
		FY 2014-2023 Total	\$2,789,731		

The project provides funding for improvements to the wastewater system in conjunction with arterial street and intersection improvements.

6WW621	Water Reclamation Facility Improvements	FY 2015-2024 Total	\$32,740,000	% Change from Previous CIP	-19%
		FY 2014-2023 Total	\$40,194,166		

This project will provide funding for major improvements to the reclaimed water facilities.

6WW641	Lone Butte Wastewater Facility Replacement	FY 2015-2024 Total	\$10,920,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$10,920,219		

This project provides funding for construction of a new wastewater facility, if necessary, to replace the Lone Butte facility.

6WW661 (New)	Chandler Water Reclamation Facility	FY 2015-2024 Total	\$113,820,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project is required to accommodate normal expected growth as the City approaches maximum system capacity. The new five million gallons per day (MGD) facility is currently under design with construction beginning in FY 2015-16.

6WW671 (New)	Reclaimed Water Conversions	FY 2015-2024 Total	\$250,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will help assist with a portion of the financing to convert from potable to reclaimed water.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

None.



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

Municipal Utilities - Wastewater Capital - 3910					
Proj#	Program	Carryforward Appropriation		2014-15 New Appropriation	2014-15 Total Appropriation
		Encumbered Purchase Orders	Unencumbered March 2014		
6WW012	WW Projects Supporting Intel Expansion ⁽¹⁾	\$ 38,574,801	\$ 11,178,095	\$ -	\$ 49,752,896
6WW021	Wastewater Master Plan Update	-	-	600,000	600,000
6WW022	Water Reclamation Plant Expansion	3,531,927	20,815,491	-	24,347,418
6WW189	Effluent Reuse - Storage/Recovery	1,051,347	-	-	1,051,347
6WW192	Effluent Reuse - Transmission Mains	72,321	87,086	2,615,000	2,774,407
6WW196	Collection System Facility Improvements	250,676	1,400,068	535,000	2,185,744
6WW266	Sewer Assessment/Rehabilitation	345,665	2,485,370	1,965,000	4,796,035
6WW332	Wastewater System Upgrades w/Street Proj.	-	2,944,219	465,000	3,409,219
6WW621	Water Reclamation Facility Improvements	2,240,023	5,869,608	12,760,000	20,869,631
6WW671	Reclaimed Water Conversion	-	-	250,000	250,000
Total Capital Project Expenses		\$ 46,066,760	\$ 44,779,937	\$ 19,190,000	\$ 110,036,697
Fund					
610	Reclaimed Water System Dev Fees	\$ 598,212	\$ 87,086	\$ 2,615,000	\$ 3,300,298
611	Wastewater Bond Fund	2,754,459	22,386,656	15,725,000	40,866,115
614	Wastewater System Development Fees	3,531,927	8,685,012	600,000	12,816,939
615	Wastewater Operating Fund ⁽¹⁾	39,182,162	13,621,183	250,000	53,053,345
Total Capital Project Funding		\$ 46,066,760	\$ 44,779,937	\$ 19,190,000	\$ 110,036,697

⁽¹⁾ Total FY 2013-14 Appropriation for Projects 6WW012 - WW Projects Supporting Intel Expansion will be reimbursed to Fund 615 by Intel up to the amount of actual expenses (or a lesser amount if so designated in the agreement). Any unused appropriation will return to fund balance.



City of Chandler
2015-2024 Capital Improvement Program

WASTEWATER COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6WW021	Wastewater Master Plan Update	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000
6WW022	Water Reclamation Facility Expansion	-	-	-	-	9,507,000	9,507,000	125,955,636	135,462,636
6WW189	Effluent Reuse - Storage & Recovery Wells	-	2,625,000	6,785,000	-	-	9,410,000	1,570,000	10,980,000
6WW192	Effluent Reuse - Transmission Mains	2,615,000	-	925,000	2,355,000	-	5,895,000	-	5,895,000
6WW196	Collection System Facility Improvements	535,000	335,000	535,000	335,000	535,000	2,275,000	2,075,000	4,350,000
6WW266	Sewer Assessment and Rehabilitation	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	9,825,000	20,585,000	30,410,000
6WW332	Wastewater System Upgrades w/St Cons.	465,000	-	530,000	335,000	100,000	1,430,000	2,050,000	3,480,000
6WW621	Water Reclamation Facility Improvements	12,760,000	1,960,000	1,960,000	3,260,000	1,960,000	21,900,000	10,840,000	32,740,000
6WW641	Lone Butte Wastewater Facility Replace	-	-	-	-	-	-	10,920,000	10,920,000
6WW661	Chandler Water Reclamation Facility	-	113,820,000	-	-	-	113,820,000	-	113,820,000
6WW671	Reclaimed Water Conversions	250,000	-	-	-	-	250,000	-	250,000
Total - Wastewater		\$ 19,190,000	\$ 120,705,000	\$ 12,700,000	\$ 8,250,000	\$ 14,067,000	\$ 174,912,000	\$ 173,995,636	\$ 348,907,636

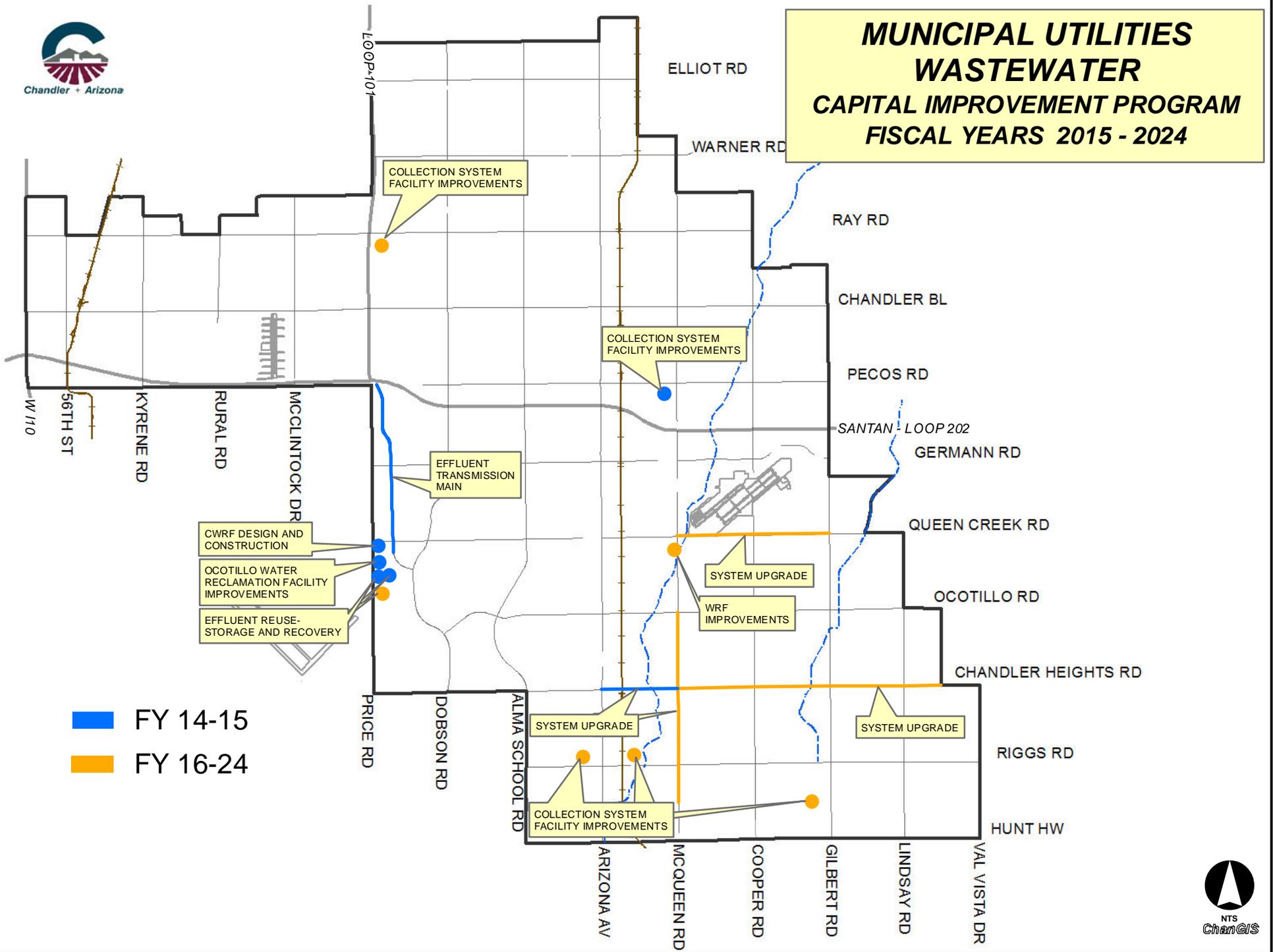
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Reclaimed Water System Dev. Fees*	\$ 2,615,000	\$ 2,625,000	\$ 6,210,000	\$ 2,355,000	-	\$ 13,805,000	\$ -	\$ 13,805,000
Wastewater Bonds	15,725,000	4,260,000	6,490,000	5,895,000	9,313,500	41,683,500	100,097,818	141,781,318
Wastewater System Dev. Fees*	600,000	109,820,000	-	-	4,753,500	115,173,500	73,897,818	189,071,318
Wastewater Operating Fund	250,000	-	-	-	-	250,000	-	250,000
Water Resources Sys Dev Fee	-	4,000,000	-	-	-	4,000,000	-	4,000,000
Total - Wastewater	\$ 19,190,000	\$ 120,705,000	\$ 12,700,000	\$ 8,250,000	\$ 14,067,000	\$ 174,912,000	\$ 173,995,636	\$ 348,907,636

* If System Development Fees are unavailable to cover projects at the time of need, a portion may come from Bonds to be repaid with future System Development Fees.



MUNICIPAL UTILITIES WASTEWATER CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

Wastewater Master Plan Update **Wastewater Project # 6WW021**

The City's Integrated Water, Wastewater, and Reclaimed Water System Master Plan was reported to Council in 2008. It is imperative to update the Master Plan on a regular basis to keep pace with the City's growth, so short-term and long-term infrastructure improvements can be constructed at the proper time and location. In addition, since monies for wastewater capital projects as well as wastewater impact fees are based on the Master Plan, this plan needs to be accurate. Changes in rules and regulations also require this plan be updated frequently. This will require a thorough review of development projections, projected wastewater treatment and collection requirements, and a long-range plan with a recommended capital program to implement the plan.

Estimated Total Project Cost: **Recurring program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Study	\$600,000	0	0	0	0	0	0	0	0	0	\$600,000
Total	\$600,000	0	\$600,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Wastewater System Dev Fees (614)	\$600,000	0	0	0	0	0	0	0	0	0	\$600,000
Total	\$600,000	0	\$600,000								



City of Chandler
2015-2024 Capital Improvement Program

Water Reclamation Facility Expansion	Wastewater Project # 6WW022
---	------------------------------------

During the completion of the 2008 Water, wastewater, and Reclaimed Master Plan, the focus in the wastewater section was reviewing alternatives for the retirement of the Lone Butte Wastewater Treatment Facility and future city flow growth. This program is for a five million gallons per day (MGD) expansion at the Chandler Water Reclamation Facility that is being constructed in FY 2015-16. This expansion is required to accommodate normal expected growth as the City approaches maximum system capacity. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	0	0	0	7,000	0	0	0	0	0	\$7,000
Design	\$0	0	0	0	9,500,000	0	0	0	0	0	\$9,500,000
Contingency	\$0	0	0	0	0	0	12,595,564	0	0	0	\$12,595,564
Construction Mgmt	\$0	0	0	0	0	0	12,595,564	0	0	0	\$12,595,564
Construction	\$0	0	0	0	0	0	100,764,508	0	0	0	\$100,764,508
Total	\$0	0	0	0	9,507,000	0	125,955,636	0	0	0	\$135,462,636

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Wastewater Bonds (611)	\$0	0	0	0	4,753,500	0	62,977,818	0	0	0	\$67,731,318
Wastewater System Dev Fees (614)	\$0	0	0	0	4,753,500	0	62,977,818	0	0	0	\$67,731,318
Total	\$0	0	0	0	9,507,000	0	125,955,636	0	0	0	\$135,462,636

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Salary & Benefit	\$257,860	706,782	734,283	770,996	809,547	850,025	892,526	937,149	984,008	1,033,208	\$7,976,384
Ongoing Expenses	\$11,731	2,211,731	2,211,731	2,211,731	2,211,731	2,211,731	2,211,731	2,211,731	4,711,731	4,711,731	\$24,917,310
Total	\$269,591	2,918,513	2,946,014	2,982,727	3,021,278	3,061,756	3,104,257	3,148,880	5,695,739	5,744,939	\$32,893,694

FTE	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Total	3	8								



City of Chandler
2015-2024 Capital Improvement Program

Effluent Reuse - Storage & Recovery Wells **Wastewater Project # 6WW189**

Due to industrial growth, Aquifer Storage and Recovery (ASR) Wells are required to support the effluent distribution system. Through these wells, effluent (reclaimed water) is stored underground in the upper aquifer during wet cycles when irrigation demands for turf/landscaped areas are low. When irrigation needs are high, the wells then recover the stored effluent for reuse. The ASR wells have the ability to inject water into the aquifer, then reverse and recover the stored effluent. This program expands the capacity of the Ocotillo Recharge Facility and the Tumbleweed Park Recharge Facility. The intent is to have recharge capacity providing 100 percent redundancy during periods of minimal turf irrigation demands. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	25,000	25,000	0	0	10,000	0	0	0	0	\$60,000
Design	\$0	200,000	520,000	0	0	120,000	0	0	0	0	\$840,000
Contingency	\$0	200,000	520,000	0	0	120,000	0	0	0	0	\$840,000
Construction Mgmt	\$0	200,000	520,000	0	0	120,000	0	0	0	0	\$840,000
Construction	\$0	2,000,000	5,200,000	0	0	1,200,000	0	0	0	0	\$8,400,000
Total	\$0	2,625,000	6,785,000	0	0	1,570,000	0	0	0	0	\$10,980,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Reclaimed Water Sys Dev Fees (610)	\$0	2,625,000	5,285,000	0	0	0	0	0	0	0	\$7,910,000
Wastewater Bonds (611)	\$0	0	1,500,000	0	0	1,570,000	0	0	0	0	\$3,070,000
Total	\$0	2,625,000	6,785,000	0	0	1,570,000	0	0	0	0	\$10,980,000

<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Salary & Benefit	\$0	0	78,179	83,230	87,392	91,761	96,349	101,167	106,225	111,536	\$755,839
Ongoing Expenses	\$0	0	100,000	155,000	162,752	170,890	204,434	214,654	225,385	236,657	\$1,469,772
Total	\$0	0	178,179	238,230	250,144	262,651	300,783	315,821	331,610	348,193	\$2,225,611



City of Chandler
2015-2024 Capital Improvement Program

Effluent Reuse - Storage & Recovery Wells							Wastewater	Project # 6WW189			
<u>FTE</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	
Total	0	0	1	1	1	1	1	1	1	1	



City of Chandler
2015-2024 Capital Improvement Program

Effluent Reuse - Transmission Mains **Wastewater** Project # 6WW192

The 2008 Water, Wastewater, and Reclaimed Water Master Plan identified a need to use effluent (reclaimed water) from the City's water reclamation facilities. The Master Plan identifies reuse of effluent through irrigation of turf areas constructed by developers and required deliveries to the Gila River Indian Community. Developers are required to use effluent for irrigation when it becomes available. The Southeast Chandler Area Plan identifies the extensive use of turf common areas and added landscaping in the right of way that will be irrigated with effluent from this distribution system. This program constructs a portion of the transmission and distribution system to deliver effluent to the developments in the southeast portion of Chandler through a system of 24" mains.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$15,000	0	15,000	15,000	0	0	0	0	0	0	\$45,000
Design	\$200,000	0	70,000	180,000	0	0	0	0	0	0	\$450,000
Contingency	\$200,000	0	70,000	180,000	0	0	0	0	0	0	\$450,000
Construction Mgmt	\$200,000	0	70,000	180,000	0	0	0	0	0	0	\$450,000
Construction	\$2,000,000	0	700,000	1,800,000	0	0	0	0	0	0	\$4,500,000
Total	\$2,615,000	0	925,000	2,355,000	0	0	0	0	0	0	\$5,895,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Reclaimed Water Sys Dev Fees (610)	\$2,615,000	0	925,000	2,355,000	0	0	0	0	0	0	\$5,895,000
Total	\$2,615,000	0	925,000	2,355,000	0	0	0	0	0	0	\$5,895,000



City of Chandler
 2015-2024 Capital Improvement Program

Collection System Facility Improvements **Wastewater** Project # 6WW196

Existing water reclamation facilities, wastewater lift stations, and reclaimed water delivery systems have been in operation for several years. These facilities require repairs, rehabilitation, and/or replacement as they age. Other upgrades are necessary to reduce odors associated with wastewater collection and treatment as residential developments are built near the facilities. Upgrades also will improve treatment processes and pumping systems to maintain current regulatory compliance. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$15,000	10,000	15,000	10,000	15,000	10,000	15,000	10,000	15,000	10,000	\$125,000
Design	\$40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	\$325,000
Contingency	\$40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	\$325,000
Construction Mgmt	\$40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	40,000	25,000	\$325,000
Construction	\$400,000	250,000	400,000	250,000	400,000	250,000	400,000	250,000	400,000	250,000	\$3,250,000
Total	\$535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	\$4,350,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Wastewater Bonds (611)	\$535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	\$4,350,000
Total	\$535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	535,000	335,000	\$4,350,000



City of Chandler
 2015-2024 Capital Improvement Program

Sewer Assessment and Rehabilitation	Wastewater Project # 6WW266
--	------------------------------------

This program addresses the ongoing need to evaluate, prioritize, and repair sewer lines and manholes within Chandler's collection system. In addition, the program complies with the Capacity Management and Operations Maintenance (CMOM) program. The goal of this program is to conduct ongoing monitoring and evaluation of aging sewer infrastructure and recommend rehabilitation projects on an annual basis.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	25,000	\$160,000
Design	\$150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	\$2,250,000
Contingency	\$150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	\$2,250,000
Construction Mgmt	\$150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	\$2,250,000
Construction	\$1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	10,000,000	\$23,500,000
Total	\$1,965,000	1,965,000	12,725,000	\$30,410,000							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Wastewater Bonds (611)	\$1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	12,725,000	\$30,410,000
Total	\$1,965,000	1,965,000	12,725,000	\$30,410,000							



City of Chandler
 2015-2024 Capital Improvement Program

Wastewater System Upgrades w/Street Projects **Wastewater** Project # 6WW332

Street overlay, reconstruction, and intersection improvement projects provide an opportunity to complete needed repairs and upgrades to the wastewater collection system without the expense of repairing existing pavement. This project reduces the potential for broken or failed sewer lines and the impact on recently improved roadways. Existing sewer lines and manholes will be repaired or replaced as part of the street intersection and roadway improvement projects.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$10,000	0	10,000	10,000	0	15,000	10,000	10,000	0	0	\$65,000
Design	\$35,000	0	40,000	25,000	100,000	100,000	30,000	25,000	0	0	\$355,000
Contingency	\$35,000	0	40,000	25,000	0	100,000	30,000	25,000	0	0	\$255,000
Construction Mgmt	\$35,000	0	40,000	25,000	0	100,000	30,000	25,000	0	0	\$255,000
Construction	\$350,000	0	400,000	250,000	0	1,000,000	300,000	250,000	0	0	\$2,550,000
Total	\$465,000	0	530,000	335,000	100,000	1,315,000	400,000	335,000	0	0	\$3,480,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Wastewater Bonds (611)	\$465,000	0	530,000	335,000	100,000	1,315,000	400,000	335,000	0	0	\$3,480,000
Total	\$465,000	0	530,000	335,000	100,000	1,315,000	400,000	335,000	0	0	\$3,480,000



City of Chandler
 2015-2024 Capital Improvement Program

Water Reclamation Facility Improvements **Wastewater Project # 6WW621**

The water reclamation facilities are aging and in need of rehabilitation. This program is to fund projects to rehabilitate infrastructure and large equipment as they approach the end of their useful lives. Assessments of these aging facilities were completed that resulted in the recommendation of several rehabilitation projects. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$60,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	\$150,000
Design	\$900,000	150,000	150,000	250,000	150,000	250,000	150,000	250,000	150,000	30,000	\$2,430,000
Contingency	\$900,000	150,000	150,000	250,000	150,000	250,000	150,000	250,000	150,000	30,000	\$2,430,000
Construction Mgmt	\$900,000	150,000	150,000	250,000	150,000	250,000	150,000	250,000	150,000	30,000	\$2,430,000
Construction	\$10,000,000	1,500,000	1,500,000	2,500,000	1,500,000	2,500,000	1,500,000	2,500,000	1,500,000	300,000	\$25,300,000
Total	\$12,760,000	1,960,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	400,000	\$32,740,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Wastewater Bonds (611)	\$12,760,000	1,960,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	400,000	\$32,740,000
Total	\$12,760,000	1,960,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	3,260,000	1,960,000	400,000	\$32,740,000



City of Chandler
 2015-2024 Capital Improvement Program

Lone Butte Wastewater Facility Replacement **Wastewater** Project # 6WW641

During the completion of the 2008 Water, Wastewater, and Reclaimed Water Master Plan, a focus in the wastewater portion was reviewing alternatives for the retirement of the Lone Butte Wastewater Treatment facility. The City has notified the Gila River Indian Community to extend the lease of the Lone Butte Wastewater Treatment facility to 2027. As a result of this extension, design for replacement of the facility has been moved to FY 2022-23 with construction moved outside of the 10-Year CIP. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **\$10,920,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	0	0	0	0	0	20,000	0	\$20,000
Design	\$0	0	0	0	0	0	0	0	10,900,000	0	\$10,900,000
Total	\$0	0	10,920,000	0	\$10,920,000						

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Wastewater System Dev Fees (614)	\$0	0	0	0	0	0	0	0	10,920,000	0	\$10,920,000
Total	\$0	0	10,920,000	0	\$10,920,000						



City of Chandler
2015-2024 Capital Improvement Program

Chandler Water Reclamation Facility **Wastewater Project # 6WW661**

During the completion of the 2008 Water, Wastewater, and Reclaimed Master Plan, the focus in the wastewater section was reviewing alternatives for the retirement of the Lone Butte Wastewater Treatment Facility and future City flow growth. This project is required to accommodate normal expected growth as the City approaches maximum system capacity. The new five million gallons per day (MGD) facility is currently under design with construction beginning in FY 2015-16. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **\$113,820,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	20,000	0	0	0	0	0	0	0	0	\$20,000
Contingency	\$0	9,500,000	0	0	0	0	0	0	0	0	\$9,500,000
Construction Mgmt	\$0	9,500,000	0	0	0	0	0	0	0	0	\$9,500,000
Construction	\$0	94,800,000	0	0	0	0	0	0	0	0	\$94,800,000
Total	\$0	113,820,000	0	\$113,820,000							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Wastewater System Dev Fees (614)	\$0	109,820,000	0	0	0	0	0	0	0	0	\$109,820,000
Water Resource Sys Dev Fees (604)	\$0	4,000,000	0	0	0	0	0	0	0	0	\$4,000,000
Total	\$0	113,820,000	0	\$113,820,000							

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Salary & Benefit	\$0	0	0	670,591	715,911	751,706	789,291	828,756	870,194	913,703	\$5,540,156
Ongoing Expenses	\$0	0	0	2,500,000	2,625,000	2,756,250	2,894,063	3,038,766	3,190,704	3,350,240	\$20,355,020
Total	\$0	0	0	3,170,591	3,340,911	3,507,956	3,683,354	3,867,522	4,060,898	4,263,943	\$25,895,176

FTE	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Total	0	0	0	8						



City of Chandler
2015-2024 Capital Improvement Program

Reclaimed Water Conversions **Wastewater** Project # 6WW671

There are several Home Owner Associations (HOA) in south Chandler that are using potable water to irrigate their common areas. Several HOA's can not afford to finance the conversion to reclaimed water. This program will help assist with a portion of the financing to convert from potable to reclaimed water. The HOA will reimburse the City through the collection of a special reclaimed water rate. This is the first year of a pilot program. Staff will determine annually if enough reclaimed water is available to continue the program.

Estimated Total Project Cost: **\$250,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Additional Services	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Wastewater Operating (615)	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								



City of Chandler
2015-2024 Capital Improvement Program



SOLID WASTE



WORKING HARD EACH
DAY TOWARD A
CLEANER TOMORROW



Chandler • Arizona



City of Chandler
2015-2024 Capital Improvement Program

MUNICIPAL UTILITIES – SOLID WASTE CAPITAL PROGRAM OVERVIEW

The Solid Waste Capital Improvement Program encompasses improvements to the City’s solid waste facilities and other infrastructure. The primary funding source is the solid waste operating fund.

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 1,000,000	
2014-2023 Capital Program	\$ -	
Difference	\$ 1,000,000	NA

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

None.

6SW100 (New)	Solid Waste Services Facility Improvements	FY 2015-2024 Total	\$1,000,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project provides funding for improvements to the City’s solid waste infrastructure.

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

None.



City of Chandler
 2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

Municipal Utilities - Solid Waste Capital - 3710

Proj#	Program	Carryforward Appropriation		2014-15 New Appropriation	2014-15 Total Appropriation
		Encumbered Purchase Orders	Unencumbered March 2014		
6SW100	Solid Waste Service Facility Improvements	\$ -	\$ -	\$ 250,000	\$ 250,000
Total Capital Project Expenses		\$ -	\$ -	\$ 250,000	\$ 250,000
Fund					
625	Solid Waste Operating	\$ -	\$ -	\$ 250,000	\$ 250,000
Total Capital Project Funding		\$ -	\$ -	\$ 250,000	\$ 250,000



City of Chandler
2015-2024 Capital Improvement Program

SOLID WASTE COST SUMMARY

Project Cost by Fiscal Year

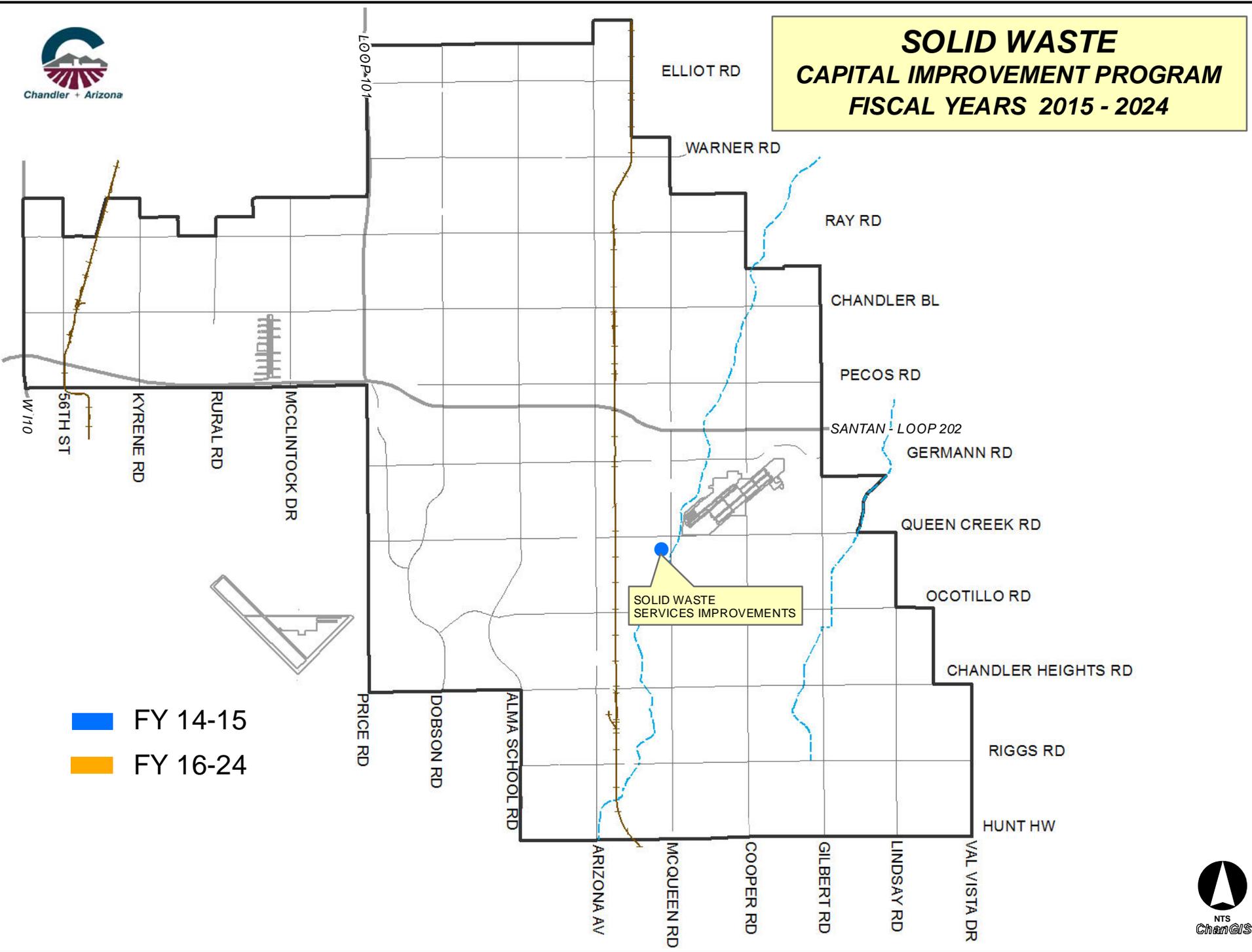
Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6SW100	Solid Waste Services Facility Improvements	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 1,000,000
Total - Solid Waste		\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 1,000,000

Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Solid Waste Operating Fund	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 1,000,000
Total -Solid Waste	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 1,000,000



SOLID WASTE CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

Solid Waste Services Facility Improvements **Solid Waste** Project # 6SW100

The Solid Waste Services Recycling-Solid Waste Collection Center was constructed in FY 2003-04. The facility is aging and improvements will be required in the future to maintain the facility. This facility serves residents and City facilities with solid waste administrative services, self-haul options for waste disposal, recycling, drop-off for proper management of household hazardous waste, equipment storage used for operations, and storage of inventory (containers, parts, etc.) to provide trash and recycling collection. Aging structures such as buildings and gates, requirements for maintaining space on site for storage, and the implementation as well as expansion of waste diversion programs necessitates improvements for the future. Sustainability, efficient operation, and life cycle cost issues are considered in all Municipal Utilities Department facility improvement projects. Specific items considered as part of these projects include the use of premium efficiency motors and pumps, variable frequency drive units, improved longer lasting materials, water reuse, improved waste handling, and the use of solar power when appropriate.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$10,000	10,000	0	0	0	10,000	10,000	0	0	0	\$40,000
Construction	\$240,000	240,000	0	0	0	240,000	240,000	0	0	0	\$960,000
Total	\$250,000	250,000	0	0	0	250,000	250,000	0	0	0	\$1,000,000

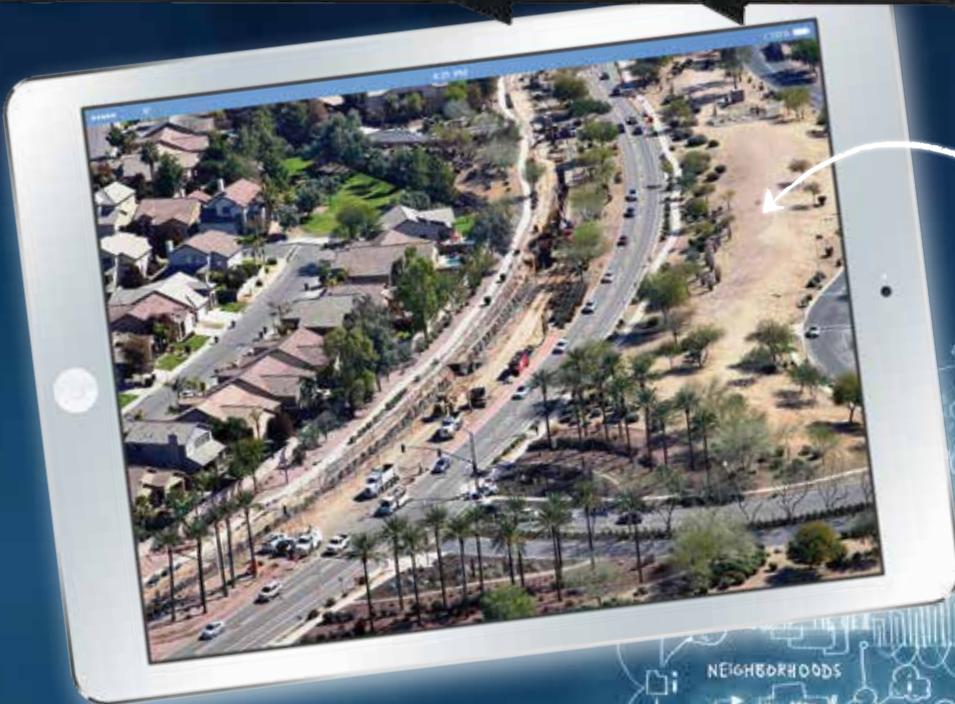
<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Solid Waste Operating (625)	\$250,000	250,000	0	0	0	250,000	250,000	0	0	0	\$1,000,000
Total	\$250,000	250,000	0	0	0	250,000	250,000	0	0	0	\$1,000,000



City of Chandler
2015-2024 Capital Improvement Program



STREETS



SOLID INFRASTRUCTURE,
SOLID FUTURE



Chandler · Arizona



City of Chandler
2015-2024 Capital Improvement Program

TRANSPORTATION & DEVELOPMENT – STREETS/TRAFFIC CAPITAL PROGRAM OVERVIEW

The Streets/Traffic Capital Improvement Program (CIP) includes funding to add new infrastructure and perform capital maintenance on streets, stormwater, landscape, traffic signal, streetlight, and other related systems. Included are intersection improvements, arterial street improvements, traffic management systems, and repair and replacement of failing infrastructure such as landscaping and wall repairs. Primary funding sources are general obligation bonds, impact fees, and federal and local grants. Certain projects are also eligible for future reimbursement from the Regional Arterial Street Life Cycle Program (Proposition 400).

COMPARISON OF PRIOR 10-YEAR CIP TO ADOPTED CIP

2015-2024 Capital Program (Adopted)	\$ 196,811,293	
2014-2023 Capital Program	\$ 227,929,226	
Difference	\$ (31,117,933)	-13.7%

PROJECT SUMMARIES AND SIGNIFICANT CHANGES

from prior year Capital Improvement Program

6GG613	South Arizona Avenue Improvements	FY 2015-2024 Total	\$875,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funding for improvements to Washington Street to support a development project.

6ST011	Stormwater Management Master Plan	FY 2015-2024 Total	\$495,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$495,000		

This project supports two updates to the Stormwater plan in a 10-year period.

6ST014	Landscape Repairs	FY 2015-2024 Total	\$1,400,000	% Change from Previous CIP	-59%
		FY 2014-2023 Total	\$3,387,000		

This project provides annual funding for major renovations to City-owned landscape areas.

6ST051	Streetlight Additions and Repairs	FY 2015-2024 Total	\$3,576,000	% Change from Previous CIP	88%
		FY 2014-2023 Total	\$1,906,000		

This project provides annual funding for replacement streetlights and any new required streetlight installations. Funding has been increased to establish a LED retrofitting program starting in FY 2014-15.

6ST248	Street Repaving	FY 2015-2024 Total	\$109,708,300	% Change from Previous CIP	10%
		FY 2014-2023 Total	\$99,327,610		

This project provides annual funding for major street maintenance that provides fully new road surfaces.



City of Chandler
2015-2024 Capital Improvement Program

6ST291	Miscellaneous Storm Drain Improvements	FY 2015-2024 Total	\$650,000	% Change from Previous CIP	8%
		FY 2014-2023 Total	\$600,000		

This project provides ongoing funding for necessary storm drain improvements.

6ST303	Street Construction - Various Improvements	FY 2015-2024 Total	\$11,573,000	% Change from Previous CIP	15%
		FY 2014-2023 Total	\$10,100,000		

This project provides annual funding for smaller street improvements and provides grant appropriation for new grants.

6ST316	Alma School Road/Chandler Boulevard Intersection	FY 2015-2024 Total	\$6,531,000	% Change from Previous CIP	-4%
		FY 2014-2023 Total	\$6,815,000		

This project will widen the intersection with most funding coming from federal grants.

6ST322	New Traffic Signals	FY 2015-2024 Total	\$3,280,000	% Change from Previous CIP	8%
		FY 2014-2023 Total	\$3,040,000		

This project provides funding for new traffic signals, where warranted, and provides for some capital replacement costs for signal heads and other major components.

6ST478	McQueen Road (Queen Creek Road to Riggs Road)	FY 2015-2024 Total	\$4,760,000	% Change from Previous CIP	-57%
		FY 2014-2023 Total	\$11,119,200		

This project will complete the arterial street widening and other improvements on McQueen Road to the southern limit at Riggs Road. Funding for the final phase has been accelerated to FY 2014-15.

6ST548	Queen Creek Road (McQueen Road to Gilbert Road)	FY 2015-2024 Total	\$15,221,000	% Change from Previous CIP	-29%
		FY 2014-2023 Total	\$21,486,500		

This project will complete the arterial street widening and other improvements on Queen Creek Road to the eastern limit at Gilbert Road (City limit). This project has been accelerated by three years resulting in savings from inflation.

6ST608	Chandler Heights Road (Arizona Ave to McQueen Rd)	FY 2015-2024 Total	\$11,113,825	% Change from Previous CIP	-9%
		FY 2014-2023 Total	\$12,280,225		

The project will provide for arterial street improvements along Chandler Heights Road from Arizona Avenue to McQueen Road.

6ST641	Ocotillo Road (Cooper Rd to 148th Street)	FY 2015-2024 Total	\$4,022,500	% Change from Previous CIP	-68%
		FY 2014-2023 Total	\$12,625,300		

This project will complete the arterial street widening and other improvements on Ocotillo Road to the eastern limit at 148th Street (City limit). The FY 2013-2022 CIP only included funding for design and land acquisition. The FY 2014-2023 CIP adds construction costs in the final year of the CIP, resulting in the 78% increase.



City of Chandler
2015-2024 Capital Improvement Program

6ST652	Wall Repairs	FY 2015-2024 Total	\$1,875,000	% Change from Previous CIP	4%
		FY 2014-2023 Total	\$1,800,000		

This project provides funding to repair or replace City-owned block walls, primarily in the north part of the City.

6ST661	Downtown Storm Drain Improvements	FY 2015-2024 Total	\$5,300,000	% Change from Previous CIP	0%
		FY 2014-2023 Total	\$5,300,000		

This project will fund improvements to the downtown area for increased flood control and efficiency.

6ST675	Cooper Road (Queen Creek to Riggs)	FY 2015-2024 Total	\$8,100,000	% Change from Previous CIP	-67%
		FY 2014-2023 Total	\$24,875,164		

This project will make improvements to Cooper Road from Queen Creek Road to Riggs Road. The project has been re-scoped resulting in 67% decrease in cost.

6ST678	Western Canal Crossing Improvements at UPRR	FY 2015-2024 Total	\$375,526	% Change from Previous CIP	-24%
		FY 2014-2023 Total	\$492,750		

This project will design and construct an improved crossing for bike and pedestrian traffic where the Western Canal multi-use path crosses the Union Pacific Railroad tracks. Design was funded in FY 2013-14.

6ST681 (New)	General Plan Update	FY 2015-2024 Total	\$250,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds to hire a consultant team and supplies to start the process to adhere to the State Statute mandate to update the City's General Plan every ten years. The last General Plan update was in 2008 and the process needs to begin in FY 2015-16 to have the updated General Plan on the ballot in 2018.

6ST685 (New)	Bike Lane Safety Improvements	FY 2015-2024 Total	\$431,290	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds to complete bike lanes on three different routes within the City (Frye Road, Ray Road, and Price Road).

6ST686 (New)	Route 56 Bus Shelters	FY 2015-2024 Total	\$66,392	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds for the purchase and installation of bus shelters and furniture for four new bus stops on Priest Drive.

6ST687 (New)	Traffic Controller Upgrades	FY 2015-2024 Total	\$542,700	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This federally funded project (94.3% Congestion Mitigation and Air Quality grant) will replace 511 traffic controllers in the field with new state-of-the art controllers to ensure full functionality with future software changes.



City of Chandler
2015-2024 Capital Improvement Program

6ST688 (New)	Flashing Yellow Arrows Installation	FY 2015-2024 Total	\$671,560	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds to install flashing yellow arrows at all signalized intersections in the City that use left turn arrows.

6ST689 (New)	4' Milling Head for Street Maintenance	FY 2015-2024 Total	\$350,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds to purchase a track type asphalt rotary cold plane milling machine with an approximate four foot rotary drum milling head and conveyor style material self-loading system.

6ST690 (New)	10-Wheel Dump Truck for Right of Way Crew	FY 2015-2024 Total	\$170,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funds to replace a 6-wheel dump truck with a 10-wheel dump truck.

6ST691 (New)	Refurbish Vector Truck	FY 2015-2024 Total	\$165,000	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funding for necessary maintenance that will prolong the life of the vector equipment on this truck.

6ST692 (New)	Chandler Heights Road (McQueen to Val Vista)	FY 2015-2024 Total	\$4,970,900	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project will provide funding for arterial street improvements to Chandler Heights Road (from McQueen Road to Gilbert Road) including four traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, turn lanes, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation.

6ST700 (New)	T&D Vehicles Over \$100,000 each	FY 2015-2024 Total	\$337,300	% Change from Previous CIP	NA
		FY 2014-2023 Total	\$0		

This project provides funding from the Vehicle Replacement Fund for the potential replacement of three "bucket trucks" in the T&D traffic section.



City of Chandler
2015-2024 Capital Improvement Program

DEFERRED PROJECTS

Projects not included in this Capital Improvement Program

The following projects, shown in an earlier CIP, have been deferred to an undetermined future year. The projects will be considered in future CIPs as revenues allow.

Ray Road/Dobson Road Intersection
Chandler Boulevard/Kyrene Road Intersection
Ray Road/Rural Road Intersection
Chandler Boulevard (Colorado Street to McQueen Road)
Frye Road Extension (Canal to Cooper)
Arizona Ave (Ocotillo Road to Riggs Road)
Chandler Heights Road (McQueen to Val Vista)
Lindsay Road (Ocotillo Rd to Hunt Highway)
Summitt/Elliot Life Fitness Trail
Bus Pullouts and Bus Stops
Bicycle Program Improvements
Street Capacity and Safety Improvements



City of Chandler
2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING

Most capital projects have a duration of more than one year or, in the case of some major capital maintenance programs, are funded on an annual basis. This typically results in some appropriation carrying from one fiscal year to the next, either for encumbered purchase orders or unspent appropriation. The table provides an estimate of projects that will carry appropriation into the new fiscal year, any new appropriation to provide an estimated total appropriation for the new fiscal year, and the source of funding for all projects. Carryforward amounts are estimates and will be recalculated at year-end based on actual spending.

Transportation & Development - Streets Capital - 3310

Proj#	Program	Carryforward Appropriation		2014-15	2014-15
		Encumbered Purchase Orders	Unencumbered March 2014	New Appropriation	Total Appropriation
6GG613	S Arizona Ave Corridor Improvements	\$ -	\$ 442,541	\$ 875,000	\$ 1,317,541
6ST014	Landscape Repairs	30,000	165,293	100,000	295,293
6ST015	Bus Stops and Bus Pullouts	-	50,856	-	50,856
6ST051	Streetlight Additions and Repairs	57,192	-	300,000	357,192
6ST248	Street Repaving	1,500,385	2,152,651	10,446,000	14,099,036
6ST291	Misc. Storm Drain Improvements	831,157	-	-	831,157
6ST302	Traffic Calming Measures	-	2,394	-	2,394
6ST303	Street Construction Various Improvements	319,218	1,208,752	3,447,000	4,974,970
6ST316	Alma School/Chandler Blvd Intersection	-	736,941	-	736,941
6ST322	New Traffic Signals	16,206	235,732	160,000	411,938
6ST323	Signal System Communications	-	46,153	-	46,153
6ST327	Video Detection Cameras	-	3,072	-	3,072
6ST478	McQueen (Queen Creek - Riggs)	4,292,521	1,851,775	4,760,000	10,904,296
6ST529	Old Price Road/Queen Creek Intersection	307,592	1,738,306	-	2,045,898
6ST548	Queen Creek Rd (McQueen to Lindsay)	-	-	1,819,000	1,819,000
6ST596	Gilbert Rd (Queen Creek to Hunt Hwy)	3,055,483	6,841,432	-	9,896,915
6ST607	Ocotillo Rd (Arizona - McQueen)	130,753	5,448,104	-	5,578,857
6ST608	Chandler Heights Rd (Arizona - McQueen)	-	-	1,667,625	1,667,625
6ST652	Wall Repairs	64,146	-	100,000	164,146
6ST672	Dobson-Ray-Elliot Fiber	979,443	-	-	979,443
6ST672	Cooper Road (Queen Creek - Riggs)	-	-	2,078,000	2,078,000
6ST678	Western Canal Crossing at UPRR	100,000	-	-	100,000
6ST680	Arizona Ave Light Rail Alternative Study	-	575,000	-	575,000
6ST681	General Plan Update	-	-	250,000	250,000
6ST685	Bike Lane Safety Improvements	-	-	110,000	110,000
6ST686	Route 56 Bus Shelters	-	-	66,392	66,392
6ST687	Traffic Control Upgrade	-	-	542,700	542,700
6ST689	4' Milling Head for Street Maintenance	-	-	350,000	350,000
6ST690	10-Wheel Dump Truck for Right of Way Crew	-	-	170,000	170,000
6ST691	Refurbish Vactor Truck	-	-	165,000	165,000
6ST700	T&D Vehicles over \$100,000 each	-	-	337,300	337,300
Total Capital Project Expenses		\$ 11,684,096	\$ 21,499,002	\$ 27,744,017	\$ 60,927,115



City of Chandler
 2015-2024 Capital Improvement Program

SUMMARY OF FY 2013-14 PROJECT CARRYFORWARD AND FY 2014-15 NEW PROJECT FUNDING (con't)

<u>Fund</u>					
215	Highway User Revenue Fund	\$ 1,172,975	\$ 111,066	\$ 2,046,000	\$ 3,330,041
216	LTAI II (HB2565)	-	625,856	13,278	639,134
401	General Gov't Capital Projects Fund	209,488	1,444,470	10,035,000	11,688,958
404	Vehicle Replacement Fund	-	-	337,300	337,300
410	Highway User Revenue Bond Fund	38,610	-	-	38,610
411	Street Bond Fund	2,012,564	7,427,621	3,661,889	13,102,074
412	Storm Sewer Bond Fund	607,157	-	-	607,157
415	Arterial Street Impact Fees	2,239,221	4,466,088	9,085,670	15,790,979
417	Capital Grants	5,404,081	7,423,901	2,564,880	15,392,862
Total Capital Project Funding		\$ 11,684,096	\$ 21,499,002	\$ 27,744,017	\$ 60,927,115



City of Chandler
2015-2024 Capital Improvement Program

STREETS/TRAFFIC COST SUMMARY

Project Cost by Fiscal Year

Proj #	Project	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
6GG613	South Arizona Avenue Improvements	\$ 875,000	\$ -	\$ -	\$ -	\$ -	\$ 875,000	\$ -	\$ 875,000
6ST011	Stormwater Management Master Plan	-	236,000	-	-	-	236,000	\$ 259,000	\$ 495,000
6ST014	Landscape Repairs	100,000	100,000	110,000	145,000	145,000	600,000	800,000	1,400,000
6ST051	Streetlight Additions and Repairs	300,000	300,000	300,000	356,000	370,000	1,626,000	1,950,000	3,576,000
6ST248	Street Repaving	10,446,000	10,650,000	10,650,000	10,991,000	10,995,000	53,732,000	55,976,300	109,708,300
6ST291	Miscellaneous Storm Drain Improvements	-	50,000	50,000	50,000	75,000	225,000	425,000	650,000
6ST303	Street Construction - Various Improvements	3,447,000	1,926,000	600,000	800,000	800,000	7,573,000	4,000,000	11,573,000
6ST316	Alma School/Chandler Intersection	-	6,531,000	-	-	-	6,531,000	-	6,531,000
6ST322	New Traffic Signals	160,000	160,000	160,000	400,000	400,000	1,280,000	2,000,000	3,280,000
6ST478	McQueen Rd (Queen Creek - Riggs)	4,760,000	-	-	-	-	4,760,000	-	4,760,000
6ST548	Queen Creek Rd (McQueen - Gilbert)	1,819,000	-	11,380,000	2,022,000	-	15,221,000	-	15,221,000
6ST608	Chandler Heights Rd (Arizona - McQueen)	1,667,625	-	-	-	-	1,667,625	9,446,200	11,113,825
6ST641	Ocotillo Road (Cooper to 148th St)	-	1,153,500	-	-	1,589,000	2,742,500	1,280,000	4,022,500
6ST652	Wall Repairs	100,000	100,000	100,000	225,000	225,000	750,000	1,125,000	1,875,000
6ST661	Downtown Storm Drain Improvements	-	-	300,000	2,500,000	2,500,000	5,300,000	-	5,300,000
6ST675	Cooper Road (Queen Creek to Riggs)	2,078,000	-	-	-	4,042,000	6,120,000	1,980,000	8,100,000
6ST678	Western Canal Crossing at UPRR	-	375,526	-	-	-	375,526	-	375,526
6ST681	General Plan Update	250,000	-	-	-	-	250,000	-	250,000
6ST685	Bike Lane Safety Improvements	110,000	321,290	-	-	-	431,290	-	431,290
6ST686	Route 56 Bus Shelters	66,392	-	-	-	-	66,392	-	66,392
6ST687	Traffic Controller Upgrades	542,700	-	-	-	-	542,700	-	542,700
6ST688	Flashing Yellow Arrows Installation	-	671,560	-	-	-	671,560	-	671,560
6ST689	4' Milling Head for Street Maintenance	350,000	-	-	-	-	350,000	-	350,000
6ST690	10-Wheel Dump Truck for Right of Way Crew	170,000	-	-	-	-	170,000	-	170,000
6ST691	Refurbish Vector Truck	165,000	-	-	-	-	165,000	-	165,000
6ST692	Chandler Heights Road (McQueen - Val Vista)	-	-	-	-	-	-	4,970,900	4,970,900
6ST700	T&D Vehicles Over \$100,000 each	337,300	-	-	-	-	337,300	-	337,300
Total - Streets/Traffic		\$ 27,744,017	\$ 22,574,876	\$ 23,650,000	\$ 17,489,000	\$ 21,141,000	\$ 112,598,893	\$ 84,212,400	\$ 196,811,293



City of Chandler
2015-2024 Capital Improvement Program

STREETS/TRAFFIC COST SUMMARY (con't)

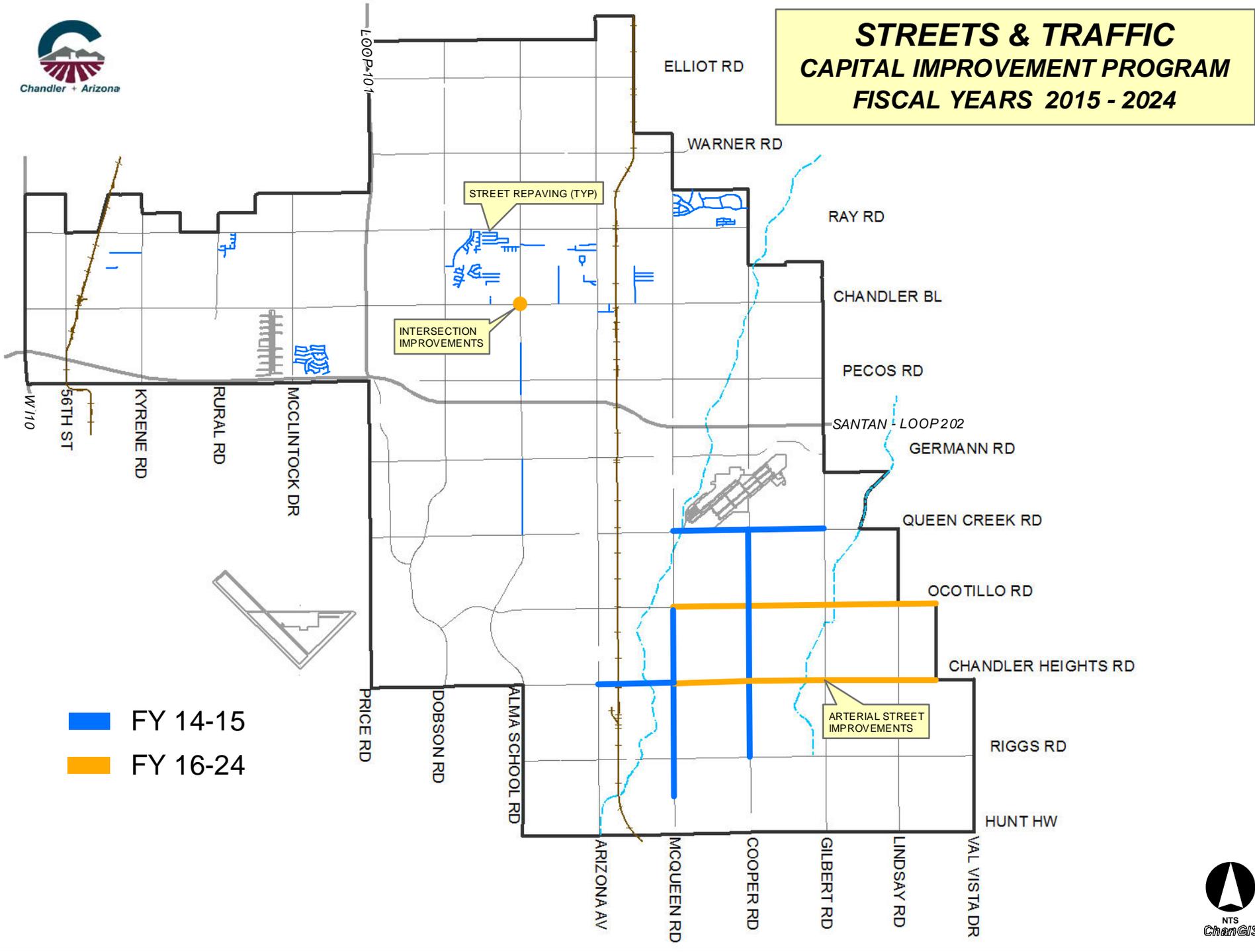
Revenue Sources by Fiscal Year

	2014-15	2015-16	2016-17	2017-18	2018-19	5 YR Total	2019-2024	10 YR Total
Highway User Revenue Fund	\$ 2,046,000	\$ 2,486,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 11,282,000	\$ 11,509,000	\$ 22,791,000
Local Transportation Assistance Fund	13,278	-	-	-	-	13,278	-	13,278
General Government Capital Projects Fund	10,035,000	10,136,251	9,100,000	500,000	500,000	30,271,251	1,814,300	32,746,129
Vehicle Replacement Fund	337,300	-	-	-	-	337,300	-	337,300
General Obligation Bonds - Streets	3,661,889	1,903,091	1,935,600	10,409,600	10,860,720	28,770,900	54,908,252	83,679,152
General Obligation Bonds - Stormwater	-	50,000	200,000	1,300,000	1,325,000	2,875,000	425,000	3,300,000
Arterial Street Impact Fees*	9,085,670	1,015,080	10,014,400	1,779,400	4,955,280	26,849,830	15,555,848	42,405,678
Capital Grants	2,564,880	6,674,454	150,000	1,250,000	1,250,000	11,889,334	-	11,889,334
Parks Bonds	-	310,000	-	-	-	310,000	-	310,000
Total - Streets/Traffic	\$ 27,744,017	\$ 22,574,876	\$ 23,650,000	\$ 17,489,000	\$ 21,141,000	\$ 112,598,893	\$ 84,212,400	\$ 196,811,293

* If Impact Fees are unavailable to cover projects at the time of need, a portion may come from G.O. Bonds and will be repaid with future Impact Fees.



STREETS & TRAFFIC CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2015 - 2024





City of Chandler
 2015-2024 Capital Improvement Program

South Arizona Ave Improvements **General Government** Project # 6GG613

This phase of the project will provide Washington Street improvements to provide water and sewer for a development project and additional funding for land acquisitions on Washington Street.

Estimated Total Project Cost: **\$19,036,032** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Study	\$16,000	0	0	0	0	0	0	0	0	0	\$16,000
Staff Charges	\$18,000	0	0	0	0	0	0	0	0	0	\$18,000
Land Acquisition	\$425,000	0	0	0	0	0	0	0	0	0	\$425,000
Design	\$32,000	0	0	0	0	0	0	0	0	0	\$32,000
Contingency	\$32,000	0	0	0	0	0	0	0	0	0	\$32,000
Construction	\$320,000	0	0	0	0	0	0	0	0	0	\$320,000
Construction Mgmt	\$32,000	0	0	0	0	0	0	0	0	0	\$32,000
Total	\$875,000	0	\$875,000								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Streets G.O. Bonds (411)	\$875,000	0	0	0	0	0	0	0	0	0	\$875,000
Total	\$875,000	0	\$875,000								



City of Chandler
 2015-2024 Capital Improvement Program

Stormwater Management Master Plan **Streets/Traffic** Project # 6ST011

The City's Stormwater Management Master Plan was adopted in 2006. It is imperative to keep this Master Plan updated on a regular and consistent basis to keep pace with growth so that infrastructure requirements can be constructed at the proper time and location. It is recommended that the Stormwater Master Plan be updated on a five-year to ten-year cycle, depending on growth and development in Chandler. The update will review all capital improvement requirements to ensure that the improvements are cost effective and will prioritize needed improvements. Stormwater system improvements will be reviewed along with any Arizona Pollutant Discharge Elimination System (AZPDES) requirements outlined in subsequent Small Municipal Separate Storm Sewer System (MS4) General Permits expected to go into effect during FY 2014-15 and FY 2021-22.

Estimated Total Project Cost: **Recurring program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Study	\$0	236,000	0	0	0	0	0	0	259,000	0	\$495,000
Total	\$0	236,000	0	0	0	0	0	0	259,000	0	\$495,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
HURF (215)	\$0	236,000	0	0	0	0	0	0	259,000	0	\$495,000
Total	\$0	236,000	0	0	0	0	0	0	259,000	0	\$495,000



City of Chandler
 2015-2024 Capital Improvement Program

Landscape Repairs	Streets/Traffic Project # 6ST014
--------------------------	---

The City's landscape is continually in need of updated irrigation systems, plant materials, and decomposed granite as sites age and are damaged. The upgrade proposed is intended to keep the identified area at acceptable levels within a designated area. For FY 2014-15 we have identified several areas that need granite replenishment to keep the area looking fresh. This request is intended to be sufficient to cover potential storm damage, tree replacement, tree removal/special work, two booster pumps, and some area upgrades of trees, shrubs, irrigation, and granite. Decomposed granite replenishment is planned at the following sites: Rural Road medians near Ray Road, Cooper Road medians near Queen Creek Road, and Cooper Road medians from Riggs Road to Hunt Highway.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$75,000	75,000	85,000	114,750	114,750	114,750	134,750	134,750	134,750	129,750	\$1,113,250
Contingency	\$15,000	15,000	15,000	18,150	18,150	18,150	18,150	18,150	18,150	18,150	\$172,050
Construction Mgmt	\$10,000	10,000	10,000	12,100	12,100	12,100	12,100	12,100	12,100	12,100	\$114,700
Total	\$100,000	100,000	110,000	145,000	145,000	145,000	165,000	165,000	165,000	160,000	\$1,400,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Streets G.O. Bonds (411)	\$100,000	100,000	110,000	145,000	145,000	145,000	165,000	165,000	165,000	160,000	\$1,400,000
Total	\$100,000	100,000	110,000	145,000	145,000	145,000	165,000	165,000	165,000	160,000	\$1,400,000



City of Chandler
 2015-2024 Capital Improvement Program

Streetlight Additions and Repairs **Streets/Traffic** Project # 6ST051

Installation of additional street lights on arterial, collector, and local streets is proposed to increase lighting levels to meet City standards. The City receives several calls per year about inadequate lighting on local streets in residential areas. These requests are evaluated on a case-by-case basis. Existing poles also need to be replaced due to motor vehicle accident damage or rust. For FY 2014-15, the budget includes \$150,000 for rusted and pole replacements and new streetlights. This project provides for installation of 62 street lights per year from all causes (rust, accidental damage, and new installations) and is consistent with current replacements. Presently, 29% of accident damage is recoverable through the responsible parties' insurance. The City has a relatively new streetlight pole inventory. The number of rusted poles needing replacement will continue to increase commensurate with the average age of the City's poles. In recent years, we have modified our streetlight standards to reduce future maintenance cost to include galvanizing in 2001, concrete foundations in 2007, and LED lighting in 2014. This budget is needed to maintain our lights in good operating order. Beginning January 2014, the City has adopted LED street lights as a City standard. LED lights are 50% more energy efficient and offer a whiter color rendition. Approximately 2,100 (8%) out of 27,000 lights in the City have been converted to LED thus far using Community Block Development Grants (CDBG) and Department of Energy (DOE) grants. This program will establish a CIP retrofit program beginning in FY 2014-15. The payback period for this conversion is 7 years based on energy savings and maintenance savings (no bulb outages). These LED lights have a life expectancy of more than 20 years, and come with a manufacturers' warranty of five to ten years depending on the brand. The first two years of this program will involve retrofitting the remaining APS lights along the arterial roads (Chandler Boulevard, Pecos Road, Alma School Road, Arizona Avenue, and portions of McQueen Road). Subsequent years will involve retrofitting one to two square mile at a time beginning in north Chandler. It is anticipated that this program may be accelerated in future years, subject to further LED price reductions and as funding permits.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$300,000	300,000	300,000	356,000	370,000	370,000	370,000	370,000	420,000	420,000	\$3,576,000
Total	\$300,000	300,000	300,000	356,000	370,000	370,000	370,000	370,000	420,000	420,000	\$3,576,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Streets G.O. Bonds (411)	\$300,000	300,000	300,000	356,000	370,000	370,000	370,000	370,000	420,000	420,000	\$3,576,000
Total	\$300,000	300,000	300,000	356,000	370,000	370,000	370,000	370,000	420,000	420,000	\$3,576,000



City of Chandler
 2015-2024 Capital Improvement Program

Street Repaving **Streets/Traffic** **Project # 6ST248**

Every three years the Streets Division inventories all streets within the City and evaluates the condition of the pavement. This data is entered into a computerized preventative maintenance tracking system to identify which streets are in need of maintenance or rehabilitation. Streets with a Pavement Quality Index (PQI) of 40 (on a scale of 1 to 100) and below are placed into this project for street repaving. Currently, the City system has about 2,016 lane miles of streets. Approximately 21.6%, or 437 lane miles, currently need repaving. The specific streets to be repaved will be evaluated each year based upon known construction projects in the area (i.e., avoid repaving just prior to major residential/commercial construction) and cost effectiveness (grouping streets in a neighborhood into one larger project). Approximately 53 lane miles of street will be rehabilitated this year. The rehabilitation work is done to help sustain longer street infrastructure life and economic value to our street inventory system. Street sealing will be completed on roads that are in fair to good condition and asphalt rehabilitation on streets in poor condition. As a side product to our efforts, we recycle the asphalt millings from our rehabilitation projects to use on other street and alley projects. This year \$44,800 will be set aside as matching funds to a \$741,200 federal grant to rehabilitate approximately 10 centerline miles of alleys. This work consists of removing 4" to 6" of the existing dirt and gravel and replaced with the same amount of crushed millings from our repaving project. The millings will significantly reduce dust generated by vehicles accessing the alleyways.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$10,446,000	10,650,000	10,650,000	10,991,000	10,995,000	11,101,000	11,192,000	11,286,000	11,197,300	11,200,000	\$109,708,300
Total	\$10,446,000	10,650,000	10,650,000	10,991,000	10,995,000	11,101,000	11,192,000	11,286,000	11,197,300	11,200,000	\$109,708,300

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$8,400,000	8,400,000	8,400,000	500,000	500,000	500,000	500,000	500,000	314,300	0	\$28,014,300
HURF (215)	\$2,046,000	2,249,999	2,250,000	2,250,000	2,250,000	2,250,000	2,250,000	2,250,000	2,250,000	2,250,000	\$22,296,000
Streets G.O. Bonds (411)	\$0	0	0	8,241,000	8,245,000	8,351,000	8,442,000	8,536,000	8,633,000	8,950,000	\$59,398,000
Total	\$10,446,000	10,649,999	10,650,000	10,991,000	10,995,000	11,101,000	11,192,000	11,286,000	11,197,300	11,200,000	\$109,708,300



City of Chandler
 2015-2024 Capital Improvement Program

Miscellaneous Storm Drain Improvements **Streets/Traffic** Project # 6ST291

This project is for miscellaneous storm drainage improvements that have been identified in the most current Stormwater Master Plan Update and/or determined to be a nuisance or in disrepair upon inspection. These are typically small projects that correct localized drainage issues and/or other improvements deemed necessary to mitigate ponding or to improve existing stormwater collection system components as funding allows. Projects are prioritized based on West Nile Virus concerns, drainage issues, and other ongoing development or CIP work including: installation of new drywells; replacement of trash racks, catch basin grates, and manhole covers; the installation, modification, or replacement of drainage structures such as catch basins, scuppers, and pump station installations and repairs; and pump replacement and improvements to retention basins located within the public right of way. Storm drainage system improvements are imperative to ensure that adequate capacity and functionality of the stormwater collection system is maintained.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$0	50,000	50,000	50,000	75,000	75,000	75,000	75,000	100,000	100,000	\$650,000
Total	\$0	50,000	50,000	50,000	75,000	75,000	75,000	75,000	100,000	100,000	\$650,000

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Stormwater G.O. Bonds (412)	\$0	50,000	50,000	50,000	75,000	75,000	75,000	75,000	100,000	100,000	\$650,000
Total	\$0	50,000	50,000	50,000	75,000	75,000	75,000	75,000	100,000	100,000	\$650,000



City of Chandler
2015-2024 Capital Improvement Program

Street Construction - Various Improvements **Streets/Traffic** Project # 6ST303

Each fiscal year projects arise that require a funding commitment before the next budget cycle. These funds allow the City to enter into agreements with other agencies for priority projects, to construct small projects that address safety or citizen issues, or to allow participation in developer constructed improvements.

This project gives the Transportation & Development Department the ability to address and fund items that arise outside of the normal budget cycle. In FY 2014 (design and right of way); and FY 2015-16 (utility and construction), there is an increase in requested funding to accommodate the City's obligations for the proposed Kyrene Road & Loop 202 Business Park development agreement that was approved by Council. This development agreement commits the City to construct improvements in addition to the developer required improvements. Improvements involve constructing a residential collector roadway from west of Kyrene Road to Roosevelt Avenue with box culvert bridge crossing at the Gila Drain Canal; streetlights; curb, gutter, sidewalk, and landscape.

In FY 2014-15 (design and right of way); and FY 2015-16 (utility and construction), there is an increase in requested funding for Emmett Drive. The improvements include construction of a half street industrial collector roadway from Ryan Road to 1/4 mile south with streetlights; curb, gutter, and sidewalk, and landscape.

For the past seven years, the City has been successful in obtaining year-end closeout Congestion Mitigation and Air Quality (CMAQ) grants for various projects and for other federal, state, or county grants and, most recently, the turn back of a portion of Arizona Avenue (Ocotillo to Riggs) from the Arizona Department of Transportation (ADOT) funding. The notification of these grants is often received after the budget has been finalized. The request for \$2 million in grant appropriation are for these unforeseen grant awards.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Utility Relocation	\$0	310,000	0	0	0	0	0	0	0	0	\$310,000
Staff Charges	\$22,000	18,000	0	0	0	0	0	0	0	0	\$40,000
Construction	\$3,090,000	1,380,000	600,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	\$10,670,000
Additional Services	\$79,000	0	0	0	0	0	0	0	0	0	\$79,000
Design	\$158,000	0	0	0	0	0	0	0	0	0	\$158,000
Contingency	\$49,000	109,000	0	0	0	0	0	0	0	0	\$158,000
Construction Mgmt	\$49,000	109,000	0	0	0	0	0	0	0	0	\$158,000
Total	\$3,447,000	1,926,000	600,000	800,000	\$11,573,000						



City of Chandler
 2015-2024 Capital Improvement Program

Street Construction - Various Improvements							Streets/Traffic	Project # 6ST303			
Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Capital Grants (417)	\$2,000,000	0	0	0	0	0	0	0	0	0	\$2,000,000
General Govt Capital Projects (401)	\$600,000	1,616,000	600,000	0	0	0	0	0	0	0	\$2,816,000
Park G.O. Bonds (420)	\$0	310,000	0	0	0	0	0	0	0	0	\$310,000
Streets G.O. Bonds (411)	\$847,000	0	0	800,000	800,000	800,000	800,000	800,000	800,000	800,000	\$6,447,000
Total	\$3,447,000	1,926,000	600,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	\$11,573,000



City of Chandler
2015-2024 Capital Improvement Program

Alma School Road/Chandler Boulevard Intersection **Streets/Traffic** Project # 6ST316

There are numerous arterial street intersections in the City where peak period traffic demands approach or exceed the volume that can be handled safely and efficiently. This results in motorists having to wait for two or more changes of the traffic signal to pass through the intersection. This project will increase the capacity of the intersection when completed resulting in improved traffic safety, reduced traffic delays, and increased air quality. This intersection will be improved by the addition of left turn lanes for all directions of travel, a third auxiliary through lane, right turn lanes, medians, traffic signal modifications, street lighting, storm drainage, and landscaping. The cost of this project will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2013-14 (\$0.6M), FY 2014-15 (\$1.662M), and FY 2016-17 (\$0.605M). Staff has secured \$5.719 million in federal funds for this project from the Highway Safety Improvement Program (HSIP) grant program. This project will improve the City's sustainability by reducing traffic congestion and improving air quality and traffic safety. Reduced congestion will result in improved air quality and fewer traffic delays for our citizens. Similar recent improvements in Chandler have resulted in a 20% to 40% reduction in traffic accidents and resulting injuries and property damage. Construction will be completed in Fall 2016.

Estimated Total Project Cost: **\$9,552,622** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	97,000	0	0	0	0	0	0	0	0	\$97,000
Construction	\$0	5,320,000	0	0	0	0	0	0	0	0	\$5,320,000
Contingency	\$0	557,000	0	0	0	0	0	0	0	0	\$557,000
Construction Mgmt	\$0	557,000	0	0	0	0	0	0	0	0	\$557,000
Total	\$0	6,531,000	0	\$6,531,000							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Capital Grants (417)	\$0	4,208,929	0	0	0	0	0	0	0	0	\$4,208,929
Streets G.O. Bonds (411)	\$0	2,322,071	0	0	0	0	0	0	0	0	\$2,322,071
Total	\$0	6,531,000	0	\$6,531,000							

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	12,200	12,200	12,200	12,200	12,200	12,200	12,200	12,200	\$97,600
Total	\$0	0	12,200	\$97,600							



City of Chandler
2015-2024 Capital Improvement Program

New Traffic Signals	Streets/Traffic Project # 6ST322
----------------------------	---

This project will provide traffic signal equipment for ongoing operations, maintenance, and rehabilitation of existing traffic signals. The equipment is necessary to maintain City infrastructure due to accidents, lightning strikes, and failures due to age. Project funding for FY 2014-15 includes \$160,000 for traffic signal poles, heads, and replacement of illuminated street name sign faces, controllers, and cabinets needed for replacement due to equipment failure, age, motor vehicle accidents, or obsolescence.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	2,500	2,500	2,500	2,500	2,500	2,500	2,500	\$17,500
Equipment	\$160,000	160,000	160,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$1,180,000
Construction	\$0	0	0	297,500	297,500	297,500	297,500	297,500	297,500	297,500	\$2,082,500
Total	\$160,000	160,000	160,000	400,000	\$3,280,000						

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Streets G.O. Bonds (411)	\$160,000	160,000	160,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	\$3,280,000
Total	\$160,000	160,000	160,000	400,000	\$3,280,000						



City of Chandler
2015-2024 Capital Improvement Program

McQueen Road (Queen Creek Rd to Riggs Rd) Streets/Traffic Project # 6ST478

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to McQueen Road from Queen Creek Road to Riggs Road are needed to meet the traffic demands in this area of south Chandler. The improvements to McQueen Road will consist of six traffic lanes from Queen Creek Road to Ocotillo Road, four traffic lanes from Ocotillo Road to Riggs Road, bike lanes, sidewalks, curbs and gutters, street lighting, turn lanes, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation. The first mile from Queen Creek Road to Ocotillo Road was constructed and completed in FY 2010-11. In the FY 2013-14 budget cycle, a design update was completed to bring the project plans to the new 2012 ADA standards as well as bringing the plans up to federal standards according to federal grant requirements. Portions of this roadway segment have been constructed by private developments along McQueen Road. This project will complete the remaining portion of this roadway. The cost of this project will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2016-17 (\$1.067M), FY 2017-18 (\$0.930M) and FY 2018-19 (\$3.243M). Staff has secured grant funding (\$0.309M) with the Maricopa County Department of Transportation in FY 2016-17.

Estimated Total Project Cost: **\$25,956,246** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Utility Relocation	\$550,000	0	0	0	0	0	0	0	0	0	\$550,000
Staff Charges	\$128,000	0	0	0	0	0	0	0	0	0	\$128,000
Construction	\$3,310,000	0	0	0	0	0	0	0	0	0	\$3,310,000
Contingency	\$386,000	0	0	0	0	0	0	0	0	0	\$386,000
Construction Mgmt	\$386,000	0	0	0	0	0	0	0	0	0	\$386,000
Total	\$4,760,000	0	\$4,760,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$4,188,800	0	0	0	0	0	0	0	0	0	\$4,188,800
Streets G.O. Bonds (411)	\$571,200	0	0	0	0	0	0	0	0	0	\$571,200
Total	\$4,760,000	0	\$4,760,000								

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	30,800	30,800	30,800	30,800	30,800	30,800	30,800	30,800	30,800	\$277,200
Total	\$0	30,800	\$277,200								



City of Chandler
2015-2024 Capital Improvement Program

Queen Creek Road (McQueen Rd to Gilbert Rd) Streets/Traffic Project # 6ST548

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to Queen Creek Road will ultimately consist of six traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation. The first phase of this project will extend the Queen Creek Road improvements from McQueen Road to Cooper Road. The cost of this project will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2017-18 (\$0.787M), FY 2018-19 (\$2.282M) and FY 2020-21 (\$2.864M). Staff will continue to pursue additional federal funds for this project. Staff is also working with the Maricopa County Department of Transportation to secure grant funding in future fiscal years.

Estimated Total Project Cost: **\$15,361,957** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Utility Relocation	\$0	0	1,060,000	190,000	0	0	0	0	0	0	\$1,250,000
Staff Charges	\$59,000	0	160,000	30,000	0	0	0	0	0	0	\$249,000
Land Acquisition	\$1,760,000	0	0	0	0	0	0	0	0	0	\$1,760,000
Construction	\$0	0	8,290,000	1,470,000	0	0	0	0	0	0	\$9,760,000
Contingency	\$0	0	935,000	166,000	0	0	0	0	0	0	\$1,101,000
Construction Mgmt	\$0	0	935,000	166,000	0	0	0	0	0	0	\$1,101,000
Total	\$1,819,000	0	11,380,000	2,022,000	0	0	0	0	0	0	\$15,221,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$1,600,720	0	10,014,400	1,779,400	0	0	0	0	0	0	\$13,394,520
Streets G.O. Bonds (411)	\$218,280	0	1,365,600	242,600	0	0	0	0	0	0	\$1,826,480
Total	\$1,819,000	0	11,380,000	2,022,000	0	0	0	0	0	0	\$15,221,000

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	15,300	15,300	15,300	15,300	15,300	15,300	\$91,800
Total	\$0	0	0	0	15,300	15,300	15,300	15,300	15,300	15,300	\$91,800



City of Chandler
2015-2024 Capital Improvement Program

Chandler Heights Road (Arizona Ave to McQueen Rd) Streets/Traffic Project # 6ST608

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to Chandler Heights Road (1/4 mile west of Arizona Avenue to McQueen Road) will consist of four traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation.

This project will improve Chandler Heights Road from Arizona Avenue to McQueen Road and improve traffic circulation and congestion in this area of Chandler. Design for Chandler Heights Road (Arizona Avenue to McQueen Road) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2021-22 (\$0.721M). Right of way for Chandler Heights Road (Arizona Avenue to McQueen Road) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2021-22 (\$0.567M). Construction for Chandler Heights Road (Arizona Avenue to McQueen Road) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2022-23 (\$3.246M) and FY 2023-24 (\$2.791M).

Estimated Total Project Cost: **\$11,113,825** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Utility Relocation	\$0	0	0	0	0	1,220,000	0	0	0	0	\$1,220,000
Staff Charges	\$43,000	0	0	0	0	150,000	0	0	0	0	\$193,000
Land Acquisition	\$710,000	0	0	0	0	0	0	0	0	0	\$710,000
Construction	\$0	0	0	0	0	7,550,000	0	0	0	0	\$7,550,000
Additional Services	\$304,875	0	0	0	0	0	0	0	0	0	\$304,875
Design	\$609,750	0	0	0	0	0	0	0	0	0	\$609,750
Contingency	\$0	0	0	0	0	263,100	0	0	0	0	\$263,100
Construction Mgmt	\$0	0	0	0	0	263,100	0	0	0	0	\$263,100
Total	\$1,667,625	0	0	0	0	9,446,200	0	0	0	0	\$11,113,825

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$1,467,510	0	0	0	0	8,312,656	0	0	0	0	\$9,780,166
Streets G.O. Bonds (411)	\$200,115	0	0	0	0	1,133,544	0	0	0	0	\$1,333,659
Total	\$1,667,625	0	0	0	0	9,446,200	0	0	0	0	\$11,113,825



City of Chandler
 2015-2024 Capital Improvement Program

Chandler Heights Road (Arizona Ave to McQueen Rd)							Streets/Traffic	Project # 6ST608			
<u>Operations and Maintenance Impact</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Ongoing Expenses	\$0	0	0	0	0	0	15,400	15,400	15,400	15,400	\$61,600
Total	\$0	0	0	0	0	0	15,400	15,400	15,400	15,400	\$61,600



City of Chandler
 2015-2024 Capital Improvement Program

Ocotillo Road (Cooper Rd to 148th St) Streets/Traffic Project # 6ST641

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to Ocotillo Road will consist of four traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation. This project will improve Ocotillo Road from Cooper Road to the east City limit at 148th Street. Design will start in FY 2020-21, and right of way acquisition will start in FY 2021-22. Design for Ocotillo Road (Cooper Road to 148th Street) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2021-22 (\$1.172M). Right of way for Ocotillo Road (Cooper Road to 148th Street) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2021-22 (\$1.106M). Construction for Ocotillo Road (Cooper Road to 148th Street) will be partially reimbursed by the Regional Transportation Sales Tax programmed in FY 2022-23 (\$2.110M) and FY 2023-24 (\$2.110M).

Estimated Total Project Cost: **\$4,022,500** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	20,000	0	0	50,000	0	0	0	0	0	\$70,000
Land Acquisition	\$0	490,000	0	0	0	0	0	1,280,000	0	0	\$1,770,000
Additional Services	\$0	214,500	0	0	513,000	0	0	0	0	0	\$727,500
Design	\$0	429,000	0	0	1,026,000	0	0	0	0	0	\$1,455,000
Total	\$0	1,153,500	0	0	1,589,000	0	0	1,280,000	0	0	\$4,022,500

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$0	1,015,080	0	0	1,398,320	0	0	1,126,400	0	0	\$3,539,800
Streets G.O. Bonds (411)	\$0	138,420	0	0	190,680	0	0	153,600	0	0	\$482,700
Total	\$0	1,153,500	0	0	1,589,000	0	0	1,280,000	0	0	\$4,022,500



City of Chandler
 2015-2024 Capital Improvement Program

Wall Repairs	Streets/Traffic Project # 6ST652
---------------------	---

Walls decline every year mostly due to age, vandalism, and accidents. The quantity of repairs needs to be increased to meet the demand for landscape upgrades that are necessary. Upgrades for FY 2014-15 will be the repair of the 2,500 foot total length of wall on the north and south sides of the El Paso gas line corridor/easement at the Crestview subdivision about one-quarter mile east of Kyrene Road, south of Chandler Boulevard, from Oak Street to east of Elm Street. The approximate cost of \$125,000 is based on a unit price of \$50 per linear foot.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$100,000	100,000	100,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	\$1,875,000
Total	\$100,000	100,000	100,000	225,000	\$1,875,000						

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$100,000	100,000	100,000	0	0	0	0	0	0	0	\$300,000
Streets G.O. Bonds (411)	\$0	0	0	225,000	225,000	225,000	225,000	225,000	225,000	225,000	\$1,575,000
Total	\$100,000	100,000	100,000	225,000	\$1,875,000						



City of Chandler
 2015-2024 Capital Improvement Program

Downtown Storm Drain Improvements **Streets/Traffic** Project # 6ST661

Improvements to the storm drainage system within the central Chandler area are needed to provide for increased flood control and efficiency. Such improvements are detailed in the 2006 Stormwater Master Plan Update and the Downtown Chandler Drainage Improvements Candidate Assessment Report (CAR) completed in June 2010. Improvements include the installation of approximately 1,000 linear feet of 36” storm drain pipe along Galveston Street from Hamilton Street to Exeter Street and 1,000 linear feet of 42” storm drain pipe along Erie Street from Hamilton Street to Exeter Street. These drains will drain into the existing Detroit Basin (Gazelle Meadows Park) at Exeter Street. A new storm drain from Ivanhoe Street south to Galveston Street along the east side of the railroad tracks will empty into the Detroit Basin. Approximately 1,500 linear feet of new 48” storm drain pipe will originate at the southwest corner of the Detroit Basin and connect to the existing Chandler Boulevard storm drain. The City has been awarded \$2.7 million from the Flood Control District of Maricopa County (FCDMC) Capital Improvement Program Prioritization program in 2008, which results in a 50/50 cost share. The FCDMC currently has funding for the design of the project in FY 2016-17 and construction in FY 2017-18 and FY 2018-19. Estimated Total Project Cost: \$5,300,000. Design: FY 2016-17 (\$300,000). Construction: FY 2017-18 (\$2,500,000) and FY 2018-19 (\$2,500,000).

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Staff Charges	\$0	0	0	100,000	100,000	0	0	0	0	0	\$200,000
Design	\$0	0	300,000	0	0	0	0	0	0	0	\$300,000
Construction	\$0	0	0	1,900,000	1,900,000	0	0	0	0	0	\$3,800,000
Contingency	\$0	0	0	250,000	250,000	0	0	0	0	0	\$500,000
Construction Mgmt	\$0	0	0	250,000	250,000	0	0	0	0	0	\$500,000
Total	\$0	0	300,000	2,500,000	2,500,000	0	0	0	0	0	\$5,300,000

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants (417)	\$0	0	150,000	1,250,000	1,250,000	0	0	0	0	0	\$2,650,000
Stormwater G.O. Bonds (412)	\$0	0	150,000	1,250,000	1,250,000	0	0	0	0	0	\$2,650,000
Total	\$0	0	300,000	2,500,000	2,500,000	0	0	0	0	0	\$5,300,000



City of Chandler
2015-2024 Capital Improvement Program

Cooper Road (Queen Creek Rd to Riggs Rd) Streets/Traffic Project # 6ST675

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to Cooper Road will consist of four traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, turn lanes, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation. The funding requested for this project will extend Cooper Road improvements from Queen Creek Road to Chandler Heights Road.

Estimated Total Project Cost: **Ongoing program** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Utility Relocation	\$0	0	0	0	190,000	0	0	0	0	0	\$190,000
Staff Charges	\$55,000	0	0	0	70,000	0	0	0	0	0	\$125,000
Land Acquisition	\$970,000	0	0	0	0	1,980,000	0	0	0	0	\$2,950,000
Design	\$702,000	0	0	0	0	0	0	0	0	0	\$702,000
Construction	\$0	0	0	0	3,120,000	0	0	0	0	0	\$3,120,000
Additional Services	\$351,000	0	0	0	0	0	0	0	0	0	\$351,000
Contingency	\$0	0	0	0	331,000	0	0	0	0	0	\$331,000
Construction Mgmt	\$0	0	0	0	331,000	0	0	0	0	0	\$331,000
Total	\$2,078,000	0	0	0	4,042,000	1,980,000	0	0	0	0	\$8,100,000

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$1,828,640	0	0	0	3,556,960	1,742,400	0	0	0	0	\$7,128,000
Streets G.O. Bonds (411)	\$249,360	0	0	0	485,040	237,600	0	0	0	0	\$972,000
Total	\$2,078,000	0	0	0	4,042,000	1,980,000	0	0	0	0	\$8,100,000

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$0	0	0	0	0	0	79,600	79,600	79,600	79,600	\$318,400
Total	\$0	0	0	0	0	0	79,600	79,600	79,600	79,600	\$318,400



City of Chandler
2015-2024 Capital Improvement Program

Western Canal Crossing Improvements at UPRR **Streets/Traffic** Project # 6ST678

Construct at grade bicycle/pedestrian crossing improvements at the Western Canal crossing at the Union Pacific Railroad (UPRR). The City currently has a license agreement with Salt River Project (SRP) for an existing multi-use path along the south side of the Western Canal from Price Road to the Union Pacific Railroad (UPRR), 1/2 mile east of Arizona Avenue. The proposed project scope consists of filling in a gap within an existing multi-use trail system at the UPRR crossing by constructing a 10' wide concrete path adding at grade railroad crossing improvements. Crossing improvements are proposed to include the wooden panels with concrete panels and adding railroad signals with gates. Additionally, proposed improvements include education trail map signage and a bench for trail users. The existing multi-use path is part of a regional transportation system. It is part of the Sun Circle Trail, which provides pedestrian/bicycle links to several Tempe, Chandler, Mesa, and Gilbert destinations. At the railroad crossing, UPRR is the fee owner of the right of way. SRP retains access and maintenance rights for irrigation and electric facilities. An agreement for at-grade crossing improvements will be required with UPRR. When an agreement is finalized between UPRR and the City, Arizona Corporation Commission (ACC) approvals will be necessary.

Estimated Total Project Cost: **\$475,526** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$0	375,526	0	0	0	0	0	0	0	0	\$375,526
Total	\$0	375,526	0	\$375,526							

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants (417)	\$0	355,275	0	0	0	0	0	0	0	0	\$355,275
General Govt Capital Projects (401)	\$0	20,251	0	0	0	0	0	0	0	0	\$20,251
Total	\$0	375,526	0	\$375,526							



City of Chandler
 2015-2024 Capital Improvement Program

General Plan Update **Planning** Project # 6ST681

State statutes mandate that cities update their General Plan every ten years. The last General Plan Update was in 2008. Staff is expecting a multiple year program beginning in 2015 to commence with the update culminating in Council adoption and ratification by the voters in 2018. This budget item will provide funds to hire a consultant team comprised of Planning, Economists, and Public Outreach Specialists to assist with the effort along with funds for hard costs such as supplies needed to begin the process.

Estimated Total Project Cost: **\$250,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$250,000	0	0	0	0	0	0	0	0	0	\$250,000
Total	\$250,000	0	\$250,000								



City of Chandler
2015-2024 Capital Improvement Program

Bike Lane Safety Improvements **Streets/Traffic** Project # 6ST685

This funding request will address safety issues by completing bike lanes on three different bike routes (Frye Road, Ray Road and Price Road), which currently have short gaps of missing bike lanes. On Frye Road, biking conditions are hazardous near intersections with Dobson Road and Alma School Road because the bike lanes on Frye Road disappear for about 1/8 mile east and west of each intersection. This project would remove medians east and west of these intersections to create space for completing the Frye Road bike lanes. In total, approximately 1 mile of bike lane on Frye Road will be added. Also on Frye Road, a bicycle connectivity issue will be addressed. At Frye Road, just east of the Paseo Canal, an approximately 150-foot long, 8-foot wide multi-use path will connect the canal to Cooper Road, where the Frye Road bike route continues to the east. On Ray Road unsafe biking conditions are created by the lack of a short stretch of bike lane just west of Price Road in the westbound direction. A shared lane marking ("sharrow") currently exists, but traffic speeds are too fast on Ray Road for this to be considered a safe condition. The Manual on Uniform Traffic Control Devices (MUTCD) states that shared lane markings should not be used where speeds are greater than 35 mph. This project would narrow a deceleration lane for approximately 400 feet and relocate about 150 feet of curb and gutter to accommodate about 550 feet of bike lane, completing the bike lane on Ray Road and removing the existing safety hazards. Similarly, Price Road has unsafe biking conditions because a shared lane marking takes the place of a bike lane for a short segment. Again, according to MUTCD standards, traffic speeds are too fast for the shared lane marking to be considered safe. This situation occurs on a segment of northbound Price Road that is just north of the 202 interchange, where the bike lane disappears for about 600 feet and is replaced with a shared use marking. This project will relocate about 600 feet of curb, gutter and sidewalk to make space for a bike lane, which will complete the bike lane on Price Road. This project has not yet been awarded grant funding; however, an Federal Highway Administration (FHWA) Transportation Alternatives grant application for \$231,289.61 has been submitted and is currently being reviewed by MAG. The grant would cover a majority of construction costs. Local funds would need to pay for the ADOT fee (\$20,000), design (estimated at \$90,000) and construction (estimated at \$90,000), for a total local funding cost estimated at \$200,000.

Estimated Total Project Cost: **\$431,290** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Fees	\$20,000	0	0	0	0	0	0	0	0	0	\$20,000
Design	\$90,000	0	0	0	0	0	0	0	0	0	\$90,000
Construction	\$0	321,290	0	0	0	0	0	0	0	0	\$321,290
Total	\$110,000	321,290	0	\$431,290							

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Capital Grants (417)	\$0	231,290	0	0	0	0	0	0	0	0	\$231,290
Streets G.O. Bonds (411)	\$110,000	90,000	0	0	0	0	0	0	0	0	\$200,000
Total	\$110,000	321,290	0	\$431,290							



City of Chandler
2015-2024 Capital Improvement Program

Route 56 Bus Shelters **Streets/Traffic** Project # 6ST686

Route 56 (Priest Drive) recently expanded into Chandler, which created four new bus stops in the City. Under this project, bus shelter furniture will be purchased and installed at each of the four bus stops in Chandler. Concrete pads for each bus stop have already been poured, and are ready for bus shelter furniture to be installed. Bus shelter furniture will include bus shelter with seating on both sides of a shade screen in order to maximize shade opportunities throughout the day, trash can, solar lighting, and bus schedule holders. If funding allows, bike loops/racks and kiosks for display of transit system maps will also be purchased and installed. Stop locations are: SB Priest/FS Orchid; WB Ray/NS 54th; WB Ray/FS Priest; and EB Ray/FS 54th. This project has applied for a Federal Transit Administration (FTA) Competitive Projects Grant for a total amount of \$66,392. There is a 20% local match (\$13,278) and the federal amount we will receive is \$53,114. The grant selection committee has recommended approval of the grant application. The grant is expected to be approved by the Regional Council and the project entered into the State Transportation Improvement Program (STIP) and approved by the FTA in FY 2013-14. The grant will be awarded toward the end of FY 2013-14 or the beginning of FY 2014-15. The project is scheduled to be completed and be reimbursed \$53,114 all in FY 2014-15. Estimated Total Project Cost: **\$66,392** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$66,392	0	0	0	0	0	0	0	0	0	\$66,392
Total	\$66,392	0	\$66,392								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants (417)	\$53,114	0	0	0	0	0	0	0	0	0	\$53,114
LTAF (216)	\$13,278	0	0	0	0	0	0	0	0	0	\$13,278
Total	\$66,392	0	\$66,392								



City of Chandler
 2015-2024 Capital Improvement Program

Traffic Controller Upgrade **Streets/Traffic** Project # 6ST687

The City upgraded their traffic controller software in 2013 to Linux based software, operating on the existing controllers. While we have the full functionality of this newly acquired software, the controller hardware should be upgraded to ensure that we can take advantage of any future technological improvements. The City received a federal Congestion Mitigation and Air Quality (CMAQ) grant for FY 2014-15 to replace all 201 traffic controllers in the field. The grant amount is \$511,766, with a 5.7% City match of \$30,934, for a total project cost of \$542,700. This is a procurement only grant, and all installations will be undertaken by City crews.

Estimated Total Project Cost: **\$542,700** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$542,700	0	0	0	0	0	0	0	0	0	\$542,700
Total	\$542,700	0	\$542,700								

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants (417)	\$511,766	0	0	0	0	0	0	0	0	0	\$511,766
Streets G.O. Bonds (411)	\$30,934	0	0	0	0	0	0	0	0	0	\$30,934
Total	\$542,700	0	\$542,700								



City of Chandler
2015-2024 Capital Improvement Program

Flashing Yellow Arrows Installation **Streets/Traffic** Project # 6ST688

The City received a federal Congestion Mitigation and Air Quality (CMAQ) grant for FY 2015-16 to install flashing yellow arrows at all signalized intersections in the City that use left turn arrows (114 in total). Chandler began testing our first flashing yellow arrow in 2010, and we currently have 10 locations in place. Our studies have shown that flashing yellow arrows are both safer and provide more efficient traffic flow. Upon completion of the project, Chandler will be the first city in Arizona to utilize flashing yellow arrows citywide.

Estimated Total Project Cost: **\$671,560** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Construction	\$0	671,560	0	0	0	0	0	0	0	0	\$671,560
Total	\$0	671,560	0	\$671,560							

Funding Source	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Capital Grants (417)	\$0	633,281	0	0	0	0	0	0	0	0	\$633,281
Streets G.O. Bonds (411)	\$0	38,279	0	0	0	0	0	0	0	0	\$38,279
Total	\$0	671,560	0	\$671,560							



City of Chandler
2015-2024 Capital Improvement Program

4' Milling Head for Street Maintenance **Streets/Traffic** Project # 6ST689

The Streets Division is requesting a track type asphalt rotary cold plane milling machine (Roto-Mill) with an approximate four (4') foot rotary drum milling head and conveyor style material self-loading system (plus trailer). Currently the Streets asphalt crews are using a small skid-steer loader with attachment type cold plain rotary drum trimmer and 24" milling head. This style of asphalt cold plane trimmer is primarily used to trim close quarter area asphalt in conjunction with a full sized Roto-Mill machine. It is not meant for the type of milling production that we generally require on our slurry and micro seal curb edge leveling, asphalt edge milling repairs, full width lane milling, or significant road and alley rehabilitation work. A standard sized Roto-Mill is capable of higher production levels and lower down times due to having the proper equipment for the appropriate activity. With a recently upgraded asphalt-paving machine, Streets anticipates adding more and larger in-house road repair responsibilities to our City crews. This new mill machine can mill about 35sy in a minute, compared to the existing mill attachment on the skid steer loader that can do about 2.2sy/minute. The new machine mills the same area about 15 times faster and loads the milled material directly into a dump truck for disposal or reuse, which the existing mill machine cannot do, saving significant clean-up time. Using the existing mill machine on the skid steer to repair a 470sy pavement area takes about one and a half days; using the new mill machine the same project could be completed in about six hours. This is a significant increase in efficiency and production. In lieu of presently accepting this request to purchase a typical medium size rotary cold plane milling machine, the Streets Division will at minimum require an additional track type Skid-Steer loader with mini rotary cold trimming head to help bridge the demand of higher production levels (plus trailer). The associated cost of a Skid-Steer loader is \$95,000.

Estimated Total Project Cost: **\$350,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$350,000	0	0	0	0	0	0	0	0	0	\$350,000
Total	\$350,000	0	\$350,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$350,000	0	0	0	0	0	0	0	0	0	\$350,000
Total	\$350,000	0	\$350,000								



City of Chandler
 2015-2024 Capital Improvement Program

10-Wheel Dump Truck/ROW **Streets/Traffic** Project # 6ST690

Dump truck #99402 is a 6-wheel dump truck used by the ROW crew for transporting debris out of the retention basins/right of ways, and for towing trailers with heavy equipment to the job sites. Fleet Services has determined that the frame is bent and the truck should not be operated while loaded and towing a trailer with equipment at the same time; the main concern by staff and Fleet is the frame may crack. Dump truck #99402 needs to be right-sized to a larger 10-wheel dump truck with heavier load weight ratings, higher material capacities, and improved cooling and braking capabilities. Dump truck #99402 is undersized, underpowered, and unsafe for the task it is required to do. Typically, dump trucks are in the "low mileage" category in the Vehicle Replacement Program (VRP) so they are not funded by the VRP now or in the future. This vehicle was presented to the Fleet Committee and was recommended for replacement in FY 2014-15.

Estimated Total Project Cost: **\$170,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

<u>Category:</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
Equipment	\$170,000	0	0	0	0	0	0	0	0	0	\$170,000
Total	\$170,000	0	\$170,000								

<u>Funding Source</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>Total</u>
General Govt Capital Projects (401)	\$170,000	0	0	0	0	0	0	0	0	0	\$170,000
Total	\$170,000	0	\$170,000								



City of Chandler
2015-2024 Capital Improvement Program

Refurbish Vector Truck **Streets/Traffic** Project # 6ST691

A one-time increase of \$165,000 would help prolong the life of the vector equipment on this truck. Truck # 06434 is a 2006 Sterling Chassis with a Camel Vector mounted on the chassis, and has been in service since August 2006. The truck currently is in acceptable shape, with another 8-12 years of acceptable life; however, because of the considerable wear associated with the vector unit that was not originally anticipated, maintenance of the vector is necessary. The interior plumbing of the vector is rusting and flaking causing excess debris to continually clog the filter screens, causing excess wear and premature failure of the pumps. The debris collection tank is rusting with significant flaking. The cages around the interior ball floats break frequently, causing over-fill which could cause severe damage to the vacuum pump. The tank is made of 1/4" corten steel and had a five year warranty. It is near impossible to predict exactly when the tank will fail, however it's estimated that the tank will only last another 2-3 years. A new tank is made of exten steel and has a 10 year warranty which will last through the remaining life cycle of the truck. The 8" suction hose is worn through in a few locations and needs replacement. The 300' of sewer hose on the hose reel is seven years old. It has a life expectancy of about three years, and needs to be replaced. The pressurized plumbing, including the gate valves and pressure control valves, leak and require frequent maintenance/replacement. An ejector plate needs to be installed in the debris tank to allow the solids to be pushed to the rear of the truck, keeping the liquids at the front. This feature allow for re-circulation of the water, which can be filtered and re-used, instead of refilling from a hydrant. Note: A \$10,000 on-going request for maintenance funds will replace the 8" suction hose (\$7,000), the 300ft sewer hose (\$2,500), the debris collection tank (\$160,000), and some plumbing components (\$5,500). This vehicle was presented to the Fleet Committee and was recommended to refurbish.

Estimated Total Project Cost: **\$165,000** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Additional Services	\$165,000	0	0	0	0	0	0	0	0	0	\$165,000
Total	\$165,000	0	\$165,000								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
General Govt Capital Projects (401)	\$165,000	0	0	0	0	0	0	0	0	0	\$165,000
Total	\$165,000	0	\$165,000								

Operations and Maintenance Impact	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Ongoing Expenses	\$10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	\$100,000
Total	\$10,000	10,000	\$100,000								



City of Chandler
 2015-2024 Capital Improvement Program

Chandler Heights Road (McQueen Rd to Val Vista Dr) Streets/Traffic Project # 6ST692

Arterial street improvements utilizing impact fees are needed to provide for increasing traffic volumes. Improvements to Chandler Heights Road will consist of four traffic lanes, bike lanes, sidewalks, curbs and gutters, street lighting, turn lanes, traffic signals, storm drainage, landscaping, right of way acquisition, and utility relocation. This project will extend Chandler Heights Road improvements from McQueen Road to Gilbert Road.

Estimated Total Project Cost: **\$4,970,900** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Staff Charges	\$0	0	0	0	0	0	80,000	0	0	0	\$80,000
Land Acquisition	\$0	0	0	0	0	0	3,210,000	0	0	0	\$3,210,000
Design	\$0	0	0	0	0	0	1,120,600	0	0	0	\$1,120,600
Additional Services	\$0	0	0	0	0	0	560,300	0	0	0	\$560,300
Total	\$0	0	0	0	0	0	4,970,900	0	0	0	\$4,970,900

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Arterial Street Impact Fees (415)	\$0	0	0	0	0	0	4,374,392	0	0	0	\$4,374,392
Streets G.O. Bonds (411)	\$0	0	0	0	0	0	596,508	0	0	0	\$596,508
Total	\$0	0	0	0	0	0	4,970,900	0	0	0	\$4,970,900



City of Chandler
2015-2024 Capital Improvement Program

Transportation & Development Vehicles (Over \$100,000) Streets/Traffic Project # 6ST700

Vehicle #99400 is a Streets vehicle that is over 100K, scheduled for Vehicle Replacement Program (VRP) replacement in FY 2014-15. It has not been reviewed by Fleet Committee as the committee has not reviewed the FY 2014-15 vehicles. This CIP request will allow appropriation of \$136,700 in the event that the cost center AND the Fleet Committee recommends replacement as the year moves along. If it is NOT recommended for replacement or the cost center wants to defer, the appropriation will not be used.

Vehicle #20337 is a Traffic Engineering vehicle that is over 100K, scheduled for VRP replacement in FY 2014-15. It has not been reviewed by Fleet Committee as the committee has not reviewed the FY 2014-15 vehicles. This will allow appropriation of \$100,300 in the event that the cost center AND the Fleet Committee recommend replacement as the year moves along. If it is NOT recommended for replacement or the cost center wants to defer, the appropriation will not be used.

Vehicle #21600 is a Traffic Engineering vehicle that is over 100K, scheduled for VRP replacement in FY 2014-15. It has not been reviewed by Fleet Committee as the committee has not reviewed the FY 2014-15 vehicles. This will allow appropriation of \$100,300 in the event that the cost center AND the Fleet committee recommend replacement as the year moves along. If it is NOT recommended for replacement or the cost center wants to defer, the appropriation will not be used.

The above vehicles will be funded by the Vehicle Replacement Fund when approved by the Fleet Committee.

Estimated Total Project Cost: **\$337,300** Estimated total project cost includes prior spending, carryforward, and future appropriation.

Category:	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Equipment	\$337,300	0	0	0	0	0	0	0	0	0	\$337,300
Total	\$337,300	0	\$337,300								

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
Vehicle Replacement (404)	\$337,300	0	0	0	0	0	0	0	0	0	\$337,300
Total	\$337,300	0	\$337,300								





City of Chandler
2015-2024 Capital Improvement Program

Alphabetical Index of Projects with Page Numbers

Request Name	Prog#	Page	2014-15	2015-16	2016-17	2017-18	2018-19	2019-24	Total
10-Wheel Dump Truck/ROW	6ST690	180	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000
4' Milling Head for Street Maintenance	6ST689	179	350,000	-	-	-	-	-	350,000
Access Road (South Apron Access)	6AI660	55	-	-	-	-	213,000	2,509,900	2,722,900
Airport Guidance Sign Replacement	6AI369	48	782,000	-	-	-	-	-	782,000
Airport Security System Improvements	6AI662	56	125,500	-	-	-	-	-	125,500
Airport Terminal Apron Improvement	6AI354	47	-	-	-	-	-	1,122,500	1,122,500
Airport T-Share Facility	6AI658	54	1,163,500	602,000	641,500	-	-	-	2,407,000
Alma School Road/Chandler Boulevard Intersection	6ST316	163	-	6,531,000	-	-	-	-	6,531,000
APMS Pavement Improvements Runway	6AI720	67	43,640	-	-	-	-	-	43,640
APMS Pavement Improvements Taxiway Phase 2	6AI721	68	-	-	-	43,792	-	-	43,792
APMS Pavement Improvements Taxiway	6AI719	66	83,932	-	-	-	-	-	83,932
Aquatic Facility Safety Renovations	6PR047	76	500,000	700,000	500,000	500,000	500,000	2,500,000	5,200,000
Art Center Moving Stage Lights	6PR641	87	96,000	-	-	-	-	-	96,000
Bike Lane Safety Improvements	6ST685	175	110,000	321,290	-	-	-	-	431,290
Chandler Heights Road (Arizona Ave to McQueen Rd)	6ST608	167	1,667,625	-	-	-	-	9,446,200	11,113,825
Chandler Heights Road (McQueen Rd to Val Vista Dr)	6ST692	182	-	-	-	-	-	4,970,900	4,970,900
Chandler Water Reclamation Facility	6WW661	136	-	113,820,000	-	-	-	-	113,820,000
Citrus Vista Park Site	6PR639	85	1,932,000	-	-	-	-	-	1,932,000
Collection System Facility Improvements	6WW196	131	535,000	335,000	535,000	335,000	535,000	2,075,000	4,350,000
Commercial Reinvestment Program	6GG620	33	-	500,000	500,000	500,000	500,000	2,500,000	4,500,000
Cooper Road (Queen Creek Rd to Riggs Rd)	6ST675	172	2,078,000	-	-	-	4,042,000	1,980,000	8,100,000
Downtown Campus Improvements	6PR637	84	70,000	-	-	-	-	-	70,000
Downtown Redevelopment Programs	6GG619	34	502,000	1,002,000	1,002,000	1,002,000	1,002,000	5,010,000	9,520,000
Downtown Storm Drain Improvements	6ST661	171	-	-	300,000	2,500,000	2,500,000	-	5,300,000
Effluent Reuse - Storage & Recovery Wells	6WW189	128	-	2,625,000	6,785,000	-	-	1,570,000	10,980,000
Effluent Reuse - Transmission Mains	6WW192	130	2,615,000	-	925,000	2,355,000	-	-	5,895,000
Enhanced Communication Speed for Remote Sites	6IT088	32	681,500	129,450	200,000	-	-	-	1,010,950
Existing City Building Renovations/Repairs	6GG628	27	973,000	750,000	750,000	750,000	750,000	3,750,000	7,723,000
Existing Community Park Improvements/Repairs	6PR530	81	855,000	700,000	500,000	1,000,000	1,000,000	4,250,000	8,305,000
Existing Neighborhood Park Improvements/Repairs	6PR049	77	590,000	700,000	500,000	600,000	600,000	3,000,000	5,990,000
Existing Recreation Center Improvements/Repairs	6PR630	82	250,000	350,000	250,000	250,000	250,000	1,250,000	2,600,000
Fire Station #1 Conversion	6GG609	26	75,000	625,740	-	-	-	-	700,740



City of Chandler
2015-2024 Capital Improvement Program

Alphabetical Index of Projects with Page Numbers (cont.)

Request Name	Prog#	Page	2014-15	2015-16	2016-17	2017-18	2018-19	2019-24	Total
Fire Station Security Gates	6GG644	28	165,600	-	-	-	-	-	165,600
Fire Vehicle Replacement Over \$100,000	6FI641	96	500,000	-	-	-	-	-	500,000
Fitness Equipment	6PR634	83	64,000	60,000	60,000	-	-	-	184,000
Flashing Yellow Arrows Installation	6ST688	178	-	671,560	-	-	-	-	671,560
Fleet Bays Cooling System	6GG646	29	385,000	-	-	-	-	-	385,000
General Plan Update	6ST681	174	250,000	-	-	-	-	-	250,000
Homestead North Park Site	6PR389	79	-	-	-	1,581,460	-	-	1,581,460
Homestead South Park Site	6PR390	80	-	-	-	-	2,315,000	-	2,315,000
Information Technology Oversight Committee Program	6GG617	30	625,000	500,000	500,000	500,000	500,000	2,500,000	5,125,000
Intel Water Purchases	6WA670	119	8,000,000	-	-	-	-	-	8,000,000
Joint Water Treatment Plant	6WA334	116	3,901,578	37,755,059	-	-	-	-	41,656,637
Landscape Repairs	6ST014	157	100,000	100,000	110,000	145,000	145,000	800,000	1,400,000
Layton Lakes Park Site	6PR640	86	-	-	1,446,000	-	-	-	1,446,000
Lone Butte Wastewater Facility Replacement	6WW641	135	-	-	-	-	-	10,920,000	10,920,000
Main Replacements	6WA023	110	2,100,000	260,000	2,100,000	260,000	2,100,000	4,980,000	11,800,000
McQueen Road (Queen Creek Rd to Riggs Rd)	6ST478	165	4,760,000	-	-	-	-	-	4,760,000
Miscellaneous Storm Drain Improvements	6ST291	160	-	50,000	50,000	50,000	75,000	425,000	650,000
Museum	6PR384	78	-	277,750	-	2,777,500	-	-	3,055,250
New Traffic Signals	6ST322	164	160,000	160,000	160,000	400,000	400,000	2,000,000	3,280,000
North Aircraft Apron Phase 2	6AI653	49	1,089,500	-	-	3,184,000	-	-	4,273,500
Ocotillo Road (Cooper Rd to 148th St)	6ST641	169	-	1,153,500	-	-	1,589,000	1,280,000	4,022,500
Police Driver Training Facility	6PD035	103	-	-	-	5,179,078	-	-	5,179,078
Queen Creek Road (McQueen Rd to Gilbert Rd)	6ST548	166	1,819,000	-	11,380,000	2,022,000	-	-	15,221,000
Radio System Narrow Band Conversion	6PD607	104	440,090	440,090	440,090	440,090	-	-	1,760,360
Reclaimed Water Conversions	6WW671	137	250,000	-	-	-	-	-	250,000
Refurbish Vector Truck	6ST691	181	165,000	-	-	-	-	-	165,000
Rehab North Terminal Apron Phase 1	6AI716	63	-	900,000	-	-	-	-	900,000
Rehab North Terminal Apron Phase 2	6AI717	64	-	-	1,394,000	-	-	-	1,394,000
Replace Desktop Phones to Voice Over Internet Protocol	6IT082	31	75,000	100,000	-	-	-	-	175,000
Replace Fuel Tank	6AI718	65	300,000	-	-	-	-	-	300,000
Replace Tower Transceiver Radios	6AI702	57	-	627,500	-	-	-	-	627,500
Rescue Vehicles	6FI642	97	250,000	-	-	-	-	-	250,000



City of Chandler
2015-2024 Capital Improvement Program

Alphabetical Index of Projects with Page Numbers (cont.)

Request Name	Prog#	Page	2014-15	2015-16	2016-17	2017-18	2018-19	2019-24	Total
Route 56 Bus Shelters	6ST686	176	66,392	-	-	-	-	-	66,392
Safety Area Improvements	6AI710	58	-	-	-	-	-	2,532,500	2,532,500
San Marcos Commons Phase II	6GG623	35	5,000,000	-	-	-	-	-	5,000,000
Sewer Assessment and Rehabilitation	6WW266	132	1,965,000	1,965,000	1,965,000	1,965,000	1,965,000	20,585,000	30,410,000
Solid Waste Services Facility Improvements	6SW100	143	250,000	250,000	-	-	-	500,000	1,000,000
South Apron Construction Phase I	6AI654	50	-	-	-	-	371,000	3,491,000	3,862,000
South Apron Construction Phase II	6AI655	51	-	-	-	-	-	4,837,500	4,837,500
South Apron Construction Phase III	6AI656	52	-	-	-	-	-	3,399,500	3,399,500
South Apron Construction Phase IV	6AI657	53	-	-	-	-	-	639,500	639,500
South Arizona Ave Corridor Improvements	6GG613	155	875,000	-	-	-	-	-	875,000
South Washington Street Design	6GG639	36	200,000	-	-	-	-	-	200,000
Southeast Fire Station	6FI611	93	-	-	-	-	-	7,405,952	7,405,952
Stormwater Management Area 2	6AI713	61	-	157,500	1,931,000	-	-	-	2,088,500
Stormwater Management Areas 1 & 3	6AI712	60	1,960,000	-	-	-	-	-	1,960,000
Stormwater Management Areas 4 & 7	6AI714	62	-	-	304,000	-	-	-	304,000
Stormwater Management FAA Environmental Assessment	6AI711	59	77,000	-	-	-	-	-	77,000
Stormwater Management Master Plan	6ST011	156	-	236,000	-	-	-	259,000	495,000
Street Construction - Various Improvements	6ST303	161	3,447,000	1,926,000	600,000	800,000	800,000	4,000,000	11,573,000
Street Repaving	6ST248	159	10,446,000	10,650,000	10,650,000	10,991,000	10,995,000	55,976,300	109,708,300
Streetlight Additions and Repairs	6ST051	158	300,000	300,000	300,000	356,000	370,000	1,950,000	3,576,000
Taxiway B Construction	6AI238	46	-	-	279,000	429,500	2,865,500	2,439,000	6,013,000
Traffic Controller Upgrade	6ST687	177	542,700	-	-	-	-	-	542,700
Training Center Expansion (Phase 2)	6FI634	95	-	-	-	5,333,800	-	-	5,333,800
Transportation & Dev Vehicles Over \$100,000	6ST700	183	337,300	-	-	-	-	-	337,300
Vehicle Replacement Program (Over \$100,000)	6GG632	37	-	500,000	-	1,480,300	600,300	3,797,150	6,377,750
Wall Repairs	6ST652	170	100,000	100,000	100,000	225,000	225,000	1,125,000	1,875,000
Wastewater Master Plan Update	6WW021	126	600,000	-	-	-	-	-	600,000
Wastewater System Upgrades w/Street Projects	6WW332	133	465,000	-	530,000	335,000	100,000	2,050,000	3,480,000
Water Master Plan Update	6WA029	111	300,000	-	-	-	-	-	300,000
Water Production Facility Improvements	6WA230	115	2,095,000	500,000	2,615,000	3,265,000	2,615,000	8,065,000	19,155,000
Water Purchases	6WA672	120	-	5,000,000	5,000,000	5,000,000	50,000,000	35,000,000	100,000,000
Water Reclamation Facility Expansion	6WW022	127	-	-	-	-	9,507,000	125,955,636	135,462,636



City of Chandler
 2015-2024 Capital Improvement Program

Alphabetical Index of Projects with Page Numbers (cont.)

Request Name	Prog#	Page	2014-15	2015-16	2016-17	2017-18	2018-19	2019-24	Total
Water Reclamation Facility Improvements	6WW621	134	12,760,000	1,960,000	1,960,000	3,260,000	1,960,000	10,840,000	32,740,000
Water Rights Settlement	6WA638	117	11,752,462	-	-	-	-	-	11,752,462
Water System Upgrades w/Street Projects	6WA110	113	510,000	-	560,000	270,000	30,000	1,330,000	2,700,000
Water Treatment Plant Improvements	6WA210	114	1,010,000	1,010,000	1,010,000	1,010,000	1,010,000	7,070,000	12,120,000
Well Construction/Rehabilitation	6WA034	112	3,270,000	350,000	3,192,000	3,400,000	2,230,000	16,870,000	29,312,000
Well Remediation - Arsenic Systems	6WA640	118	-	-	260,000	-	-	-	260,000
Western Canal Crossing Improvements at UPRR	6ST678	173	-	375,526	-	-	-	-	375,526
Grand Total			99,977,319	198,026,965	62,284,590	64,495,520	104,659,800	388,957,538	918,401,732

Phone (480) 782-2252
www.chandleraz.gov/budget

Mailing Address
Mail Stop 609
P.O. Box 4008
Chandler, Arizona 85244-4008

Budget Division
Third Floor
175 S Arizona Avenue
Chandler, Arizona 85225



Chandler ♦ Arizona

Where Values Make The Difference

Mayor Jay Tibshraeny & City Council