



Capital Improvements Program | July 1, 2021 – June 30, 2026



Tempe Mayor & City Council



Corey D. Woods
Mayor



Randy Keating
Vice Mayor



Jennifer Adams
Councilmember



Robin Arredondo-Savage
Councilmember



Doreen Garlid
Councilmember



Lauren Kuby
Councilmember



Joel Navarro
Councilmember





Capital Improvements Program Budget Fiscal Year 2021/22



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Capital Improvements Program Overview

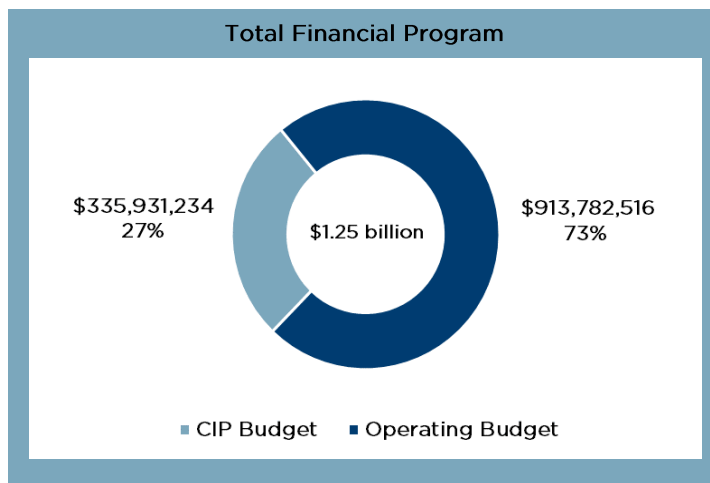
Pursuant to the Tempe City Charter, the City Manager prepares and submits a Capital Improvements Program (CIP) annually to the Council. The CIP is a five-year financial plan for the acquisition, construction, expansion, or rehabilitation of infrastructure and capital assets. Capital projects typically have one or more of the following characteristics: (1) expenditures which take place over two or more years, requiring continuing appropriations beyond a single fiscal year; (2) funding with debt because of significant costs to be shared by current and future beneficiaries; (3) creation or revitalization of a fixed asset with a minimum useful life of five years; (4) systematic asset acquisition over an extended period of time; and (5) scheduled replacement or maintenance of specific elements of physical assets. The following are some examples of items that are included within the definition of capital expenditures:

- Construction of new facilities
- Remodeling, expansion, and maintenance of existing facilities
- Purchase, improvement, or development of land
- Operating equipment and machinery for existing and new facilities
- Planning and engineering costs related to specific capital improvements
- Street resurfacing, renovation, or reconstruction
- Emergency vehicles
- Information Technology infrastructure

Although capital projects are scheduled throughout the five-year plan, only those projects during the first year of the plan are adopted as part of the City's annual budget. The first year of the CIP constitutes the capital budget. The remaining years within the CIP serve as a guide for future planning and are subject to annual review and modification in subsequent years.

As shown in the chart, the City of Tempe's total financial program for fiscal year (FY) 2021/22 totals \$1.25 billion and of this amount, \$335.9 million is for projects included in the capital budget.

The capital budget consists of the following program areas: Enterprise, Special Purpose, General Purpose, and Transportation projects. The Enterprise program, as shown in the chart, totals \$96.4 million and includes water, wastewater, golf and solid waste projects accounting for 29% of the total capital budget in FY 2021/22. The Special Purpose program includes arts and cultural and transit projects, totals \$48.9 million, or 15% of funded projects in FY 2021/22. The General Purpose program includes police protection, fire protection, storm drains, parks and general governmental projects and totals \$139.4 million or 42% of the capital budget. The Transportation program includes lighting and traffic signal projects, and street and sidewalk renovation and construction projects. Transportation program funding totals \$51.0 million or 15% of the capital budget.



CIP Summary		
Capital Program	FY 2020/21 Budget	FY 2021/22 Budget
Enterprise		
Water	65,190,653	60,215,076
Wastewater	28,321,451	34,848,984
Golf	406,000	818,863
Solid Waste	615,000	537,030
Total Enterprise	94,533,104	96,419,953
Special Purpose		
Arts & Cultural	-	15,164,690
Transit	36,581,722	33,829,816
Total Special Purpose	36,581,722	48,994,506
General Purpose		
Police	5,769,026	4,521,406
Fire	6,650,135	18,132,004
Storm Drains	1,339,034	1,977,575
Park Improvements	27,537,208	32,037,531
General Governmental	19,226,041	82,762,640
Total General Purpose	60,521,444	139,431,156
Transportation		
Transportation and R.O.W.	35,720,194	41,549,001
Traffic Signals/Street Lighting	8,007,229	9,536,618
Total Transportation	43,727,423	51,085,619
Total - All	235,363,693	335,931,234

Resolution of Adoption

RESOLUTION NO. R2021.78

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF TEMPE, ARIZONA, TO ADOPT A FIVE- YEAR CAPITAL IMPROVEMENTS PROGRAM FOR THE PERIOD JULY 1, 2021 THROUGH JUNE 30, 2026.

WHEREAS, Section 5.06 of the Tempe City Charter requires the City Manager to prepare and submit to the City Council a five-year Capital Improvements Program, and

WHEREAS, the City Manager has prepared and submitted said five-year Capital Improvements Program to the City Council for its consideration and adoption, and

WHEREAS, the City Council has duly considered the contents of said Capital Improvements Program and finds it to be in the best interest of the City of Tempe;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TEMPE, ARIZONA, as follows:

1. That the program summary entitled "Fiscal Years 2021/22 Through 2025/26 Capital Improvements Program Summary" attached as Attachment A, is hereby approved and adopted to use in the scheduling and development of capital programs for the ensuing five-year period.

PASSED AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF TEMPE, ARIZONA, this 10th day of June, 2021.



Corey D. Woods, Mayor

ATTEST:



Carla R. Reece, City Clerk

APPROVED AS TO FORM:



Judith R. Baumann, City Attorney

FY 2021/22 CIP Process

The FY 2021/22 CIP planning process was launched in the fall of 2020 with City department heads, capital project managers, and Municipal Budget Office (MBO) meeting to review planning process, the capital budget calendar and estimated availability of funds. MBO staff provided guidance regarding the information CIP project managers should provide to substantiate requests for FY 2021/22 project funding. This included a detailed review of the information required to complete CIP project request forms. Continued emphasis was placed on the importance of providing accurate project completion timelines and validating ongoing project costs with detailed schedules for the replacement and maintenance of City assets.

After all project submissions were received, a series of follow-up meetings were held over the ensuing months with department directors and other key department representatives to discuss changes to previously approved projects and to review new project requests. Over the same period of time, MBO staff estimated the City's capacity to enter into additional General Obligation (G.O.) debt to fund capital projects over the upcoming five-year period of the CIP and worked to identify all other potential project funding sources. Unlike capital project programs such as transit and water/wastewater which have dedicated funding sources; general purpose project program areas are eligible for G.O. bond funding as approved by Tempe voters.

Since total costs associated with projects submitted with G.O. bonds as the proposed funding source exceeded the amount of G.O. bonds the City can afford to issue over the next five years, those projects were prioritized and ranked according to established criteria to identify the most critical capital requirements. Specifically, projects are first evaluated based on the degree to which they contributed to the preservation of City assets, the degree to which they addressed public health and safety concerns, and the degree that they contribute toward advancing a Council adopted strategic priority. The primary prioritization scoring is as follows:

Primary Prioritization Scoring

Asset Preservation				
1	2	3	4	5
creates a new asset	expands the size or services of an existing asset	provides normal capital maintenance that extends the life of an asset or reduces future costs	rehabilitates or replaces an asset that has reached its estimated useful life or is performing below standard	rehabilitates or replaces an asset that is no longer functional
Public Health & Safety				
1	2	3	4	5
increases standards of service with no positive impact on public health and safety	contributes to improved public health with no positive impact on safety	indirectly contributes to improved public health and safety, but does not address immediate public health and safety concerns	enhances the City's ability to address health and safety issues that have a wide-reaching public impact	directly and immediately impacts saving or protecting lives, correcting hazardous conditions, or addressing potentially life-threatening situations
Council Adopted Strategic Priority				
1	2	3	4	5
project addresses a need without alignment with a Council adopted strategic priority	project aligns with a Council adopted strategic priority	project aligns with a Council adopted strategic priority and contributes to the achievement of a performance measure	project aligns with a Council adopted strategic priority and helps to advance the achievement of a performance measure	project aligns with a Council adopted strategic priority and addresses a Council directive to accelerate the achievement of a performance measure

Projects are further evaluated based on a secondary set of criteria. This secondary criteria addresses: level of public use of the asset, contractual or legal obligations, impact of deferring the project, amount of grant funding, operating budget impact, and prior approval of the project.

It is important to note transit and water/wastewater projects were also evaluated for necessity based on adherence to the City's asset management practices, and the degree to which they addressed public health and safety concerns; however, they were not subjected to a rigorous prioritization process because total project costs fell within the funding levels available to the respective program areas. This is in large part by design since funding availability for these areas is measured by MBO and transit and water/wastewater fund managers who work closely with the project managers.

During City Council Work Study Sessions held between February and April 2021, staff presented, for Council's consideration, all capital projects originally submitted by departments, as well as staff's recommended prioritization of G.O. bond funded projects. Also, during these sessions, staff discussed the financial and legal funding variables used to determine the total potential monetary size of the next five-year CIP (discussed further below under Capital Program Financing).

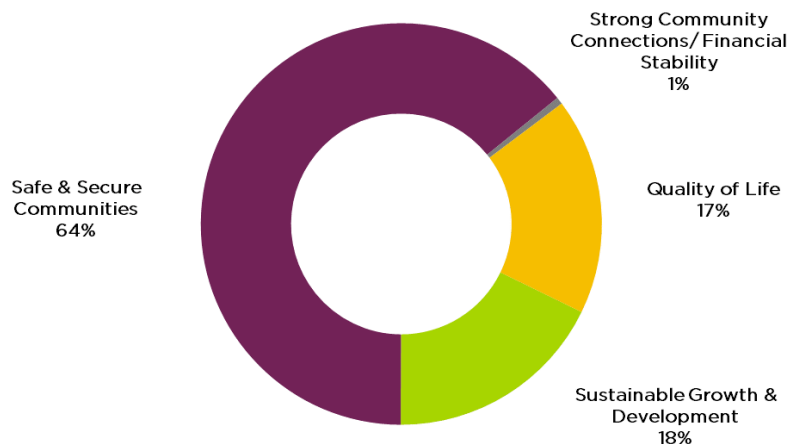
Capital Budget Strategic Priorities

The City Council strategic priorities were identified after a series of open meetings to discuss, identify, and prioritize their collective vision for the future of Tempe. The resulting five strategic priorities listed below provided the framework that guide the development of the capital budget and operational strategies for FY 2021/22.

The following represent the priorities:



The pie chart displays how the CIP expenditures included in the adopted FY 2021/22 budget are aligned with the City Council's strategic priorities.



Majority of projects within the 2021/22 police, fire, arts and cultural, parks, transit, and transportation (streets) program directly support the City's commitment to a safe and secure community through capital spending on public safety and infrastructure projects. These projects approximate \$215.4 million, or 64% of the capital budget.

Approximately \$58.6 million, or 17%, of the capital budget, enhances the quality of life in Tempe through investments in neighborhoods, parks, the arts, human services, and city amenities. The City's priority to implement sustainable growth and development strategies is evident by the approximately 18%, or \$59.8 million, of the 2021/22 capital budget that is dedicated to projects that address this priority. These projects implement sustainable growth and development strategies to meet future needs through innovative technologies and projects that create a more sustainable community.

The remaining 1%, or \$1.9 million, of the 2021/22 capital budget enhances strong community connections and financial stability and vitality in Tempe through investments in technology, customer service enhancements and projects that address long-term financial stability.

City Council Strategic Priorities and Capital Budget Development

The City Manager's initiative to formalize the City's strategic planning process results in resources allocated based on measurable performance measures aligned to the City Council's Strategic Priorities. In December 2020, input was elicited from the City Council on those performance measures that should be accelerated during FY 2021/22. This input enables the City Manager to prioritize additional funding or to shift funding to accelerate the target date for meeting the prioritized performance measures. This includes performance measures that are directly linked to the capital budget program.

**Fiscal Years 2021/22 through 2025/26
Capital Improvements Program Summary**

Program	Capital Budget Re-appropriations	New 2021-22 Capital Budget Appropriations	Total 2021-22 Capital Budget Appropriations	Additional Projected Needs				Total 5-Year Program
				2022-23	2023-24	2024-25	2025-26	
Enterprise Program								
Golf	372,495	446,368	818,863	55,419	255,419	252,000	760,800	2,142,501
Solid Waste	100,000	437,030	537,030	3,103,735	148,268	70,129	87,229	3,946,391
Wastewater	14,261,516	20,587,468	34,848,984	26,131,634	39,891,968	39,752,587	20,217,456	160,842,629
Water	23,047,076	37,168,000	60,215,076	59,377,439	51,891,439	38,572,439	72,957,439	283,013,832
Total Enterprise	37,781,087	58,638,866	96,419,953	88,668,227	92,187,094	78,647,155	94,022,924	449,945,353
Special Purpose Program								
Arts & Cultural	4,336,380	10,828,310	15,164,690	2,224,590	1,286,000	1,499,500	1,746,000	21,920,780
Transit	21,923,523	11,906,293	33,829,816	6,960,557	9,917,528	4,450,000	4,450,000	59,607,901
Total Special Purpose	26,259,903	22,734,603	48,994,506	9,185,147	11,203,528	5,949,500	6,196,000	81,528,681
General Purpose Program								
Fire Protection	6,045,004	12,087,000	18,132,004	3,518,000	2,915,000	3,604,000	11,700,000	39,869,004
General Governmental	9,170,939	73,591,701	82,762,640	14,178,150	16,522,875	19,195,075	44,905,675	177,564,415
Park Improvements	17,782,487	14,255,044	32,037,531	20,138,440	9,522,935	5,708,862	34,790,662	102,198,430
Police Protection	1,888,595	2,632,811	4,521,406	9,726,210	6,516,875	10,322,687	25,624,247	56,711,425
Storm Drains	623,235	1,354,340	1,977,575	642,000	2,061,770	6,959,000	366,900	12,007,245
Total General Purpose	35,510,260	103,920,896	139,431,156	48,202,800	37,539,455	45,789,624	117,387,484	388,350,519
Transportation								
Traffic Signals/Street Lighting	4,151,930	5,384,688	9,536,618	2,528,873	6,052,473	6,551,723	1,104,473	25,774,160
Transportation and R.O.W.	22,629,001	18,920,000	41,549,001	18,230,000	26,399,001	21,022,500	25,249,000	132,449,502
Total Transportation	26,780,931	24,304,688	51,085,619	20,758,873	32,451,474	27,574,223	26,353,473	158,223,662
TOTAL PROGRAM	126,332,181	209,599,053	335,931,234	166,815,047	173,381,551	157,960,502	243,959,881	1,078,048,215

**Fiscal Years 2021/22 through 2025/26
Capital Improvements Program Source of Funds Summary**

Program	Capital Budget Re-appropriations	New 2021-22 Capital Budget Appropriations	Total 2021-22 Capital Budget Appropriations	Additional Projected Needs				Total 5-Year Program
				2022-23	2023-24	2024-25	2025-26	
Enterprise Supported								
Capital Projects Fund Balance	3,117,758	-	3,117,758	-	-	-	-	3,117,758
Cash - America Relief Plan	-	-	-	-	-	-	436,000	436,000
Development Fees	2,487,949	5,045,000	7,532,949	5,524,439	18,504,439	18,212,327	3,679,439	53,453,593
General Obligation Bonds	372,495	446,368	818,863	55,419	255,419	252,000	324,800	1,706,501
Solid Waste Bonds	-	-	-	3,000,000	-	-	-	3,000,000
Solid Waste Fund	100,000	437,030	537,030	103,735	148,268	70,129	87,229	946,391
Water / Wastewater Bonds	27,764,311	45,863,468	73,627,779	73,262,634	69,198,968	55,721,699	84,665,456	356,476,536
Water / Wastewater Fund	3,938,574	6,847,000	10,785,574	6,722,000	4,080,000	4,391,000	4,830,000	30,808,574
Total Enterprise Supported	37,781,087	58,638,866	96,419,953	88,668,227	92,187,094	78,647,155	94,022,924	449,945,353
Special Purpose								
Arts & Cultural Fund	3,598,058	2,002,500	5,600,558	1,474,590	536,000	749,500	996,000	9,356,648
Capital Projects Fund Balance	-	500,000	500,000	-	-	-	-	500,000
Development Impact Fees	-	-	-	336,754	300,000	300,000	300,000	1,236,754
Excise Bonds	-	7,575,810	7,575,810	-	-	-	-	7,575,810
Federal Grants	-	7,867,011	7,867,011	2,315,065	4,568,098	-	-	14,750,174
Lease Agreement - TBD	-	-	TBD	TBD	TBD	TBD	TBD	TBD
Municipal Arts Fund	738,322	750,000	1,488,322	750,000	750,000	750,000	750,000	4,488,322
Transit Tax	21,923,523	4,039,282	25,962,805	4,308,738	5,049,430	4,150,000	4,150,000	43,620,973
Total Special Purpose	26,259,903	22,734,603	48,994,506	9,185,147	11,203,528	5,949,500	6,196,000	81,528,681
General Purpose								
Capital Projects Fund Balance	6,425,327	1,750,000	8,175,327	-	-	-	-	8,175,327
Cash - America Relief Plan	-	2,164,226	2,164,226	1,668,162	1,668,162	1,668,162	33,218,162	40,386,874
City of Scottsdale	-	-	-	-	430,500	1,449,500	-	1,880,000
Contingency - Cash/Grants/Other	-	24,500,000	24,500,000	-	-	-	-	24,500,000
Contribution from Angels	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
County Flood Control District	40,670	500,000	540,670	58,000	450,385	3,760,000	33,450	4,842,505
Development Impact Fees	747,130	500,000	1,247,130	1,700,000	750,000	2,000,000	6,000,000	11,697,130
Diablo Stadium Revenue	-	47,500	47,500	47,500	47,500	47,500	47,500	237,500
Emergency Medical Transportation Fund	700,000	-	700,000	-	1,400,000	-	-	2,100,000
Federal Funding	-	26,000,000	26,000,000	-	-	-	-	26,000,000
General Fund Assigned Funds	10,600,000	327,020	10,927,020	-	-	-	-	10,927,020
General Fund Cash Reserve - CIP	-	-	-	-	-	103,200	-	103,200
General Obligation Bonds	16,932,133	47,855,130	64,787,263	43,796,881	31,899,686	35,616,178	77,844,569	253,944,577
Rental Income	-	-	-	750,000	750,000	750,000	-	2,250,000
Solid Waste Fund	20,000	41,449	61,449	42,215	43,009	43,827	44,668	235,168
Transit Tax	-	96,600	96,600	-	-	-	96,600	193,200
Water / Wastewater Fund	45,000	138,971	183,971	140,042	100,213	351,257	102,535	878,018
Total General Purpose	35,510,260	103,920,896	139,431,156	48,202,800	37,539,455	45,789,624	117,387,484	388,350,519
Transportation								
ADOT	802,107	1,223,000	2,025,107	-	-	-	-	2,025,107
ASU Participation	-	-	-	-	-	-	3,177,832	3,177,832
Cash - America Relief Plan	-	520,500	520,500	1,000,000	2,550,000	550,000	500,000	5,120,500
Contingency - Cash/Grants/Other	-	1,000,000	1,000,000	-	-	-	-	1,000,000
Developer Assistance/Contribution	64,427	450,000	514,427	-	-	-	-	514,427
Development Impact Fees	390,000	325,000	715,000	-	-	-	1,930,336	2,645,336
Federal Grants	861,973	833,084	1,695,057	1,898,258	4,450,000	6,100,000	-	14,143,315
General Obligation Bonds	18,770,456	18,666,104	37,436,560	15,920,873	20,471,474	17,088,973	17,245,305	108,163,185
Highway User Revenue Fund	5,891,968	1,160,000	7,051,968	1,825,000	4,593,000	3,835,250	3,500,000	20,805,218
Solid Waste Fund	-	127,000	127,000	114,742	-	-	-	241,742
Transit Tax	-	-	-	-	387,000	-	-	387,000
Total Transportation	26,780,931	24,304,688	51,085,619	20,758,873	32,451,474	27,574,223	26,353,473	158,223,662
TOTAL PROGRAM	126,332,181	209,599,053	335,931,234	166,815,047	173,381,551	157,960,502	243,959,881	1,078,048,215

CIP Impact on the Operating Budget

Although the City of Tempe prepares the capital budget separate from the operating budget, the two budgets are linked. These links include ongoing operating, maintenance and repair costs associated with new or renovated facilities and infrastructure. Occasionally, CIP projects also necessitate the addition of new personnel required to staff or maintain new buildings or outdoor recreational areas. On the other hand, CIP projects may produce new revenue streams in the form of fees paid for the use of new or expanded facilities or they may produce operational savings from technology enhancements that produce fuel savings or by automating manual processes thus requiring less employee resources.

The new FY 2021/22 operating costs shown below are incorporated in the City's adopted operating budget. In addition to current year operating budget impacts, future operating costs associated with current and planned projects are identified in the capital budget process to aid in long-range planning. Since the City Council only formally adopts operating and capital budgets on an annual basis, the 'out-year' impacts represent a forecast based on the current scope of the project and inflation assumptions. As such, they will be subject to revision in future years. The table below shows the estimated new recurring operating budget impacts associated with projects included in the adopted five-year CIP.

New Operating Budget Impacts: FY 2021/22 to FY 2025/26							
Capital Projects by Fund	Cost Category	Recurring or One-time	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26
General Fund							
9-1-1/Radio Recording Equipment Refresh	Supplies & Services	Recurring	-	-	-	45,000	45,000
Citizen/Customer Relationship Management (CRM) System	Supplies & Services	Recurring	-	150,000	150,000	-	-
City Regional Radio System Maintenance and Replacement	Supplies & Services	Recurring	160,000	160,000	160,000	160,000	160,000
Clark Park Improvements	Supplies & Services	Recurring	-	-	8,756	8,756	8,756
Clark Park Pool & Amenities	Personnel Services	Recurring	-	-	733,209	733,209	733,209
Clark Park Pool & Amenities	Supplies & Services	Recurring	-	-	219,878	219,878	219,878
Clark Park Pool & Amenities	Capital Outlay	One-Time	-	-	41,400	-	-
Creation/Acquisition of Non-Congregate Shelter	Personnel Services	Recurring	-	-	-	435,728	435,728
Creation/Acquisition of Non-Congregate Shelter	Supplies & Services	Recurring	-	-	-	850,000	850,000
Cybersecurity & Regulatory Compliance Program	Supplies & Services	Recurring	228,000	248,000	248,000	248,000	248,000
Enterprise Asset Management	Supplies & Services	Recurring	-	38,000	38,000	38,000	38,000
Enterprise Document Management	Supplies & Services	Recurring	42,210	42,210	42,210	42,210	42,210
Existing City Building Asset Mgt Program-Replacements/Repairs	Supplies & Services	Recurring	30,000	30,000	30,000	30,000	30,000
Family Advocacy Center	Supplies & Services	Recurring	105,000	210,000	210,000	210,000	210,000
Family Advocacy Center	Capital Outlay	Recurring	33,250	66,500	66,500	66,500	66,500
Historical Properties Building Maintenance	Supplies & Services	Recurring	20,000	20,000	20,000	20,000	20,000
Incident Command Vehicle Replacement	Supplies & Services	Recurring	-	3,000	3,000	3,000	3,000
Library Check Out and Sorter System	Supplies & Services	Recurring	-	-	-	1,788	1,788
Library Landscape & Irrigation Implementation	Supplies & Services	Recurring	51,133	61,133	61,133	61,133	61,133
Park Drainage Infrastructure	Contracted Services	Recurring	3,200	3,200	3,200	3,200	3,200
Park Irrigation Systems	Supplies & Services	Recurring	4,000	6,000	8,000	10,000	12,000
Park Playground Infrastructure & Equipment Replacement &	Supplies & Services	Recurring	10,143	35,950	42,712	46,093	49,474
Park Recreational Value	Supplies & Services	Recurring	7,884	17,082	23,652	24,966	24,966

City of Tempe Fiscal Year 2021/22 Capital Improvements Program

New Operating Budget Impacts: FY 2021/22 to FY 2025/26 (continued)							
Capital Projects by Fund	Cost Category	Recurring or One-time	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26
General Fund							
Park Restroom Renovations/Replacement	Supplies & Services	Recurring	-	3,973	3,973	3,973	9,423
Park Urban Forest	Supplies & Services	Recurring	30,400	50,880	74,560	96,560	116,160
PeopleSoft Replacement	Supplies & Services	Recurring	-	-	-	150,000	150,000
Public Internet Technology	Supplies & Services	Recurring	7,800	7,800	15,600	15,600	23,400
ROW Landscape Replacement & Revitalization	Supplies & Services	Recurring	-	-	100,000	100,000	100,000
Team Technology Refresh	Supplies & Services	Recurring	60,000	60,000	60,000	60,000	60,000
Wastewater Analytics Program Infrastructure	Supplies & Services	One-Time	500,000	-	-	-	-
General Fund Total			1,293,020	1,213,728	2,363,783	3,683,594	3,721,825
Arts & Cultural Fund							
Tempe Municipal Arts Program	Personnel	Recurring	162,580	162,580	162,580	162,580	162,580
Arts & Cultural Fund Total			162,580	162,580	162,580	162,580	162,580
Transportation Fund							
Maple Ash, Wilson Art and Garden and Mitchell Park Traffic Calming	Supplies & Services	Recurring	4,000	4,000	4,500	4,500	5,000
Signal Equipment Upgrade - I-10/Broadway Curve Construction Impact	Supplies & Services	Recurring	-	-	-	25,000	25,000
Transportation Fund Total			4,000	4,000	4,500	29,500	30,000
Water/Wastewater Fund							
Water Reclamation Facilities Upgrades and Improvements	Personnel Services	Recurring	-	-	84,056	168,109	1,120,729
Water Reclamation Facilities Upgrades and Improvements	Supplies & Services	Recurring	-	-	41,250	457,500	3,150,000
Water/Wastewater Fund Total			-	-	125,306	625,609	4,270,729
Total			\$1,459,600	\$1,380,308	\$2,656,169	\$4,501,283	\$8,185,134

CIP – Significant Capital Expenditures - Recurring and Non-recurring

The majority of the five-year CIP provides for ongoing or recurring projects that maintain and repair City facilities, water infrastructure, streets, and parks, and projects that gradually replace various capital assets.

However, there are a few significant non-recurring capital projects which are typically “one time” in nature and involve the construction of new facilities or City infrastructure, extensive renovation or addition to existing facilities, or that appreciably contribute to the City’s General Plan. These projects are defined as significant due to the cost, typically \$1,000,000 or more. These projects are scheduled in the CIP in the applicable fiscal year where it has been determined there is sufficient financial capacity to absorb the project outside of the ongoing and recurring projects to maintain the City’s infrastructure. No increases or reduction of spending in other parts of the operating or capital budget were required for these significant non-recurring projects in the current fiscal year or are anticipated for future years. The operating costs associated with these non-recurring capital investments, if applicable, are described on pages 9-10.

The significant nonrecurring capital projects are as follows:

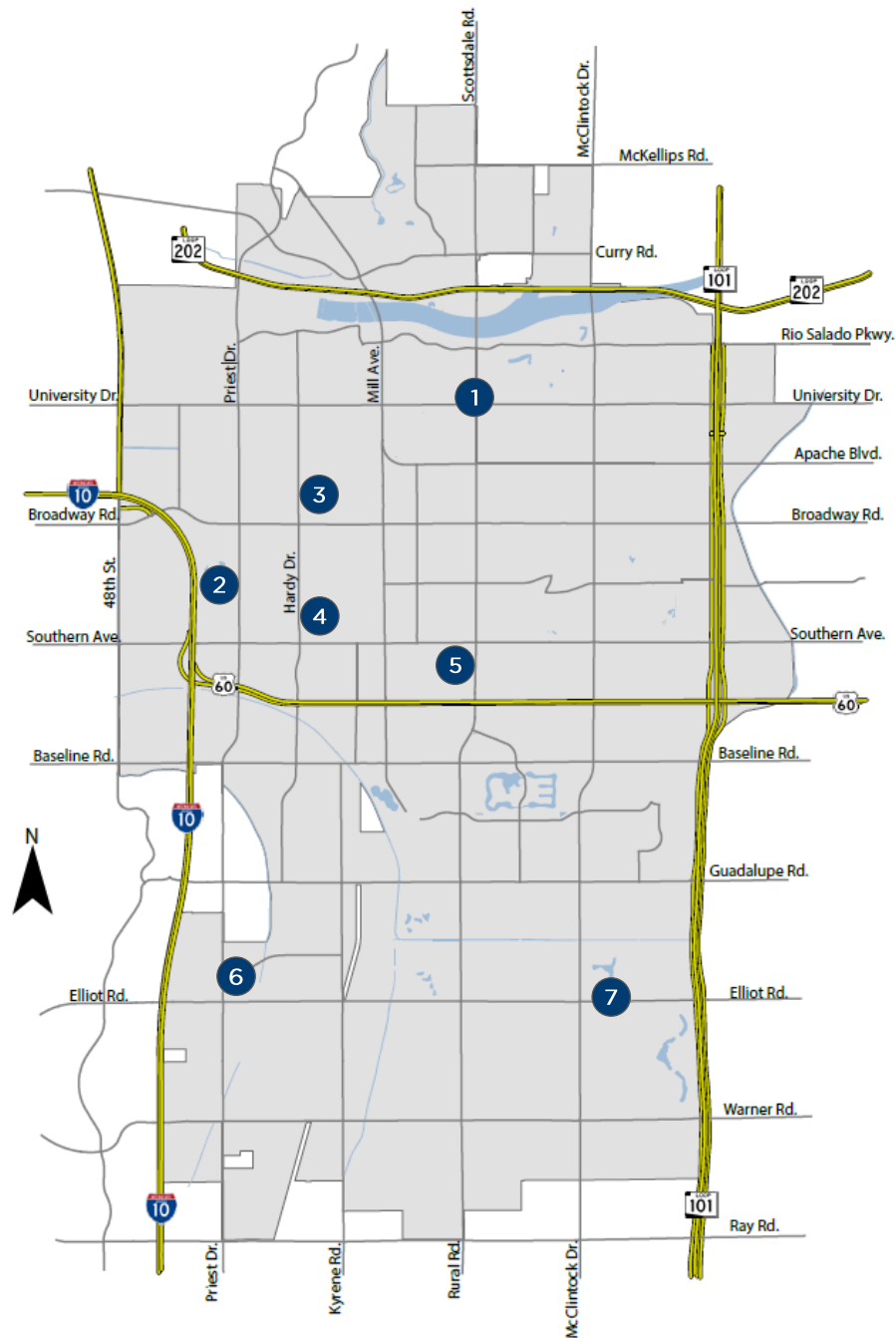
Significant Non-recurring Capital Projects						
Program	Project	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26
Fire	Emergency Medical Transportation Station Renovations	820,342	-	1,400,000	-	-
Fire	Fire Medical Rescue Station #2	11,452,000	-	-	-	-
Fire	Fire Medical Rescue Station Renovations	1,132,000	-	-	-	-
Fire	Fire Medical Rescue Training Center Facilities	15,000	1,218,000	-	-	-
Fire	Fire Station 3	-	-	-	1,452,000	10,000,000
Fire	Fire Station 8	-	-	-	1,452,000	-
General Governmental	Archeological/Historical/Environmental Phase I - City Owned Parcels	1,200,000	-	-	-	-
General Governmental	Archeological/Historical/Environmental Phase II - City Owned Parcels	1,500,000	-	-	-	-
General Governmental	Citizen/Customer Relationship Management (CRM) System	-	100,000	940,000	-	-
General Governmental	City Facilities - Capital Design and Planning	-	-	-	4,300,000	23,200,000
General Governmental	City Hall Municipal Complex Repairs	3,411,788	-	-	-	-
General Governmental	Creation/Acquisition of a Non-Congregate Shelter	-	-	-	-	5,900,000
General Governmental	Downtown Safety Barrier Installation	299,000	156,000	600,000		
General Governmental	Implementation of Community Center Complex Master Plan	-	-	-	-	1,800,000
General Governmental	Library Landscape and Irrigation Implementation	2,202,987	-	-	-	-
General Governmental	PeopleSoft Replacement	-	-	250,000	850,000	850,000
General Governmental	Tempe Center for the Arts Roof Restoration	10,231,670	-	-	-	-
Park Improvements	Clark Park Improvements	125,000	1,255,500			
Park Improvements	Clark Park Pool & Amenities	1,400,000	10,300,000	-	-	-
Police	Hardy Police Substation - HVAC and Officer Gear Lockers	250,000	-	350,000	775,000	-
Police	Mobile and Enhanced Computer Replacement	-	100,000	2,250,000	-	-
Police	New North Police Substation	-	-	-	7,000,000	21,650,000
Police	Public Safety Communications Equipment Replacement	-	1,300,000	-	-	-
Solid Waste	Solid Waste Diversion Processing Program	400,000	3,000,000	-	-	-
Storm Drains	Mill Avenue Drainage Improvements	-	116,000	900,770	-	-
Storm Drains	Roosevelt Storm Drain	-	-	861,000	6,659,000	-
Storm Drains	Watson Drive - Bonarden Lane Drainage Improvements	1,032,680	-	-	-	-

City of Tempe Fiscal Year 2021/22 Capital Improvements Program

Significant Non-recurring Capital Projects (continued)						
Program	Project	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26
Traffic Signals	ITS Traffic Signal CCTV Upgrades	-	-	100,000	1,585,000	-
Traffic Signals	ITS Traffic Signal Detection Upgrades	-	125,000	2,114,000	-	-
Traffic Signals	New Signals/Safety Upgrades	1,780,548	-	-	-	-
Traffic Signals	Priest Dr Fiber Project	-	200,000	2,114,000	-	-
Traffic Signals	Signal Controller Upgrades	-	-	-	1,321,250	-
Traffic Signals	Signal Equipment Upgrade	1,223,000	-	-	-	-
Traffic Signals	Southern Ave Fiber Project	-	-	200,000	2,114,000	-
Traffic Signals	Traffic Management Center Upgrade	1,013,000	-	-	-	-
Transit	8th Street Multi-Use Path (Creamery Branch Rail Path)	1,114,769	-	1,689,645	-	-
Transit	Alameda Drive Bicycle/Pedestrian/Streetscape	3,116,534	-	-	-	-
Transit	Country Club Way Bike and Pedestrian Improvements Project	3,209,863	-	-	-	-
Transit	Grand Canal Multi-Use Path Connectn & Extension Project	649,693	-	2,049,235	-	-
Transit	North South Rail Spur MUP - Phase 1	403,479	2,810,557	-	-	-
Transit	Scottsdale Rd Bicycle & Pedestrian Improvement Project	148,944	-	1,478,648	-	-
Transportation and R.O.W	5th Street Streetscape (Farmer to College Avenues)	-	-	4,830,000	-	-
Transportation and R.O.W	City Hall Complex Restrooms and Parking Reconfiguration	-	1,150,000	3,475,443	-	-
Transportation and R.O.W	Clark Park/Mitchel Park Neighborhood Alley Stabilization	63,500	1,262,750	-	-	-
Transportation and R.O.W	Fire Medical Rescue Facilities Pavement Replacement	375,000	450,000	1,500,000	-	-
Transportation and R.O.W	McClintock Dr. Streetscape Implementation	3,723,532	-	-	-	-
Transportation and R.O.W	Pedestrian and Bicycle Grade Separation - University and College	-	-	-	966,000	1,930,336
Transportation and R.O.W	Roundabout at Priest Dr & Grove Parkway	2,223,068	-	-	-	-
Transportation and R.O.W	Rural Rd & Baseline Rd Intersection Improvements	-	242,500	-	2,000,000	-
Transportation and R.O.W	Rural Rd & Rio Salada Parkway Intersection Improvements	2,350,855	-	-	-	-
Transportation and R.O.W	Rural Rd & University Dr Intersection Improvements	5,769,974	-	-	-	-

Both the recurring and significant non-recurring projects included in the adopted five-year CIP are described under their respective program area in the FY 2021/22 through 2025/26 Capital Improvements Program Project Listing and Descriptions section.

Capital Improvements Project Map



Location & Project Description

1. Rural Road and University Drive Intersection Improvements
2. Alameda Drive Bicycle, Pedestrian, and Streetscape Improvements
3. Clark Park Pool & Amenities
4. Fire Medical Rescue Station #2
5. Library Landscape and Irrigation
6. Roundabout at Priest Drive & Grove Parkway
7. Country Club Way Bike and Pedestrian Improvements Project

Capital Improvements Program Financing

As shown in the chart, Tempe's FY 2021/22 capital program is funded through a combination of bonds and other sources, including pay-as-you-go financing, outside revenues, grants, and capital project fund balances.

For FY 2021/22, the City plans to utilize approximately \$103.0 million in new general obligation (G.O.) bond proceeds for projects in the General Purpose and Transportation programs. Through the remainder of the five-year Capital Improvements Program, the City plans to issue an additional \$260.8 million in bonds for these purposes. Debt service on these bonds will be repaid by revenues from the City's secondary property taxes.

It is important to note the total projected issuance amount of approximately \$363.8 million of G.O. bonds over the next five years reflects the City's estimated new debt capacity over this period as identified by staff within the parameters of the City's statutory debt limits, the City's property tax levy stabilization policy, and the City's debt management plan.

FY 2021/22 Source of Funds		
Funding Source	\$ Millions	% of Total
General Obligation Bonds	103.0	31%
Water / Wastewater Bonds	73.6	22%
Excise Bonds	7.6	2%
Outside Revenue	66.9	20%
Capital Project Fund Balances	11.8	4%
Development Impact Fees	9.5	3%
Pay-as-you-go	63.5	19%
Total	\$335.9	100%

The City also plans to issue approximately \$81.2 million of new enterprise and special purpose excise bonds in FY 2021/22 to finance the project costs in this program. User fee revenue will support the debt service costs on the enterprise bonds and excise taxes will support the debt service costs on the excise tax bonds.

FY 2021/22 capital budget funding sources other than bonds totals \$151.7 million. Pay-as-you-go funding is concentrated in the Enterprise, Special Purpose, General Purpose and Transportation programs in the form of \$5.6 million in Arts and Cultural funds, \$26.0 million in Transit Tax funds, \$7.0 million in Highway User Revenue Fund funds, and \$24.9 million from various City operating fund contributions. Outside revenue funding consists of \$26.0 million in federal HUD funding, \$9.6 million in federal funding, \$9.5 million in development impact fees and \$21.8 million in miscellaneous revenue. The budgeted use of \$11.8 million capital project fund balances to finance projects represents the use of prior year cash balances and City operating fund contributions assigned to projects which were approved in prior years and re-appropriated for completion in FY 2021/22.

The FY 2021/22 capital budget funding sources for each project are described in further detail in the FY 2021/22 through 2025/26 Capital Improvements Program Project Listing and Descriptions section.

DEBT MANAGEMENT PLAN

In addition to the management of existing debt and associated reserves, the City also forecasts future debt within a framework of policy priorities and financial capacity. Current and anticipated capital improvement objectives, available operating revenue, tax base fluctuations, and reserve levels are all evaluated on an ongoing basis to estimate the extent to which the City may issue additional tax supported debt.

<i>Fitch</i>	AAA
<i>Standard & Poor's</i>	AAA

This active debt management ensures the City can readily assess long-term implications for its debt portfolio to make proactive decisions about how much new debt capacity is available today. Additionally, in support of the City's property tax stabilization policy, debt management economic models will continue to be updated annually and employed to monitor how fluctuations in annual secondary property tax levy amounts will necessitate the use of the City's debt service reserve and financing methods other than bonds in future years.

Debt management is also a key financial practice contributing to the maintenance of the City's favorable bond ratings. Tempe's current G.O. bond ratings are shown above. These high ratings translate directly into lower interest rates on the City's debt.

Long-Term Debt and Bond Authorization Summary

Remaining General Obligation Bond Authorizations July 1, 2021

	Original Authorization	Issuances	Remaining Authorization
2016 Voter Authorization			
Water / Wastewater	148,000,000	19,810,302	128,189,698
Public Safety	20,000,000	12,485,550	7,514,450
Park Improvements / Community Services	34,000,000	34,000,000	-
Municipal Infrastructure Preservation	27,000,000	27,000,000	-
Streets / Transportation / Storm Drains	25,000,000	9,736,050	15,263,950
Subtotal	254,000,000	103,031,902	150,968,098
2020 Voter Authorization			
Water / Wastewater	134,000,000	-	134,000,000
Streets / Transportation / Storm Drains	74,000,000	-	74,000,000
Public Safety - Police / Fire	34,000,000	-	34,000,000
Community Services / Park Improvements	45,000,000	108,100	44,891,900
Municipal Infrastructure Preservation	62,000,000	1,728,700	60,271,300
Subtotal	349,000,000	1,836,800	347,163,200
TOTAL	\$ 603,000,000	\$ 104,868,702	\$ 498,131,298

Outstanding Long-Term Debt Summary

	2018	2019	2020	2021
General Obligation Bonds				
Water / Wastewater	201,216,644	206,499,363	185,795,463	163,289,583
Public Safety	52,930,000	52,685,000	50,113,150	48,245,000
Park Improvements	61,300,000	64,230,000	65,404,600	64,815,000
Library / Museum	5,805,000	5,220,000	535,000	435,000
Streets / Transportation / Storm Drains	46,610,000	44,635,000	48,631,050	50,965,000
Municipal Infrastructure Preservation	13,790,000	17,220,000	27,176,200	32,405,000
Total G.O. Debt Outstanding	381,651,644	390,489,363	377,655,463	360,154,583
Excise Tax Bonds				
Water / Wastewater	69,876,000	57,886,000	54,331,000	50,543,000
General Governmental	24,771,374	22,019,984	19,609,975	17,669,345
Performing Arts	6,440,000	3,295,000	0	0
Transit	52,400,000	50,270,000	48,055,000	58,450,000
Rio Salado	13,375,000	10,800,000	8,185,000	5,530,000
Cemetery Enterprise	1,007,626	884,016	754,025	617,655
Total Excise Tax Debt Outstanding	167,870,000	145,155,000	130,935,000	132,810,000
Water Revenue Bonds	0	0	38,000,000	72,100,000
Special Assessment Bonds ⁽¹⁾	17,415,000	16,035,000	14,590,000	13,070,000
Section 108 Guaranteed Loan ⁽²⁾	3,389,000	2,966,000	2,524,000	2,062,000
Total Outstanding Long-Term Debt	\$570,325,644	\$554,645,363	\$563,704,463	\$580,196,583

(1) As trustee for improvement districts within the City, the City is responsible for collection of assessments levied against the owners of property within the improvement districts and for disbursement of these amounts for retirement of the respective bonds issued to finance the improvements. Improvement bonds are collateralized by properties within the districts. In the event of default by the property owner, the City is contingently liable on special assessment bonds to the extent proceeds from assessments are insufficient to retire outstanding bonds.

(2) In July 2004, the City entered into a Section 108 guaranteed loan agreement with the U.S. Department of Housing and Urban Development (HUD) for funding of \$7,000,000 for on-site environmental remediation of the University / Hayden Butte Redevelopment Area 5 (Rio Salado Marketplace Redevelopment). The City has pledged its Community Development Block Grants as security for HUD's guaranteed loan. The City was awarded a \$1,000,000 HUD Brownfield Economic Development Initiative grant to be used to pay interest on the HUD Section 108 loan until such time the development generates sufficient tax revenue to cover the debt service of the development.

Legal Bonded Debt Limits

Under Article 9, Section 8 of the Arizona State Constitution, cities may issue property tax secured debt (general obligation bonds) for purposes of water, wastewater, artificial light, open space preserves, parks, playgrounds and recreational facilities, public safety, law enforcement, fire and emergency services facilities and streets and transportation facilities up to an amount not exceeding 20% of limited assessed property value within the City.

Cities may also issue general obligation bonds for any purpose up to an amount not exceeding 6% of the limited assessed value. All bonds issued pursuant to Article 9, Section 8 are subject to authorization by a majority vote at a city bond election.

Legislation passed in May 2016 by the Arizona State Legislature, effective August 2016, which clarifies that the valuation for the calculation of the debt limits is the full cash (secondary) property value rather than the limited property value. As the secondary property value is higher than the limited property value, this change will further increase the City's positive debt to value ratio.

Actual debt limits are still calculated using the same methodology, only now they are based on the limited property value as follows:

FY 2021/22 General Obligation Bonded Debt Limits July 1, 2021

FY 2021/22	20%	6%
Constitutional Limitation (1)	654,092,854	196,227,856
GO Bonds Outstanding (2)	308,034,412	79,065,059
Debt Margin Available	346,058,442	117,162,797

(1) The constitutional bond limitations are based on the City's total 2021 Net Assessed Full Cash Value of \$3,270,464,268.

(2) The outstanding G.O. bonded debt amount has been reduced by the principal payment made on Jul 1, 2021. The outstanding amount includes \$28,843,400 of bond premiums generated in the sale of bonds for 20% and 6% purposes.

Capital Budget, Debt Service and Property Tax Rate Ten-Year Historical Trends

Fiscal Year	Budgeted Capital Improvements Program	Outstanding Principal	Debt Service Requirements P&I	Taxable Assessed Value (1)	% Change in Taxable Assessed Valuation	Property Tax Rate (2)		
						Primary	Secondary	Total
2012-13	124,812,526	740,227,646	120,964,519	1,697,237,040	(13.3)	0.7862	1.3552	2.1414
2013-14	119,527,409	682,032,903	74,555,343	1,513,299,272	(10.8)	0.9177	1.5705	2.4882
2014-15	150,438,466	648,803,554	86,635,375	1,627,720,901	7.6	0.9231	1.5119	2.4350
2015-16	162,829,772	644,044,281	85,512,403	15,939,447,354	(2.1)	0.9334	1.5861	2.5195
2016-17	143,575,745	616,298,792	77,673,232	1,669,352,097	4.7	0.9399	1.5900	2.5299
2017-18	190,921,855	595,736,661	76,127,786	1,774,236,710	6.3	0.9246	1.5688	2.4934
2018-19	243,715,486	570,325,644	79,558,241	1,862,969,460	5.0	0.9189	1.5046	2.4235
2019-20	258,841,913	554,645,363	74,960,053	2,010,523,408	8.0	0.9010	1.5010	2.4020
2020-21	235,363,693	563,704,463	77,119,734	2,128,571,831	5.9	0.8917	1.5042	2.3959
2021-22	335,931,234	580,196,583	79,368,630	2,269,183,586	6.6	0.8852	1.4816	2.3668

(1) Prior to FY 2015/16, the Taxable Assessed Value was based on the Net Assessed Full Cash (Secondary) Value of all property in the City. Due to a change in legislation (Proposition 117), the City is required to utilize the Net Assessed Limited (Primary) Value for property taxation purposes.

(2) Rater per \$100 net assessed value

As the great recession began to produce rapidly declining property values, the City's capacity to issue general obligation (G.O.) debt became significantly compromised not only because outstanding debt as a percentage of property valuations threatened to cause the City to exceed its legal debt limits, but also because secondary property tax levies were cut in half while maintaining a stable property tax rate. Since the secondary property tax may only legally be used to repay G.O. debt, this circumstance made it very risky to take on new debt service commitments, and potentially jeopardized the City's ability to repay its outstanding G.O. debt service; without draining the City's debt service reserve or increasing the property tax rate.

As shown, this resulted in a dramatically scaled back CIP in FYs 2010/11 and 2011/12. In those years, the water / wastewater capital programs accounted for the bulk of the CIP since debt issued to fund those programs is repaid strictly from water and sewer system user fee revenue.

In response to the declining property values, the City adopted a property tax stabilization policy in FY 2010/11 which established parameters for the amount of property taxes which may be collected each year. The policy allows the City to collect a predictable amount of property tax while property values fluctuate, by essentially allowing the property tax rate to “float”: shown above starting in FY 2011/12. This policy helped to effectively put the City back on track toward reliable and stable capital expenditure planning.

Outstanding Principal includes all forms of City debt, including general obligation, excise tax revenue, and enterprise revenue supported debt. The large increase in total budgeted debt service in FY 2012/13 provided for the retirement of \$54 million of outstanding Transit Tax debt with the receipt of federal reimbursements associated with the City’s portion of the metropolitan area light rail transit system.

Prior to FY 2015/16, Arizona cities collected annual property taxes utilizing two property valuations which were used to calculate two separate but simultaneous property tax levies; the “limited” or primary valuation and levy, and the “secondary” or market valuation and levy. Taxes collected under the primary levy can be used for general operations of the City while taxes collected under the secondary levy can only be used to repay property tax secured debt.

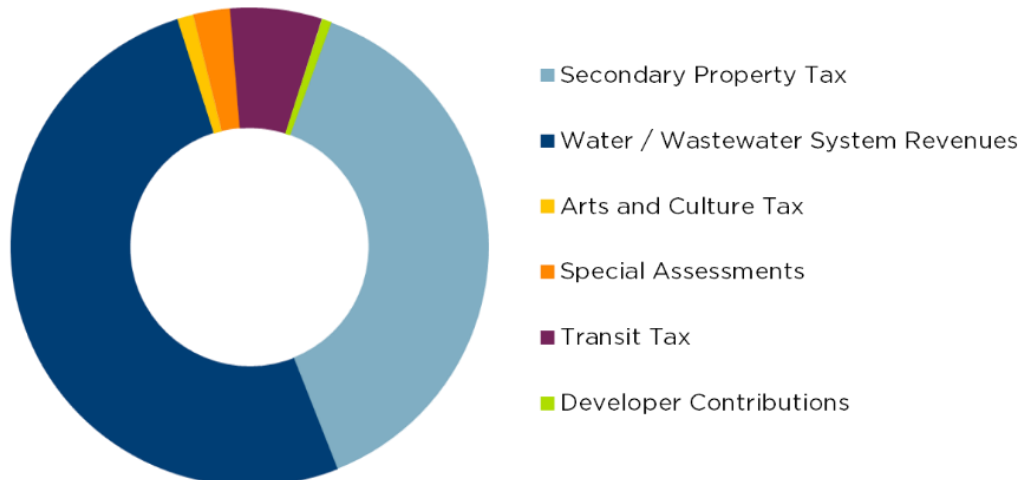
Beginning in FY 2015/16, due to the passage Proposition 117, all property tax levies are now based on one valuation; the limited property valuation. Cities will still collect taxes via two separate levies, the primary and secondary, but each is now based on the same property valuation. Secondary property tax levy collections may still only be used to repay property tax secured debt.

Debt Service Appropriations by Fund

Fiscal Year 2021/22

Program	Principal	Interest	Fiscal Agent Fees	Total
Debt Service Fund	22,932,105	7,980,753	18,500	30,931,358
Arts and Cultural Fund	304,000	379,552	200,000	883,552
Transit Fund	2,905,000	2,074,098	2,500	4,981,598
Water / Wastewater Fund	28,648,231	11,625,227	807,500	41,080,958
Special Assessments Fund	1,370,000	619,250	-	1,989,250
Community Development Block Grant Fund	482,000	48,414	-	530,414
Total	\$ 56,641,336	\$ 22,727,294	\$ 1,028,500	\$ 80,397,130

Debt Service Appropriations by Revenue Source



Debt to Maturity Schedule

The following is a listing, by fund, of principal and interest payments for all outstanding debt, as of July 1, 2021

Program	Principal	Interest	Total
Debt Service Fund			
FY22	22,415,000	8,010,566	30,425,566
FY23	19,530,000	7,163,671	26,693,671
FY24	17,904,000	6,444,626	24,348,626
FY25	24,548,000	5,822,166	30,370,166
FY26	13,870,000	5,005,755	18,875,755
FY27	14,020,000	4,498,390	18,518,390
FY28	14,535,000	3,985,200	18,520,200
FY29	13,925,000	3,457,938	17,382,938
FY30	10,450,000	2,949,313	13,399,313
FY31	9,685,000	2,569,028	12,254,028
FY32	10,070,000	2,180,255	12,250,255
FY33	9,420,000	1,774,390	11,194,390
FY34	6,290,000	1,392,533	7,682,533
FY35	4,960,000	1,143,995	6,103,995
FY36	5,155,000	943,965	6,098,965
FY37	4,450,000	753,125	5,203,125
FY38	4,600,000	590,825	5,190,825
FY39	4,775,000	422,320	5,197,320
FY40	2,950,000	218,180	3,168,180
FY41	1,600,000	106,250	1,706,250
Transit Fund			
FY22	2,905,000	2,074,098	4,979,098
FY23	3,015,000	1,962,321	4,977,321
FY24	3,140,000	1,845,921	4,985,921
FY25	3,255,000	1,724,362	4,979,362
FY26	3,385,000	1,597,922	4,982,922
FY27	3,515,000	1,465,975	4,980,975
FY28	3,655,000	1,328,618	4,983,618
FY29	3,790,000	1,185,351	4,975,351
FY30	3,930,000	1,055,719	4,985,719
FY31	4,045,000	938,873	4,983,873
FY32	4,165,000	815,981	4,980,981
FY33	4,290,000	689,431	4,979,431
FY34	4,450,000	531,685	4,981,685
FY35	4,615,000	367,732	4,982,732
FY36	2,110,000	197,291	2,307,291
FY37	1,735,000	121,875	1,856,875
FY38	795,000	66,150	861,150
FY39	815,000	44,685	859,685
FY40	840,000	22,680	862,680
Water / Wastewater Fund			
FY22	28,648,231	11,625,227	40,273,458
FY23	28,810,961	10,489,016	39,299,977
FY24	27,990,077	9,409,157	37,399,234
FY25	24,624,590	8,277,004	32,901,594
FY26	21,861,508	7,276,791	29,138,299
FY27	17,770,839	6,393,927	24,164,766
FY28	18,530,595	5,671,477	24,202,072
FY29	15,465,783	4,936,231	20,402,014
FY30	12,695,000	4,321,268	17,016,268
FY31	11,955,000	3,815,580	15,770,580
FY32	10,080,000	3,300,610	13,380,610
FY33	9,890,000	2,880,533	12,770,533
FY34	8,220,000	2,443,393	10,663,393
FY35	8,575,000	2,080,920	10,655,920
FY36	8,955,000	1,701,990	10,656,990
FY37	9,330,000	1,322,003	10,652,003
FY38	8,150,000	933,858	9,083,858
FY39	6,665,000	607,023	7,272,023
FY40	5,000,000	328,998	5,328,998
FY41	2,715,000	135,750	2,850,750
Special Assessments Fund			
FY22	1,370,000	619,250	1,989,250
FY23	1,435,000	549,125	1,984,125
FY24	1,510,000	475,500	1,985,500
FY25	1,585,000	398,125	1,983,125
FY26	1,665,000	316,875	1,981,875
FY27	1,745,000	231,625	1,976,625
FY28	1,835,000	142,125	1,977,125
FY29	1,925,000	48,125	1,973,125
Community Development Block Grant Fund			
FY22	482,000	48,414	530,414
FY23	504,000	36,576	540,576
FY24	527,000	23,024	550,024
FY25	549,000	7,823	556,823
Total	\$ 574,666,584	\$ 168,316,504	\$ 742,983,088

Capital Budget, Debt and Property Tax Levy Policy Statements

Capital Budget Policy

- Estimated costs, potential revenue and funding sources shall be identified prior to any project being submitted for Council approval. A department which anticipates a capital project exceeding its adopted budget shall submit a plan to Council addressing the issue for its prior approval.
- A five-year capital improvements program, as required by City Charter, will be developed and updated annually including anticipated funding sources. In addition, a prior year capital project status report shall be presented to the Council for information purposes when the capital improvement budget is considered.
- The annual operating budget will provide for the adequate maintenance and the orderly replacement of the capital plant and equipment from current revenue where possible.
- Capital improvement operating budget impacts will be coordinated with the development of the Operating Budget. Future operating, maintenance, and replacement costs will be forecast as part of the City's annual long-range financial capacity study.
- The City may provide for internal, pay-as-you go financing for its capital improvement program. Funding may come from fund balance reserves or any other acceptable means of funding.

Debt Policy

- Debt will only be used to finance long term capital improvements and not be used to finance recurring operating expenses.
- In accordance with state law, the total value of General Obligation bonds issued for the purposes of water, wastewater, artificial light, open space preserves, parks, playgrounds, and recreational facilities, public safety, law enforcement, fire and emergency services facilities, and streets and transportation facilities cannot exceed 20% of assessed valuation. The total value of General Obligation bonds issued for all other purposes other than those listed above cannot exceed 6% of assessed valuation.
- Debt term should match the useful life of the capital project funded.
- Debt service schedules will be based upon level annual principal and interest payments.
- Overlapping debt issuances shall be included in the City's financial reports.
- Authorized debt shall be limited as follows unless authorization is obtained from the City council to exceed these limits
 - General obligation bonds shall follow the guidelines established in the Debt Management Plan
 - Excise tax bonds shall maintain annual revenue coverage of at least 3 times maximum annual debt service
 - Improvement District bonds shall not exceed 5% of the City's secondary assessed valuation
 - Short-term borrowing or lease / purchase contracts must be budgeted within the Operating Budget
- Benchmark ratios of per capita debt, debt service to operating revenue, and outstanding debt as a percent of full cash value will be updated regularly and incorporated into the Debt Management Plan.

Property Tax Levy Policy

- 1) The total annual secondary tax levy shall only be used to make debt service payments on bonds issued to fund capital projects approved by the City Council in the CIP and shall not exceed the amount necessary to meet annual payments of principal and interest, projected payments of principal and interest on new debt planned for the upcoming fiscal year, and a reasonable delinquency factor.
- 2) Secondary property tax levies shall be deposited into the Interest and Redemption (Debt Service) Fund, from which general purpose bonded debt payments are made. The Interest and Redemption (Debt Service) Fund shall be maintained in accordance with generally accepted accounting principles and shall have a fund balance between 4% and 8% of outstanding general purpose debt at the end of each fiscal year.
- 3) Projections of revenues and debt service payments shall be used to create an annual long-range forecast, of at least 20 years, for the Interest and Redemption (Debt Service) Fund. Projected debt service payments associated with the approved CIP shall not cause the projected Debt Service Fund balance to drop below 4% in any year of the forecast, applying levy projections that comply with this policy for each year of the forecast.

Fiscal Years 2021/22 through 2025/26 Capital Improvements Program
Project Listings and Descriptions



Photo credit: Jason Kay, Tempe Instagrammys 2018 Best of Tempegov

Enterprise Program

Water, Wastewater, Golf, and Solid Waste projects total \$96.4 million in FY 2021/22 and account for 29% of the total FY 2021/22 appropriated CIP budget



The Enterprise component of the Capital Improvements Program consists of the Water, Wastewater, Golf and Solid Waste programs. Combined, they constitute \$96.4 million of the \$335.9 million Capital Improvements Program for FY 2021/22.

The City's Capital Budget for the Water and Wastewater programs is driven primarily by planned infrastructure maintenance and replacement projects that support the City's long-term water and wastewater distribution, collection, and treatment capabilities. The primary funding source for these projects in FY 2021/22 is water and wastewater general obligation and revenue supported bonds. These bonds are repaid by user charges for service delivery in both programs.

The Golf program consists of projects part of a long-term asset management plan to replace and renovate building systems and equipment at Ken McDonald and Rolling Hills golf courses.

The Solid Waste program contains a compost processing program and infrastructure maintenance and replacement projects.

Golf Program

FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

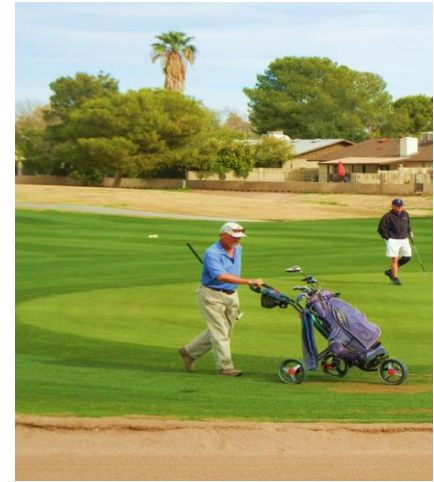
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Golf Course Asset Management	6409809	General Obligation Bonds	273,456	350,000	623,456	-	200,000	120,000	100,000	1,043,456
Golf Facilities Asset Management	6408229	General Obligation Bonds	99,039	96,368	195,407	55,419	55,419	132,000	224,800	663,045
<u>Ken McDonald Clubhouse Renovation</u>	N/A	Cash - America Relief Plan	-	-	-	-	-	-	436,000	436,000
Golf Program Total			372,495	446,368	818,863	55,419	255,419	252,000	760,800	2,142,501

Capital Improvements Program

Golf Course Asset Management

The City owns and operates two golf courses, Ken McDonald and Rolling Hills. This program is part of a long-term asset management plan to proactively plan for the replacement and renovation of on course equipment, landscape and systems, such as pump stations, lakes, cart paths, landscaping, greens, fairways, bunker sand and irrigation.

2021-22: Second of two pump stations at Ken McDonald (\$250,000); Replace and extend driving range netting at Ken McDonald (\$100,000)
 2023-24: Cart path renovation at Rolling Hills (\$200,000)
 2024-25: Partial renovation of two on-course restrooms at Rolling Hills (\$120,000)
 2025-26: Other golf course asset management (\$100,000)



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6409809	1/1/2020			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$523,456	\$0	\$0	\$0	\$0	\$523,456
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$100,000	\$0	\$200,000	\$120,000	\$100,000	\$520,000
Total	\$623,456	\$0	\$200,000	\$120,000	\$100,000	\$1,043,456
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$623,456	\$0	\$200,000	\$120,000	\$100,000	\$1,043,456
Total	\$623,456	\$0	\$200,000	\$120,000	\$100,000	\$1,043,456
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Golf Facilities Asset Management

The City owns and operates two golf courses, Ken McDonald (constructed in 1973) and Rolling Hills (constructed in mid-1980s). Each course has buildings, building systems and equipment associated with it including, clubhouse with a restaurant, proshop, and cart barn and maintenance facility. This program is part of a long-term asset management plan to replace and renovate building systems and equipment at the two municipal golf courses that have reached the end of their life cycle, including flooring, roofs, HVAC, water heaters and electrical systems. This CIP will also address deferred maintenance issues identified in the Mechanical, Electrical and Plumbing Systems study (2017), Roofing Assessment Study (2019), and Fire Systems Assessment (2020); and correct ADA deficiencies identified in the ADA Self-Evaluation (2020).



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

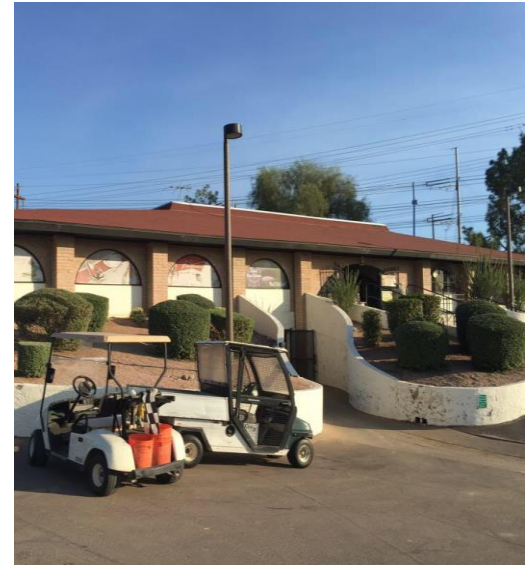
Project Number	Estimated Start			Estimated Completion		
6408229	7/1/2020			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$86,368	\$45,419	\$45,419	\$122,000	\$214,800	\$514,006
Furnishings / Equipment	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$99,039	\$0	\$0	\$0	\$0	\$99,039
Total	\$195,407	\$55,419	\$55,419	\$132,000	\$224,800	\$663,045
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$195,407	\$55,419	\$55,419	\$132,000	\$224,800	\$663,045
Total	\$195,407	\$55,419	\$55,419	\$132,000	\$224,800	\$663,045
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Ken McDonald Clubhouse Renovation

This project renovates the clubhouse at Ken McDonald Golf Course, with funding for design in Year 5 (FY26) and construction planned beyond the current 5-year planning period. The current clubhouse was built in 1973. In 2002, HDA Architects and National Golf Foundation Consulting were retained by the City to evaluate the condition and operations of the clubhouse. At that time, drainage issues, cracks in the masonry and a sinking foundation were observed. The consultant's recommendation was to rebuild the clubhouse and address both the aging infrastructure as well as the flow and layout issues which impede operations. A new clubhouse was not built following the 2002 study, and little or no capital re-investment was made in the subsequent years to address the aging infrastructure. This allowed several years of deferred maintenance to build up. More recently, an asset management approach to capital needs resulted in the completion of several studies at both golf courses, including a Mechanical, Electrical and Plumbing study (2016), a Roofing Assessment (2019), Fire Systems Assessment (2020) and ADA Self Evaluation (2020). Over \$900,000 in deficiencies and deferred maintenance have been identified.

A Request for Information (RFI) was issued in Fall 2019 to assess interest in the private sector to build and operate all or a portion of a new clubhouse at Ken McDonald in return for revenue from operations. Only one response was received and did not offer any concepts for a financial structure under which a clubhouse could be financed through food and beverage revenues alone.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$436,000	\$436,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$436,000	\$436,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Cash - America Relief Plan	\$0	\$0	\$0	\$0	\$436,000	\$436,000
Total	\$0	\$0	\$0	\$0	\$436,000	\$436,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Solid Waste Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Solid Waste Diversion Processing Program	3408559	Solid Waste Fund	100,000	300,000	400,000	-	-	-	-	400,000
		Solid Waste Bonds	-	-		3,000,000	-	-	-	3,000,000
		Project Total	100,000	300,000	400,000	3,000,000	-	-	-	3,400,000
Solid Waste Facilities Asset Management	3408789	Solid Waste Fund	-	137,030	137,030	103,735	148,268	70,129	87,229	546,391
Solid Waste Program Total			100,000	437,030	537,030	3,103,735	148,268	70,129	87,229	3,946,391

Capital Improvements Program

Solid Waste Diversion Processing Program

To further City Council's landfill diversion goal, the Green Organics and Inert Material Processing Facility (Facility) reduces waste buried in landfills and provides beneficial reuse of processed material in the form of products such as compost, aggregate, dust suppression, etc., within the Tempe community and for other City Departments. Special equipment is necessary for day-to-day Facility operations, with equipment being shared within the Facility to maximize utilization. To effectively manage and process increasing volumes of green organic and inert material, additional equipment is necessary. Facility costs and revenue will be accounted for appropriately to ensure proportional cost allocation to solid waste customers, by customer class.

Fiscal Years 2021-2022 and 2022-2023: Green Organics and Inert Material Processing Facility site infrastructure and equipment (\$300,000). Fiscal Year 2021-2022 and 2022-2023: Inert Design/Construction/Recycling Infrastructure (\$3,100,000).



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.04 Achieve or exceed the Council adopted Solid Waste landfill diversion rates by the FY 20/21 25/26.

Project Number	Estimated Start			Estimated Completion		
3408559	7/1/2017			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
Furnishings / Equipment	\$300,000	\$0	\$0	\$0	\$0	\$300,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$400,000	\$3,000,000	\$0	\$0	\$0	\$3,400,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Solid Waste Fund	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Solid Waste Bonds	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
Total	\$400,000	\$3,000,000	\$0	\$0	\$0	\$3,400,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Solid Waste Facilities Asset Management

This program is part of a long-term asset management plan to proactively plan for and replace building systems and equipment that are reaching the end of their useful life. This project provides funding for various building systems and equipment including flooring, roofs, heating, ventilation and air conditioning (HVAC), water heaters and electrical systems for the Solid Waste function.

This project will replace/renovate facilities-related systems to ensure they are performing correctly and in good working condition.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3408789	7/1/2017			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$137,030	\$103,735	\$148,268	\$70,129	\$87,229	\$546,391
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$137,030	\$103,735	\$148,268	\$70,129	\$87,229	\$546,391
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Solid Waste Fund	\$137,030	\$103,735	\$148,268	\$70,129	\$87,229	\$546,391
Total	\$137,030	\$103,735	\$148,268	\$70,129	\$87,229	\$546,391
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Wastewater Program

FY 2021/22 - FY2025/26 CIP Project Listing

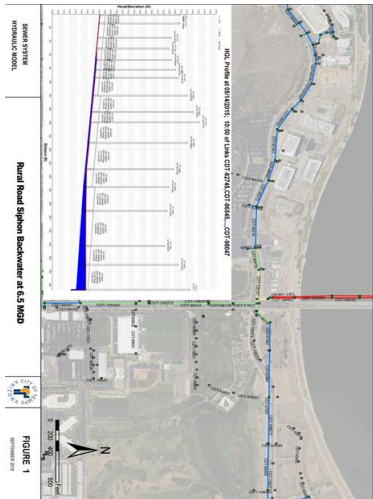
New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Rio Salado Siphon Capacity Relief Project	3232099	Development Impact Fees	773,534	2,850,000	3,623,534	250,000	2,800,000	1,681,088	-	8,354,622
SROG - SAI, SRO, and 91st Ave WWTP	3222099	Water / Wastewater Bonds	237,500	6,075,468	6,312,968	6,773,984	7,455,218	8,555,699	11,403,016	40,500,885
		Development Impact Fees	-	870,000	870,000	1,395,000	5,400,000	11,251,800	2,400,000	21,316,800
		Project Total	237,500	6,945,468	7,182,968	8,168,984	12,855,218	19,807,499	13,803,016	61,817,685
Wastewater Collection System Upgrades and Improvements	3221099	Water / Wastewater Bonds	5,461,861	5,950,000	11,411,861	6,288,900	3,453,000	2,681,500	3,854,440	27,689,701
		Water / Wastewater Fund	338,946	150,000	488,946	300,000	300,000	300,000	300,000	1,688,946
		Project Total	5,800,807	6,100,000	11,900,807	6,588,900	3,753,000	2,981,500	4,154,440	29,378,647
Wastewater Conveyance System - Mechanical Stations Upgrades & Improvements	3223099	Water / Wastewater Bonds	4,766,694	3,617,000	8,383,694	7,623,750	3,058,750	2,882,500	2,260,000	24,208,694
Water Reclamation Facilities Upgrades and Improvements	3224099	Water / Wastewater Bonds	968,566	250,000	1,218,566	900,000	8,400,000	8,400,000	-	18,918,566
		Development Impact Fees	1,714,415	825,000	2,539,415	2,600,000	9,025,000	4,000,000	-	18,164,415
		Project Total	2,682,981	1,075,000	3,757,981	3,500,000	17,425,000	12,400,000	-	37,082,981
Wastewater Program Total			14,261,516	20,587,468	34,848,984	26,131,634	39,891,968	39,752,587	20,217,456	160,842,629

Capital Improvements Program

Rio Salado Siphon Capacity Project

The purpose of this project is to assure that adequate wastewater conveyance capacity will be available in the Rural/Scottsdale Road Sewer Siphon (Siphon) to meet the demands of future development. The Siphon's service area includes the ASU Novus Innovation Corridor, the Tempe Marketplace vicinity and the Valley Metro Rail corridor. Wastewater flow projections in the 2016 Water/Wastewater Master Plan indicated that the Siphon could reach full capacity in the foreseeable future. While plans have been made to address projected over-capacity conditions, water efficiency and conservation efforts have resulted in consistent wastewater flows, despite increasing population in recent years. This project was implemented to provide appropriately-timed infrastructure improvements by monitoring flows through the Siphon and in the Siphon's service area, updating flow projections, designing and constructing improvements when they become necessary. Modifications to the wastewater collection system, which will redirect some flow away from the Siphon, are planned and will be made in 2021. The preliminary design of a siphon outlet pumping station is currently underway, with construction planned to begin in 2024. Construction may be postponed, however, depending on flow monitoring data and updated planning projections.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.10 PLACEHOLDER - URBAN CORE VISION

Project Number		Estimated Start			Estimated Completion	
3232099		Ongoing			6/30/2025	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$31,572	\$2,178	\$24,397	\$14,648	\$0	\$72,795
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$94,717	\$6,535	\$73,190	\$43,943	\$0	\$218,385
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$364,296	\$25,134	\$281,501	\$169,010	\$0	\$839,942
Survey / Staking	\$24,286	\$1,676	\$18,767	\$11,267	\$0	\$55,996
Inspection & Construction Management	\$170,005	\$11,729	\$131,367	\$78,871	\$0	\$391,973
Geotech / Material Testing	\$24,286	\$1,676	\$18,767	\$11,267	\$0	\$55,996
Contingency	\$242,864	\$16,756	\$187,668	\$112,673	\$0	\$559,961
Construction / Installation / Improvement	\$2,671,506	\$184,316	\$2,064,343	\$1,239,408	\$0	\$6,159,574
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,623,534	\$250,000	\$2,800,000	\$1,681,088	\$0	\$8,354,622
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Development Impact Fees	\$3,623,534	\$250,000	\$2,800,000	\$1,681,088	\$0	\$8,354,622
Total	\$3,623,534	\$250,000	\$2,800,000	\$1,681,088	\$0	\$8,354,622
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

SROG - SAI, SRO & 91st Ave. WWTP

This project represents Tempe's investment in the Sub-Regional Operating Group (SROG) wastewater management infrastructure. Tempe currently generates approximately 19 million gallons per day of wastewater, which is conveyed via the Southern Avenue Interceptor (SAI) and Salt River Outfall (SRO) to the 91st Avenue Wastewater Treatment Plant (WWTP). These facilities are jointly owned by the cities of Tempe, Phoenix, Mesa, Scottsdale and Glendale, and are maintained and operated by the City of Phoenix. Tempe's share of SROG capital improvement project activities during this Capital Improvement Program (CIP) planning period will include rehabilitation of treatment plant process piping, biological treatment facilities and systems and solids handling facilities. Wastewater collection system interceptor (pipeline) capacity improvements are also included in this CIP project.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3222099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$7,182,968	\$8,168,984	\$12,855,218	\$19,807,499	\$13,803,016	\$61,817,685
Total	\$7,182,968	\$8,168,984	\$12,855,218	\$19,807,499	\$13,803,016	\$61,817,685
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water and Wastewater Bonds	\$6,312,968	\$6,773,984	\$7,455,218	\$8,555,699	\$11,403,016	\$40,500,885
Development Impact Fees	\$870,000	\$1,395,000	\$5,400,000	\$11,251,800	\$2,400,000	\$21,316,800
Total	\$7,182,968	\$8,168,984	\$12,855,218	\$19,807,499	\$13,803,016	\$61,817,685
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Wastewater Collection System Upgrades and Improvements

This project provides a recurring funding source for wastewater collection system condition assessment and structural rehabilitation or replacement of infrastructure that has reached the end of its useful life. Municipal Utilities' long-term asset management program is intended to ensure reliable operations of City facilities, including its wastewater collection system, which includes approximately 500 miles of gravity sewer pipeline and over 10,000 manholes. Current program goals target the closed-circuit television (CCTV) inspection and assessment of 60 miles of pipeline and 1,000 manholes per year. Segments of the wastewater collection system determined to be at risk of failure within the next five to ten years are scheduled for rehabilitation as a project within this 5-year Capital Improvements Program. Projects are prioritized through condition and risk assessment, which considers structural condition and criticality. Pipes or segments having the greatest potential consequences of failure, due to factors such as pipe size, depth of bury, proximity to major commercial areas or transit corridors, or adjacency to hospitals or institutions of public health and safety, are deemed most critical.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3221099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$103,693	\$57,410	\$32,700	\$25,978	\$36,198	\$255,980
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$311,080	\$172,230	\$98,101	\$77,935	\$108,595	\$767,941
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,196,462	\$662,423	\$377,312	\$299,749	\$417,672	\$2,953,617
Survey / Staking	\$79,764	\$44,162	\$25,154	\$19,983	\$27,845	\$196,908
Inspection & Construction Management	\$558,349	\$309,131	\$176,079	\$139,883	\$194,913	\$1,378,355
Geotech / Material Testing	\$79,764	\$44,162	\$25,154	\$19,983	\$27,845	\$196,908
Contingency	\$797,641	\$441,615	\$251,542	\$199,832	\$278,448	\$1,969,078
Construction / Installation / Improvement	\$8,774,053	\$4,857,768	\$2,766,957	\$2,198,157	\$3,062,925	\$21,659,860
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$11,900,807	\$6,588,900	\$3,753,000	\$2,981,500	\$4,154,440	\$29,378,647
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water and Wastewater Bonds	\$11,411,861	\$6,288,900	\$3,453,000	\$2,681,500	\$3,854,440	\$27,689,701
Water and Wastewater Fund	\$488,946	\$300,000	\$300,000	\$300,000	\$300,000	\$1,688,946
Total	\$11,900,807	\$6,588,900	\$3,753,000	\$2,981,500	\$4,154,440	\$29,378,647
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Wastewater Conveyance System - Mechanical Stations Upgrades & Improvements

This project provides a recurring funding source for wastewater collection system condition assessment and rehabilitation, or replacement of mechanical and civil wastewater collection and conveyance system infrastructure that has reached the end of its useful life. Municipal Utilities' long-term asset management program is intended to ensure reliable operation of City facilities, including its wastewater collection and conveyance mechanical systems, which includes four wastewater pumping stations, six flow diversion structures, two odor control biofilters and eleven flow metering stations. Failure of wastewater collection and conveyance system mechanical stations could result in incorrect metering for service billing, odors and other nuisance conditions, or sanitary sewer backups or overflows. This Capital Improvement Program planning period includes completion of upgrades to the four wastewater pumping stations, condition assessment and rehabilitation of force mains, flow diversion structures and odor control facilities.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
3223099		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$73,048	\$66,427	\$26,651	\$25,116	\$19,692	\$210,934
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$219,145	\$199,280	\$79,954	\$75,347	\$59,075	\$632,801
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$842,865	\$766,463	\$307,515	\$289,796	\$227,212	\$2,433,850
Survey / Staking	\$56,191	\$51,098	\$20,501	\$19,320	\$15,147	\$162,257
Inspection & Construction Management	\$393,337	\$357,683	\$143,507	\$135,238	\$106,032	\$1,135,797
Geotech / Material Testing	\$56,191	\$51,098	\$20,501	\$19,320	\$15,147	\$162,257
Contingency	\$561,910	\$510,975	\$205,010	\$193,197	\$151,475	\$1,622,567
Construction / Installation / Improvement	\$6,181,008	\$5,620,727	\$2,255,111	\$2,125,168	\$1,666,220	\$17,848,233
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$8,383,694	\$7,623,750	\$3,058,750	\$2,882,500	\$2,260,000	\$24,208,694
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water and Wastewater Bonds	\$8,383,694	\$7,623,750	\$3,058,750	\$2,882,500	\$2,260,000	\$24,208,694
Total	\$8,383,694	\$7,623,750	\$3,058,750	\$2,882,500	\$2,260,000	\$24,208,694
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water Reclamation Facilities Upgrades and Improvements

This project provides a funding source for expansion and improvement of the City's local reclaimed water infrastructure. Currently, all the City's wastewater is conveyed to the Sub-Regional Operating Group 91st Avenue Wastewater Treatment Plant. Approximately 70 percent of Tempe's annual wastewater flow, and approximately 90 percent in the summertime, is committed for reuse at the Palo Verde Nuclear Generating Station, by the Buckeye Irrigation District and at the Tres Rios Constructed Wetlands. Reactivation of the Kyrene Water Reclamation Facility (KWRF) will enable the City to collect, treat and utilize the balance of its reclaimed water potential. This project includes funding for planning, design and construction of new aquifer storage and recovery (ASR) wells and the reactivation of the KWRF. ASR wells will be used to recharge available, treated excess surface water or reclaimed water from KWRF. It is anticipated that reactivation of the KWRF will occur in 2025. This timing will be refined as Municipal Utilities staff continues monitoring wastewater flows, water use and surface water supplies, and evaluates the role of locally-generated reclaimed water in guaranteeing the City's assured water supply.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth &
Development

4.16 PLACEHOLDER - WATER SUPPLY

Project Number	Estimated Start			Estimated Completion		
3224099	Ongoing			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$28,388	\$30,496	\$151,826	\$108,043	\$0	\$318,753
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$85,162	\$91,488	\$455,479	\$324,129	\$0	\$956,258
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$327,545	\$351,877	\$1,751,843	\$1,246,649	\$0	\$3,677,914
Survey / Staking	\$21,836	\$23,458	\$116,790	\$83,110	\$0	\$245,194
Inspection & Construction Management	\$152,855	\$164,209	\$817,527	\$581,769	\$0	\$1,716,360
Geotech / Material Testing	\$21,836	\$23,458	\$116,790	\$83,110	\$0	\$245,194
Contingency	\$218,363	\$234,584	\$1,167,895	\$831,099	\$0	\$2,451,941
Construction / Installation / Improvement	\$2,901,997	\$2,580,429	\$12,846,850	\$9,142,091	\$0	\$27,471,367
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,757,981	\$3,500,000	\$17,425,000	\$12,400,000	\$0	\$37,082,981
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water and Wastewater Bonds	\$1,218,566	\$900,000	\$8,400,000	\$8,400,000	\$0	\$18,918,566
Development Impact Fees	\$2,539,415	\$2,600,000	\$9,025,000	\$4,000,000	\$0	\$18,164,415
Total	\$3,757,981	\$3,500,000	\$17,425,000	\$12,400,000	\$0	\$37,082,981
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Personnel Services	\$0	\$0	\$84,056	\$168,109	\$1,120,729	\$1,372,894
Supplies and Services	\$0	\$0	\$41,250	\$457,500	\$3,150,000	\$3,648,750
Total	\$0	\$0	\$125,306	\$625,609	\$4,270,729	\$5,021,644

Water Program

FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
<u>Advanced Metering Infrastructure (AMI) System Replacement</u>	N/A	Water / Wastewater Fund	-	-	-	-	-	-	200,000	200,000
CAP Water Lease - WMAT										
Quantification Settlement Agreement	3208019	Capital Projects Fund Balance	3,117,758	-	3,117,758	-	-	-	-	3,117,758
		Development Impact Fees	-	-	-	779,439	779,439	779,439	779,439	3,117,756
		Project Total	3,117,758	-	3,117,758	779,439	779,439	779,439	779,439	6,235,514
Flood Irrigation Infrastructure Asset Maintenance	3207099	Water / Wastewater Fund	758,318	500,000	1,258,318	250,000	500,000	500,000	500,000	3,008,318
Meter Replacement Program	3209319	Water / Wastewater Fund	360,000	-	360,000	300,000	300,000	300,000	300,000	1,560,000
SCADA and Security Improvements	3204099	Water / Wastewater Bonds	498,690	688,000	1,186,690	1,081,000	375,000	-	-	2,642,690
		Water / Wastewater Fund	491,310	2,709,000	3,200,310	2,632,000	1,684,000	1,940,000	1,741,000	11,197,310
		Project Total	990,000	3,397,000	4,387,000	3,713,000	2,059,000	1,940,000	1,741,000	13,840,000
<u>Utility Billing System Replacement</u>	N/A	Water / Wastewater Fund	-	-	-	-	-	100,000	500,000	600,000
Water System Pumping Stations, Reservoirs & Tanks	3203099	Water / Wastewater Bonds	4,400,000	9,596,000	13,996,000	3,721,000	1,781,000	62,000	628,000	20,188,000
		Water / Wastewater Fund	600,000	292,000	892,000	102,000	102,000	102,000	102,000	1,300,000
		Project Total	5,000,000	9,888,000	14,888,000	3,823,000	1,883,000	164,000	730,000	21,488,000
Water Transmission & Distribution System	3202099	Water / Wastewater Bonds	7,682,000	11,935,000	19,617,000	11,623,000	13,947,000	16,645,000	15,390,000	77,222,000
		Water / Wastewater Fund	400,000	1,700,000	2,100,000	2,200,000	700,000	700,000	700,000	6,400,000
		Project Total	8,082,000	13,635,000	21,717,000	13,823,000	14,647,000	17,345,000	16,090,000	83,622,000
Water Treatment Plant Asset Maintenance & Upgrades	3208099	Water / Wastewater Bonds	2,000,000	3,108,000	5,108,000	24,848,000	24,848,000	12,713,000	42,181,000	109,698,000
		Water / Wastewater Fund	220,000	-	220,000	-	-	-	-	220,000
		Project Total	2,220,000	3,108,000	5,328,000	24,848,000	24,848,000	12,713,000	42,181,000	109,918,000
Water Utility Archaeological Program	3211099	Water / Wastewater Bonds	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Water Utility Buildings Asset Management	3206099	Water / Wastewater Fund	770,000	1,496,000	2,266,000	938,000	494,000	449,000	487,000	4,634,000
Wells - Asset Maintenance & New Production	3205099	Water / Wastewater Bonds	1,749,000	3,644,000	5,393,000	9,403,000	4,881,000	2,782,000	7,949,000	30,408,000
		Development Impact Fees	-	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
		Project Total	1,749,000	4,144,000	5,893,000	9,903,000	5,381,000	3,282,000	8,449,000	32,908,000
Water Program Total			23,047,076	37,168,000	60,215,076	59,377,439	51,891,439	38,572,439	72,957,439	283,013,832

Capital Improvements Program

Advanced Metering Infrastructure (AMI) System Replacement

The purpose of this project is to provide a funding source for replacement of the City's Advanced Metering Infrastructure (AMI), automated water meter reading system. The Customer Service Division of Internal Services converted the City's system of collecting water meter readings to AMI, beginning in 2016. Full implementation was completed in 2019. AMI provides an enhanced service to utility customers through greater meter reading accuracy, overall customer service and potential leak detection on customer accounts. Integration of AMI with WaterSmart allowed customers to self-monitor their water usage and charges, providing an additional customer service tool. AMI supports the City's Cost of Service rate structure by accurately analyzing water usage in each customer classification, thereby allowing for the development of a proportional and data driven water rate structure. The life expectancy of AMI technology components is approximately 12-15 years. This will be a multi-year project, starting with \$200,000 in FY 2025-26, for analysis, with the assistance of consultant, to inform the decision making process and begin replacement in FY2026-27.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Strong Community Connection

2.02 Achieve satisfaction ratings of "Very Satisfied" or "Satisfied" with the "Quality of Customer Service" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

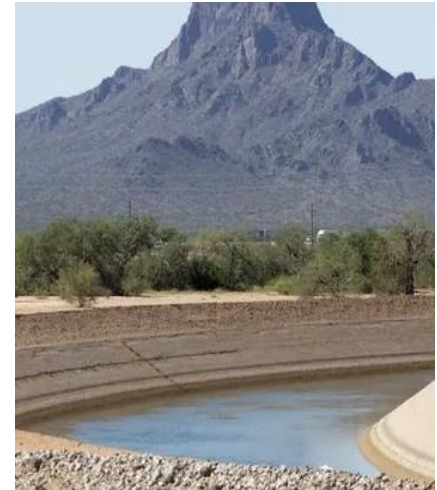
Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2028		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Total	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Fund	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Total	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Central Arizona Project (CAP) Water Lease - White Mountain Apache Tribe (WMAT) Quantification Settlement Agreement

City Council adopted, by resolution, the White Mountain Apache Tribe (WMAT) Quantification Settlement Agreement (QSA) and authorized the execution of a long-term, 100-year lease of WMAT CAP water for Tempe (2,481 acre-feet/year). The enforceability date of the agreement is anticipated to be in Fiscal Year 2020-21. The terms of the water lease agreement provide payment of 50 percent of the total amount of the 100-year lease 30 days after the enforceability date, followed by four annual payments of 12.5 percent each, until paid in full. Total lease cost is estimated at \$6,235,515. Payment of the initial 50 percent, approximately \$3,117,758, is anticipated to be due in Fiscal Year 2020-21.

The WMAT QSA, and the associated Congressional Act, resolve long-standing water disputes and provide greater water supply certainty for Tempe and all parties in the future. The WMAT CAP Water Lease Agreement provides Tempe the opportunity to further diversify and add to its water resources portfolio for the future through the lease of CAP water under a long-term contract.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.16 PLACEHOLDER - WATER SUPPLY

Project Number	Estimated Start			Estimated Completion		
3208019	7/1/2021			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$3,117,758	\$779,439	\$779,439	\$779,439	\$779,439	\$6,235,514
Total	\$3,117,758	\$779,439	\$779,439	\$779,439	\$779,439	\$6,235,514
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$3,117,758	\$0	\$0	\$0	\$0	\$3,117,758
Development Impact Fees	\$0	\$779,439	\$779,439	\$779,439	\$779,439	\$3,117,756
Total	\$3,117,758	\$779,439	\$779,439	\$779,439	\$779,439	\$6,235,514
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Flood Irrigation Infrastructure Asset Maintenance

This project provides a recurring funding source for the repair and replacement of flood irrigation system infrastructure that has reached the end of its useful life. This project has been identified as part of the Municipal Utilities' long-term asset management program to ensure reliable operations of approximately 23 miles of irrigation pipelines that serve 16 City parks and approximately 850 residential customers. These pipelines are located primarily north of US-60, in a number of older subdivisions within the City, and are constructed of non-reinforced concrete pipe. Rehabilitation projects have been planned based on closed circuit television (CCTV) inspections and field observations by City staff. This Capital Improvement Program (CIP) planning period includes rehabilitation of irrigation piping within the Maple/Ash Neighborhood and completion of a criticality/condition assessment for prioritization of future rehabilitation projects.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3207099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$10,964	\$2,178	\$4,357	\$4,357	\$4,357	\$26,212
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$32,892	\$6,535	\$13,070	\$13,070	\$13,070	\$78,636
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$126,506	\$25,134	\$50,268	\$50,268	\$50,268	\$302,445
Survey / Staking	\$8,434	\$1,676	\$3,351	\$3,351	\$3,351	\$20,163
Inspection & Construction Management	\$59,036	\$11,729	\$23,458	\$23,458	\$23,458	\$141,141
Geotech / Material Testing	\$8,434	\$1,676	\$3,351	\$3,351	\$3,351	\$20,163
Contingency	\$84,338	\$16,756	\$33,512	\$33,512	\$33,512	\$201,630
Construction / Installation / Improvement	\$927,714	\$184,316	\$368,633	\$368,633	\$368,633	\$2,217,929
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,258,318	\$250,000	\$500,000	\$500,000	\$500,000	\$3,008,318
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Fund	\$1,258,318	\$250,000	\$500,000	\$500,000	\$500,000	\$3,008,318
Total	\$1,258,318	\$250,000	\$500,000	\$500,000	\$500,000	\$3,008,318
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Meter Replacement Program

This project provides a recurring funding source for the purchase of new and replacement revenue generating water meters, advanced meter infrastructure (AMI) endpoints and equipment and meter boxes that have been in service past their useful life. As they age, meters tend to under-report flows. By improving meter read accuracy, this project will help decrease inaccurately accounted for water, ensure accurate billing and increase water enterprise fund revenue. Industry studies confirm that water meters of all sizes decrease in read accuracy over time, particularly at low volume flows. This results in inaccurate data regarding consumption and inaccurate billing. The water industry recommends regular testing of water meters and, based on test results, cost-benefit analyses and manufacturer warranty periods, replacement of meters approximately every 10-12 years. The City currently maintains approximately 43,000 water meters up to 10-inch in size (approximately 38,000 meters between 5/8-inch and 2-inch).



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities

1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
3209319		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$360,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,560,000
Total	\$360,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,560,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Fund	\$360,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,560,000
Total	\$360,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,560,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

SCADA, Electrical and Security Improvements

This project provides a funding source for improvements and upgrades to the Supervisory Control and Data Acquisition (SCADA) System, electrical and security systems for all operational areas of the Water Utilities Division. Improvements and upgrades include those recommended in both the SCADA Master Plan (in development) and the EPA-mandated Risk and Resilience Assessment and Emergency Response Plan. This project includes the following major areas of work: update and standardization of computer hardware and software at all treatment plants and field sites (groundwater wells, wastewater lift stations and wastewater metering stations); a global SCADA software system update and redesign; treatment plant and field site automation upgrades; integration of Tempe Town Lake wells into SCADA; field site communication upgrades; upgrade and replacement of security infrastructure; and electrical systems evaluation and improvements, including Arc Flash updates to meet recommended National Fire Protection Association (NFPA) safety standards.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



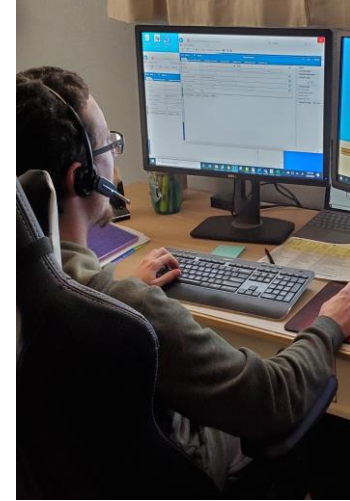
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3204099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$32,000	\$27,000	\$16,000	\$14,000	\$13,000	\$102,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$114,000	\$96,000	\$53,000	\$50,000	\$45,000	\$358,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$389,000	\$329,000	\$182,000	\$172,000	\$154,000	\$1,226,000
Survey / Staking	\$32,000	\$27,000	\$15,000	\$14,000	\$13,000	\$101,000
Inspection & Construction Management	\$226,000	\$192,000	\$106,000	\$100,000	\$90,000	\$714,000
Geotech / Material Testing	\$32,000	\$27,000	\$15,000	\$14,000	\$13,000	\$101,000
Contingency	\$324,000	\$274,000	\$152,000	\$143,000	\$128,000	\$1,021,000
Construction / Installation / Improvement	\$3,238,000	\$2,741,000	\$1,520,000	\$1,433,000	\$1,285,000	\$10,217,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,387,000	\$3,713,000	\$2,059,000	\$1,940,000	\$1,741,000	\$13,840,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$1,186,690	\$1,081,000	\$375,000	\$0	\$0	\$2,642,690
Water/Wastewater Fund	\$3,200,310	\$2,632,000	\$1,684,000	\$1,940,000	\$1,741,000	\$11,197,310
Total	\$4,387,000	\$3,713,000	\$2,059,000	\$1,940,000	\$1,741,000	\$13,840,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Utility Billing System Replacement

The purpose of this project is to provide a funding source for replacement of the City's Utility Billing System, Customer Care and Billing (CC&B), with Customer to Meter (C2M, Cloud product). The current billing system is Oracle-based and has served the City well over the years. As the City continues moving toward Cloud-based services, C2M will provide this functionality with improved interfaces, additional functionality and improved customer satisfaction. This will be a multi-year project, starting with \$100,000 in FY 2024-25, for analysis to help inform the decision making process and begin replacement in FY2025-26.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Strong Community Connection

2.02 Achieve satisfaction ratings of "Very Satisfied" or "Satisfied" with the "Quality of Customer Service" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			6/30/2027		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$100,000	\$500,000	\$600,000
Total	\$0	\$0	\$0	\$100,000	\$500,000	\$600,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Fund	\$0	\$0	\$0	\$100,000	\$500,000	\$600,000
Total	\$0	\$0	\$0	\$100,000	\$500,000	\$600,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water System Pumping Stations, Reservoirs and Tanks

The purpose of this project is to rehabilitate or replace aging water system infrastructure, including finished water pump stations and water storage reservoirs at the City's two water treatment plants, and elevated water storage tanks and booster pump stations throughout the water distribution system. Scheduled projects include: improvements to the Hayden Butte and Bell Butte field sites related to the original tank construction; annual asset maintenance at booster pump stations; reconstruction of the Phoenix Interconnect Booster Station; water storage reservoir asset maintenance and the addition of aeration at both water treatment plants to improve water quality, and roofing system asset maintenance and replacement to accommodate future solar panels on the reservoirs at the South Tempe Water Treatment Plant.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3203099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$95,000	\$33,000	\$16,000	\$1,000	\$6,000	\$151,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$338,000	\$107,000	\$53,000	\$5,000	\$21,000	\$524,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,426,000	\$149,000	\$126,000	\$70,000	\$70,000	\$1,841,000
Survey / Staking	\$95,000	\$33,000	\$16,000	\$1,000	\$6,000	\$151,000
Inspection & Construction Management	\$657,000	\$227,000	\$109,000	\$6,000	\$41,000	\$1,040,000
Geotech / Material Testing	\$95,000	\$33,000	\$16,000	\$1,000	\$6,000	\$151,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$12,082,000	\$3,241,000	\$1,547,000	\$80,000	\$580,000	\$17,530,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$14,888,000	\$3,823,000	\$1,883,000	\$164,000	\$730,000	\$21,488,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$13,996,000	\$3,721,000	\$1,781,000	\$62,000	\$628,000	\$20,188,000
Water/Wastewater Fund	\$892,000	\$102,000	\$102,000	\$102,000	\$102,000	\$1,300,000
Total	\$14,888,000	\$3,823,000	\$1,883,000	\$164,000	\$730,000	\$21,488,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water Transmission and Distribution System

This project provides a recurring funding source for upgrades, repairs or replacement of existing water system infrastructure that has not been included in a planned rehabilitation program. Additionally, the purpose of this project is to rehabilitate or replace aging water system infrastructure including waterlines, valves and fire hydrants. Each year of the Capital Improvement Program (CIP) planning period includes funding for waterline replacement projects, based on waterline break history, pipe age and material of construction. Waterline projects are coordinated with the City's pavement management program to maximize the use of CIP dollars and minimize the impact to residents. Waterline projects are also coordinated with the City's Information Technology Division and Intelligent Transportation Systems to install conduit for information and communication systems where needed. Valve and fire hydrant replacements are coordinated with valve and fire hydrant asset maintenance programs. Tempe's water transmission and distribution system consists of over 850 miles of waterline, which ranges in size from four inches to sixty-six inches in diameter, with over 26,000 valves and approximately 9,000 fire hydrants. Based on historical spending associated with unscheduled repair or replacement work, approximately \$1.0M per year has been budgeted for this purpose. Other projects identified are part of Municipal Utilities' long-term asset management program to ensure reliable operations. In addition, appropriate funding for major projects, which include the replacement of five to ten miles of waterline per project and focus on areas with a high frequency of failures, is included. These projects take approximately three years to complete, including design and construction.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



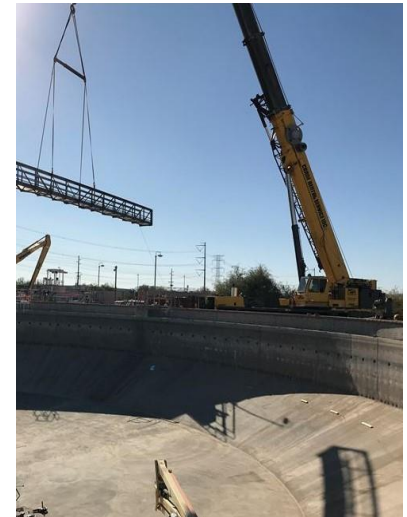
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3202099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$158,000	\$90,000	\$90,000	\$125,000	\$115,000	\$578,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$497,000	\$290,000	\$327,000	\$402,000	\$367,000	\$1,883,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,181,000	\$216,000	\$1,503,000	\$216,000	\$96,000	\$3,212,000
Survey / Staking	\$149,000	\$90,000	\$90,000	\$125,000	\$115,000	\$569,000
Inspection & Construction Management	\$1,046,000	\$628,000	\$628,000	\$877,000	\$807,000	\$3,986,000
Geotech / Material Testing	\$149,000	\$90,000	\$90,000	\$125,000	\$115,000	\$569,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$14,937,000	\$8,969,000	\$8,969,000	\$12,525,000	\$11,525,000	\$56,925,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$3,600,000	\$3,450,000	\$2,950,000	\$2,950,000	\$2,950,000	\$15,900,000
Total	\$21,717,000	\$13,823,000	\$14,647,000	\$17,345,000	\$16,090,000	\$83,622,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$19,617,000	\$11,623,000	\$13,947,000	\$16,645,000	\$15,390,000	\$77,222,000
Water/Wastewater Fund	\$2,100,000	\$2,200,000	\$700,000	\$700,000	\$700,000	\$6,400,000
Total	\$21,717,000	\$13,823,000	\$14,647,000	\$17,345,000	\$16,090,000	\$83,622,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water Treatment Plant Asset Maintenance and Upgrades

Due to the size and complexity of the systems at the City's water treatment plants, ongoing asset maintenance is necessary to ensure operational reliability. This project provides a recurring funding source for replacement and rehabilitation, as well as upgrades to treatment plant processes as they are identified. Scheduled work includes: sodium hypochlorite system generator and piping replacement and filter backwash pump station design and construction at the Johnny G. Martinez Water Treatment Plant (JGMWTP); presedimentation basin sludge pump replacement, sodium hypochlorite cell and piping replacement, final sedimentation 2A/B and 3A/B gear drives and motors and sludge collectors at the South Tempe Water Treatment Plant (STWTP). Funding is for improvements identified during the recently completed Water Treatment Plant Assessment, which included development of a long-term capital improvement program to address replacement of equipment at the end of its useful life, rehabilitate aging systems to ensure efficient and reliable operations and to upgrade existing systems, as needed, to meet federal and state water quality requirements. This program includes funding for concrete rehabilitation and the addition of a new Granular Activated Carbon (GAC) treatment system at both water treatment plants. GAC treatment is required to both meet federal water quality requirements for disinfection by-products in the distribution system, and to help reduce or eliminate operational use of groundwater for water quality purposes, thereby reserving groundwater for future potential drought conditions that may reduce supplies of surface water.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



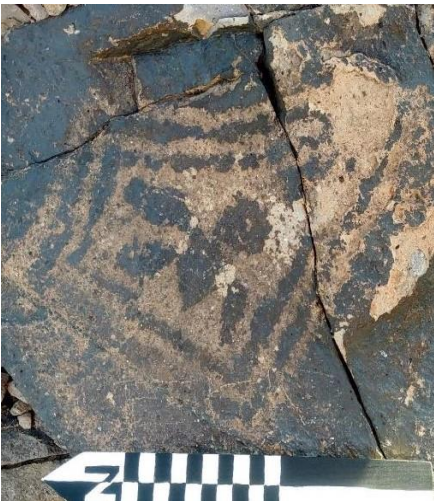
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3208099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$32,000	\$239,000	\$239,000	\$123,000	\$406,000	\$1,039,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$92,000	\$694,000	\$694,000	\$355,000	\$1,176,000	\$3,011,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$315,000	\$2,372,000	\$2,372,000	\$1,213,000	\$3,878,000	\$10,150,000
Survey / Staking	\$27,000	\$198,000	\$198,000	\$101,000	\$337,000	\$861,000
Inspection & Construction Management	\$184,000	\$1,383,000	\$1,383,000	\$708,000	\$2,358,000	\$6,016,000
Geotech / Material Testing	\$27,000	\$198,000	\$198,000	\$101,000	\$337,000	\$861,000
Contingency	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Construction / Installation / Improvement	\$4,621,000	\$19,764,000	\$19,764,000	\$10,112,000	\$33,689,000	\$87,950,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$5,328,000	\$24,848,000	\$24,848,000	\$12,713,000	\$42,181,000	\$109,918,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$5,108,000	\$24,848,000	\$24,848,000	\$12,713,000	\$42,181,000	\$109,698,000
Water/Wastewater Fund	\$220,000	\$0	\$0	\$0	\$0	\$220,000
Total	\$5,328,000	\$24,848,000	\$24,848,000	\$12,713,000	\$42,181,000	\$109,918,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water Utilities Archaeological Program

The Water Utilities Division currently has several projects underway and planned, that have been identified as requiring possible archeological mitigation. Given the unknowns related to the archeological process and difficulties in calculating costs, this project provides a funding source for unforeseen expenses related to historical and archaeological studies, and potential remediation, for all water and wastewater funded capital improvement projects. This project will also be used for archaeological work associated with emergency waterline and sewerline repair work.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
3211099		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Total	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Total	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Water Utility Buildings Asset Management

This project will fund major building repairs and replacement of building assets at all Water Utility Facilities. In coordination with Facilities Maintenance, this program has been developed as an ongoing replacement strategy for floors, roofing, HVAC, sprinkler systems, elevators, etc. to ensure reliable operations. Facilities Maintenance completed a comprehensive roof assessment of Water Utilities Buildings in March of 2021, and the results of this assessment found that roof repairs exceeded previous estimates by \$500,000, so Fiscal Year 2021-2022 has been updated to reflect these findings.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3206099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$2,266,000	\$938,000	\$494,000	\$449,000	\$487,000	\$4,634,000
Total	\$2,266,000	\$938,000	\$494,000	\$449,000	\$487,000	\$4,634,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Fund	\$2,266,000	\$938,000	\$494,000	\$449,000	\$487,000	\$4,634,000
Total	\$2,266,000	\$938,000	\$494,000	\$449,000	\$487,000	\$4,634,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Wells - Asset Maintenance and New Production

The purpose of this project is to add new groundwater production and recovery well capacity to Tempe water system for back-up water production, supplemental drought supply, water quality blending and emergency preparedness. This project will provide funding for the drilling and equipping of new production wells and replacement and major rehabilitation of existing wells. Also included in this project is annual asset maintenance and minor rehabilitation of existing groundwater wells. Municipal Utilities will continue its partnership with Salt River Project to connect their wells to Tempe's system to add additional groundwater production for purposes of drought resiliency and emergency preparedness. The City is in the process of purchasing an existing Arizona Public Service groundwater well that could bolster water supply to the downtown Tempe area. Tempe's water system is better served with a greater level of potable water production redundancy between surface water treatment plants and groundwater wells. Increasing groundwater and recovery well production capacity provides a higher level of operational redundancy and a back-up water supply during droughts, emergencies or surface water conditions that require the use of groundwater wells as a supplemental supply. The goal is to increase groundwater production capacity over time to meet the average daily water demand of the service area, to meet buildout conditions, based on the current approved General Plan development densities.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
3205099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$35,000	\$80,000	\$28,000	\$21,000	\$68,000	\$232,000
Land Acquisition	\$1,060,000	\$0	\$0	\$0	\$0	\$1,060,000
Permit / Agency Fees	\$126,000	\$263,000	\$151,000	\$93,000	\$222,000	\$855,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,662,000	\$288,000	\$108,000	\$1,283,000	\$228,000	\$3,569,000
Survey / Staking	\$57,000	\$80,000	\$47,000	\$51,000	\$68,000	\$303,000
Inspection & Construction Management	\$179,000	\$564,000	\$327,000	\$119,000	\$477,000	\$1,666,000
Geotech / Material Testing	\$26,000	\$80,000	\$47,000	\$17,000	\$68,000	\$238,000
Contingency	\$200,000	\$500,000	\$0	\$0	\$500,000	\$1,200,000
Construction / Installation / Improvement	\$2,548,000	\$8,048,000	\$4,673,000	\$1,698,000	\$6,818,000	\$23,785,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$5,893,000	\$9,903,000	\$5,381,000	\$3,282,000	\$8,449,000	\$32,908,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Water/Wastewater Bonds	\$5,393,000	\$9,403,000	\$4,881,000	\$2,782,000	\$7,949,000	\$30,408,000
Development Impact Fees	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Total	\$5,893,000	\$9,903,000	\$5,381,000	\$3,282,000	\$8,449,000	\$32,908,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Special Purpose Program

Arts & Cultural and Transit projects total \$48.9 million in FY 2021/22 and account for 15% of the total FY 2021/22 appropriated CIP budget



The Special Purpose component of the Capital Improvements Program accounts for all projects included under a program area with a legally dedicated funding source. Arts & Cultural, funded by a one cent City sales tax, and the Transit Program, funded by one-half cent City sales tax (the Transit Tax), are the City's special revenue program areas with capital projects in FY 2021/22. Combined, they constitute \$48.9 million of the \$335.9 million Capital Improvements Program for FY 2021/22.

The Arts & Cultural program entails unique features and programs that enrich the community in addition to the management of a long-term art asset plan.

Transit projects are focused on major multi use path projects and transit capital asset maintenance and repair.

Arts and Cultural Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Arts and Cultural Asset Restoration (formerly Tempe Center for the Arts Asset Restoration)	5710229	Arts and Cultural Fund	1,442,198	2,002,500	3,444,698	1,474,590	536,000	749,500	996,000	7,200,788
Tempe Center for the Arts Roof Repair and Restoration	5710349	Arts and Cultural Fund	2,155,860	-	2,155,860	-	-	-	-	2,155,860
		Capital Project Fund Balance		500,000	500,000	-	-	-	-	500,000
		Excise Bonds	-	7,575,810	7,575,810	-	-	-	-	7,575,810
		Project Total	2,155,860	8,075,810	10,231,670	-	-	-	-	10,231,670
Tempe Municipal Arts Program	6699799	Municipal Arts Fund	738,322	750,000	1,488,322	750,000	750,000	750,000	750,000	4,488,322
Arts and Cultural Program Total			4,336,380	10,828,310	15,164,690	2,224,590	1,286,000	1,499,500	1,746,000	21,920,780

Capital Improvements Program

Arts and Culture Asset Restoration (formerly TCA Asset Restoration)

This project funds the repair and replacement of major equipment, infrastructure, and sub-systems in the Tempe Center for the Arts, History Museum, Edna Vihel Arts Center and several historic properties on a life cycle basis.

Projects include:

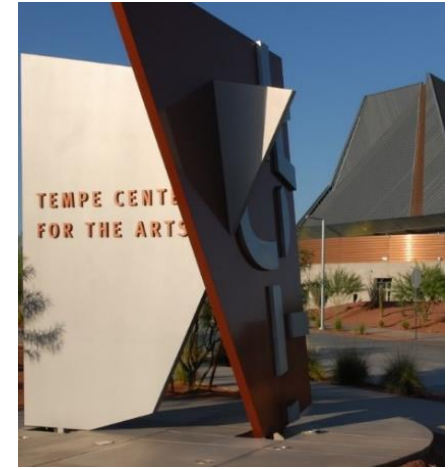
FY21/22: TCA Wifi, software, chillers, and stage amenities; History Museum furniture, signage and software; Edna Arts ceramic yard ramada and theatre refurbishment; historic houses furniture and minor remodel

FY 22/23 TCA Chillers and motors, theatre seats; History Museum furniture; historic houses fiber for Internet

FY 23/24 TCA Plumbing, orchestra shell repairs, theatrical lighting console; History Museum doors and windows, study for storage building, and space study; Edna Arts theatre partition

FY 24/25 TCA audio equipment, roof and architectural lighting, emergency generator and HVAC; History Museum storage building

FY 25/26 TCA Office carpet, security cameras; History Museum storage building



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5710229	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$9,000	\$6,000	\$1,000	\$1,000	\$7,000	\$24,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$27,000	\$16,000	\$4,000	\$3,000	\$19,000	\$69,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$103,000	\$62,000	\$15,000	\$12,000	\$75,000	\$267,000
Survey / Staking	\$7,000	\$4,000	\$1,000	\$1,000	\$5,000	\$18,000
Inspection & Construction Management	\$48,000	\$29,000	\$7,000	\$6,000	\$35,000	\$125,000
Geotech / Material Testing	\$7,000	\$4,000	\$1,000	\$1,000	\$5,000	\$18,000
Contingency	\$69,000	\$42,000	\$10,000	\$8,000	\$50,000	\$179,000
Construction / Installation / Improvement	\$687,000	\$415,000	\$100,000	\$80,000	\$500,000	\$1,782,000
Furnishings / Equipment	\$53,000	\$370,000	\$4,500	\$89,500	\$0	\$517,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$69,000	\$42,000	\$10,000	\$8,000	\$50,000	\$179,000
ITD / Telecommunications	\$468,500	\$175,000	\$70,000	\$0	\$0	\$713,500
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$1,897,198	\$309,590	\$312,500	\$540,000	\$250,000	\$3,309,288
Total	\$3,444,698	\$1,474,590	\$536,000	\$749,500	\$996,000	\$7,200,788
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Arts and Cultural Fund	\$3,444,698	\$1,474,590	\$536,000	\$749,500	\$996,000	\$7,200,788
Total	\$3,444,698	\$1,474,590	\$536,000	\$749,500	\$996,000	\$7,200,788
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Tempe Center for the Arts Roof Repair and Restoration

This project will repair significant deficiencies in the roof of the Tempe Center for the Arts (TCA). Due to the unique architectural style and complexity of the varying roof types at the TCA facility, a specialized architectural consultant was hired to conduct the investigative phase in 2020 and provide options for the repair work. The scope of this project includes removal of certain sections of the roof that are failing and replace with a different material, remove and replace all metal flashing and trim, remove and replace all metal roof panels, and repair or enhance other roof components to prevent future risk of failure.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5710349	7/1/2018			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$88,143	\$0	\$0	\$0	\$0	\$88,143
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$255,615	\$0	\$0	\$0	\$0	\$255,615
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$538,259	\$0	\$0	\$0	\$0	\$538,259
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$726,558	\$0	\$0	\$0	\$0	\$726,558
Geotech / Material Testing	\$57,360	\$0	\$0	\$0	\$0	\$57,360
Contingency	\$764,798	\$0	\$0	\$0	\$0	\$764,798
Construction / Installation / Improvement	\$7,647,978	\$0	\$0	\$0	\$0	\$7,647,978
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$152,960	\$0	\$0	\$0	\$0	\$152,960
Total	\$10,231,670	\$0	\$0	\$0	\$0	\$10,231,670
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Arts and Cultural Fund	\$2,155,860	\$0	\$0	\$0	\$0	\$2,155,860
Capital Project Fund Balance	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Excise Bonds	\$7,575,810	\$0	\$0	\$0	\$0	\$7,575,810
Total	\$10,231,670	\$0	\$0	\$0	\$0	\$10,231,670
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Tempe Municipal Arts Program

Tempe has an enduring legacy through its program of funding public art and art in all its forms through the Municipal Arts fund. Recently, this program reflected the input given by community member and stakeholders through the Tempe Arts and Culture Plan. The 2015 plan created a community vision for the delivery of arts and culture services throughout Tempe. One of the defining features of this vision is the importance of engaging the community in planning and delivering services for Tempe to define itself with unique features and programs that enrich the community and draws visitors and business. This engagement happens, in part, through the activities funded by the Municipal Arts fund. The variety of art forms and installations provide a unique sense of place. The Municipal Arts Fund provides for commissions and acquisitions of temporary and permanent works of public art, arts experiences, and opportunities for artists to take part in projects that provide a living wage.

To achieve these goals requires the resources provided by the Municipal Arts fund and requires expertise in delivering those services. In order to have the capacity to execute the plan, project support and services are necessary. An Arts Specialist and an Arts Coordinator are included in the budget request for that purpose. Among the projects they would assist and coordinate through this fund are temporary public art; new permanent, capital public art projects; public art maintenance; professional development for artists; projects to enhance the art collection's visibility and to share resources with other agencies; art exhibitions in community gallery spaces, and the administrative services necessary to implement all of these projects. The funding request reflects the costs of these services and the staff to support the implementation of the projects. The Municipal Arts Fund has a healthy balance and a stable revenue stream through the 1% for arts ordinance.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.17 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Community Services programs" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6699799	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$1,488,322	\$750,000	\$750,000	\$750,000	\$750,000	\$4,488,322
Total	\$1,488,322	\$750,000	\$750,000	\$750,000	\$750,000	\$4,488,322
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Municipal Arts Fund	\$1,488,322	\$750,000	\$750,000	\$750,000	\$750,000	\$4,488,322
Total	\$1,488,322	\$750,000	\$750,000	\$750,000	\$750,000	\$4,488,322
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Personnel Services	\$162,580	\$162,580	\$162,580	\$162,580	\$162,580	\$812,900
Operating Cost Savings	-\$57,650	-\$57,650	-\$57,650	-\$57,650	-\$57,650	-\$288,250
Total	\$104,930	\$104,930	\$104,930	\$104,930	\$104,930	\$524,650

Transit Program

FY 2021/22 - FY2025/26 CIP Project Listing

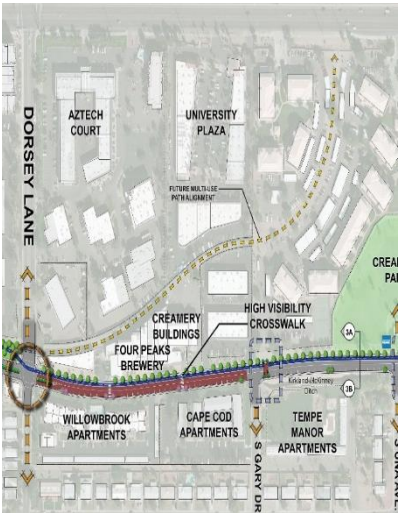
New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
8th Street Multi-Use Path (Creamery Branch Rail Path)	6007139	Transit Tax	948,769	166,000	1,114,769	-	310,624	-	-	1,425,393
		Federal Grant - CMAQ	-	-	-	-	1,379,021	-	-	1,379,021
		Project Total	948,769	166,000	1,114,769	-	1,689,645	-	-	2,804,414
Alameda Drive & I-10 Bicycle / Pedestrian Bridge	6010009	Transit Tax	500,000	-	500,000	-	-	-	-	500,000
Alameda Drive Bicycle/Pedestrian/Streetscape	6008799	Transit Tax	70,841	162,900	233,741	-	-	-	-	233,741
		Federal Grant - CMAQ	-	2,882,793	2,882,793	-	-	-	-	2,882,793
		Project Total	70,841	3,045,693	3,116,534	-	-	-	-	3,116,534
Bus Pullout Project	6008519	Transit Tax	1,852,407	-	1,852,407	-	-	-	-	1,852,407
		Development Impact Fees	-	-	-	300,000	300,000	300,000	300,000	1,200,000
		Project Total	1,852,407	-	1,852,407	300,000	300,000	300,000	300,000	3,052,407
Bus Stop Capital Maintenance/Improvements	6005239	Transit Tax	1,528,204	-	1,528,204	750,000	750,000	750,000	750,000	4,528,204
Country Club Way Bike and Pedestrian Improvements Project	6008969	Transit Tax	320,263	277,867	598,130	-	-	-	-	598,130
		Federal Grant - CMAQ	-	2,611,733	2,611,733	-	-	-	-	2,611,733
		Project Total	320,263	2,889,600	3,209,863	-	-	-	-	3,209,863
EVBOM - Facility Asset Maintenance (East Valley Bus Ops/Maint Facility)	6006089	Transit Tax	5,287,979	1,500,000	6,787,979	1,200,000	1,750,000	1,500,000	1,500,000	12,737,979
		Lease Agreement - TBD	-	-	TBD	TBD	TBD	TBD	TBD	TBD
		Project Total	5,287,979	1,500,000	6,787,979	1,200,000	1,750,000	1,500,000	1,500,000	12,737,979
Federal Grants & Project Contingency	6009860	Transit Tax	-	500,000	500,000	-	-	-	-	500,000
		Federal Grants	-	2,000,000	2,000,000	-	-	-	-	2,000,000
		Project Total	-	2,500,000	2,500,000	-	-	-	-	2,500,000
Grand Canal Multi-Use Path Connection & Extension Project	6008979	Transit Tax	254,693	22,515	277,208	-	116,806	-	-	394,014
		Federal Grant - CMAQ	-	372,485	372,485	-	1,932,429	-	-	2,304,914
		Project Total	254,693	395,000	649,693	-	2,049,235	-	-	2,698,928
Light Rail Capital Maintenance - State of Good Repair	6010019	Transit Tax	1,690,152	-	1,690,152	500,000	500,000	500,000	500,000	3,690,152
North South Rail Spur MUP - Phase 1	6007089	Transit Tax	403,479	-	403,479	458,738	-	-	-	862,217
		Federal Grant - CMAQ	-	-	-	2,315,065	-	-	-	2,315,065
		Development Impact Fees	-	-	-	36,754	-	-	-	36,754
		Project Total	403,479	-	403,479	2,810,557	-	-	-	3,214,036
Pathway Capital Maintenance	6005249	Transit Tax	5,355,090	1,000,000	6,355,090	1,000,000	1,000,000	1,000,000	1,000,000	10,355,090
Scottsdale Rd Bicycle & Pedestrian Improvement Project	6009749	Transit Tax	138,944	10,000	148,944	-	222,000	-	-	370,944
		Federal Grant - CMAQ	-	-	-	-	1,256,648	-	-	1,256,648
		Project Total	138,944	10,000	148,944	-	1,478,648	-	-	1,627,592
Transit Tax Funded Projects										
Archaeological Contingency Fund	6009759	Transit Tax	400,000	-	400,000	-	-	-	-	400,000
TTC - Facility Asset Maintenance (Transportation Center)	6006099	Transit Tax	2,876,577	400,000	3,276,577	400,000	400,000	400,000	400,000	4,876,577
University Drive & Regional Light Rail/ McAllister Grade Separation	6008989	Transit Tax	296,125	-	296,125	-	-	-	-	296,125
Transit Program Total			21,923,523	11,906,293	33,829,816	6,960,557	9,917,528	4,450,000	4,450,000	59,607,901

Capital Improvements Program

8th Street Multi-Use Path (Creamery Branch Rail Path)

This project will design and construct a combined multi-use path along the Creamery Branch Rail Spur and streetscape improvements along 8th Street from Rural Road to McClintock Drive. The Creamery Branch multi-use path will include landscaping and lighting where allowed. The 8th Street improvements will provide improved sidewalk and bicycle lanes. The project will better integrate with historic structures while encouraging appropriate redevelopment on vacant lots or deteriorating structures. Old 8th Street spans a significant prehistoric archaeological site and was the location of the Bankhead Highway. In addition, the Borden Creamery Complex (Four Peaks), the Elias-Rodriguez House, Marlatt's Garage, and the Kirkland-McKinney Ditch are all located along 8th Street. An archeological consultant was hired to complete the required environmental review. Additional environmental work still needs to be completed prior to project construction. In addition, upon the completion of the environmental review, the project could require additional design changes to accommodate the environmental findings. These additional steps could delay the project delivery. The construction of the project is funded with \$1,379,021 federal grant and \$310,624 in Transit Tax. Funds are being moved in the CIP to allow staff to continue to review feasibility of moving forward with the project in conjunction with the MAG CMAQ Grant.



Project Priority Type
Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life 3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number		Estimated Start			Estimated Completion		
6007139		7/1/2015			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$0	\$0	\$15,000	\$0	\$0	\$15,000	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$0	\$0	\$43,000	\$0	\$0	\$43,000	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$166,000	\$0	\$165,000	\$0	\$0	\$331,000	
Survey / Staking	\$0	\$0	\$11,000	\$0	\$0	\$11,000	
Inspection & Construction Management	\$0	\$0	\$77,000	\$0	\$0	\$77,000	
Geotech / Material Testing	\$0	\$0	\$11,000	\$0	\$0	\$11,000	
Contingency	\$0	\$0	\$110,000	\$0	\$0	\$110,000	
Construction / Installation / Improvement	\$0	\$0	\$1,100,000	\$0	\$0	\$1,100,000	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$0	\$0	\$110,000	\$0	\$0	\$110,000	
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$948,769	\$0	\$47,645	\$0	\$0	\$996,414	
Total	\$1,114,769	\$0	\$1,689,645	\$0	\$0	\$2,804,414	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Transit Tax	\$1,114,769	\$0	\$310,624	\$0	\$0	\$1,425,393	
Federal Grant - CMAQ	\$0	\$0	\$1,379,021	\$0	\$0	\$1,379,021	
Total	\$1,114,769	\$0	\$1,689,645	\$0	\$0	\$2,804,414	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

Capital Improvements Program

Alameda Drive & I-10 Bicycle/Pedestrian Bridge

This project is a bicycle and pedestrian bridge along the Alameda Drive and Baseline Road alignment at the I-10 freeway and includes lighting, safety features and public art. The project will be an elevated crossing of the I-10 connection from Fountainhead Business Park (east side) to Tempe Diablo Stadium (west side). It will link several Tempe neighborhoods and bikeways, particularly the bike route along Alameda Drive to major employment centers, the stadium, and a City of Phoenix bike route on Roeser Road. Currently, Alameda Drive (Roeser Street in Phoenix) is a more than 20-mile bike route that has linkages to downtown Phoenix and Tempe, but is cut in half at the I-10 crossing. In addition, the second bicycle and pedestrian bridge at Baseline will extend Tempe's Western Canal Path from Gilbert, Mesa and Chandler to Phoenix. The projects will facilitate freeway crossing, similar to the College Avenue and Country Club Way bike/pedestrian bridges over the U.S. 60. This project is identified in MAG, ADOT and local transportation plans and will be constructed with ADOT's Broadway Curve - I10 Improvement project scheduled on the years 2021-2024/ Tempe's contribution will fund aesthetic and art treatments for the bridges.



Project Priority Type		
Systems Expansions		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number		Estimated Start			Estimated Completion		
6010009		7/1/2020			6/30/2024		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking		\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None							

Capital Improvements Program

Alameda Drive Bicycle/Pedestrian/Streetscape

This project includes designing bicycle and pedestrian facility improvements on three miles of a collector street that will include improved street crossings, medians, bike lanes, landscaping, lighting, enhanced sidewalks and pedestrian amenities and upgrades to meet all Americans with Disabilities Act design requirements. The project links to the Phoenix border on a street with bike lanes and to older Tempe neighborhoods, employment centers, redeveloping and higher density residential areas, Tempe Diablo stadium, other major regional bikeways and connects across the Union Pacific Railroad and to a 2017 funded bicycle/pedestrian bridge over Interstate 10. The project will transform an automobile oriented corridor into a premier walking and bicycling facility in accordance with the Maricopa Association of Governments Pedestrian Design Guidelines and Tempe's Transportation Master Plan and Bicycle Boulevard Plan. The project received regional design funding in 2014 and has had public meetings to establish a preferred concept plan. Project construction is funded with \$2,882,793 in CMAQ federal funds and \$162,900 with transit tax for the required local match. The project is a critical bicycle and pedestrian linkage for major residential and employment areas, and will refresh an aging corridor and create a more multi-modal street for all users. The project was originally deferred to FY22/23 due to the need to replace and relocate a waterline. That project is underway and staff anticipate being able to move forward with this project in FY21/22.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
6008799	7/1/2013			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$27,000	\$0	\$0	\$0	\$0	\$27,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$79,000	\$0	\$0	\$0	\$0	\$79,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$306,000	\$0	\$0	\$0	\$0	\$306,000
Survey / Staking	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Inspection & Construction Management	\$143,000	\$0	\$0	\$0	\$0	\$143,000
Geotech / Material Testing	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Contingency	\$204,000	\$0	\$0	\$0	\$0	\$204,000
Construction / Installation / Improvement	\$2,113,534	\$0	\$0	\$0	\$0	\$2,113,534
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$204,000	\$0	\$0	\$0	\$0	\$204,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,116,534	\$0	\$0	\$0	\$0	\$3,116,534
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$233,741	\$0	\$0	\$0	\$0	\$233,741
Federal Funds - CMAQ	\$2,882,793	\$0	\$0	\$0	\$0	\$2,882,793
Total	\$3,116,534	\$0	\$0	\$0	\$0	\$3,116,534
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Bus Pullout Project

This project is to fund the design and construction of bus pullouts citywide. Bus pullouts are installed to provide more comfortable boarding and alighting for transit users, as well as to provide an area for buses to pull out of traffic and allow freer flow of traffic movement, thereby improving intersection delays city wide. A 2016 Council adopted program of pullouts identified up to 129 locations citywide, with roughly 40 high priority locations. The high priority locations are identified at high traffic and traffic congested intersections that also have high ridership and / or safety issues related to the intersection. In FY21 approximately 15 pullouts have been installed. This program is anticipated to decrease the financial needs in later years as the priority locations are completed. Partnerships with new private development in the city will be a primary method for funding future pullouts.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number	Estimated Start			Estimated Completion		
6008519	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,852,407	\$300,000	\$300,000	\$300,000	\$300,000	\$3,052,407
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,852,407	\$300,000	\$300,000	\$300,000	\$300,000	\$3,052,407
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$1,852,407	\$0	\$0	\$0	\$0	\$1,852,407
Development Impact Fees	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$1,200,000
Total	\$1,852,407	\$300,000	\$300,000	\$300,000	\$300,000	\$3,052,407
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Bus Stop Capital Maintenance & Improvements

This project provides funding for ongoing replacement of retired or damaged bus shelters, installation of new shelters and all other bus stop amenities city wide. The city has 800+ bus stops with 350+- shelters. Other bus stop amenities include seating, trash receptacles, bike racks, solar lighting, schedule holders, signs, and concrete pads. New shelter designs will be completed in FY 22 and will begin to be installed in the city. All installs or upgrades include ADA compliance. The purpose of this project is to maintain existing bus stop conditions in good working order and condition and to expand the overall inventory of shelters to be at all bus stops in the future. The project intends to continue expanding the shade, seating and overall comfort of the public transportation system in order to assist in ridership retention and growth.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

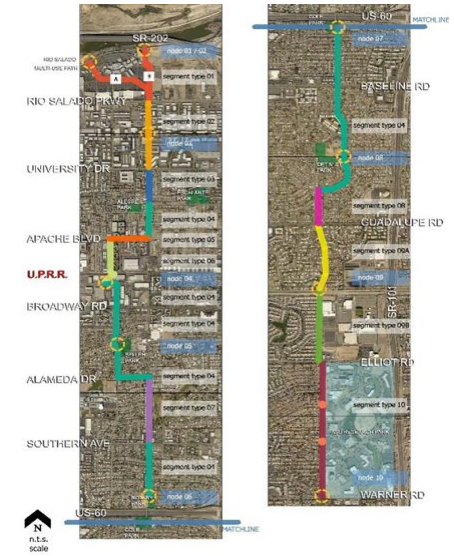
3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number	Estimated Start			Estimated Completion		
6005239	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,528,204	\$750,000	\$750,000	\$750,000	\$750,000	\$4,528,204
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,528,204	\$750,000	\$750,000	\$750,000	\$750,000	\$4,528,204
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$1,528,204	\$750,000	\$750,000	\$750,000	\$750,000	\$4,528,204
Total	\$1,528,204	\$750,000	\$750,000	\$750,000	\$750,000	\$4,528,204
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Country Club Way Bike and Pedestrian Improvements Project

The project will design and construct the first 3.5 miles of a seven-mile on/off-street bike boulevard from ASU Research Park/Warner Road to the US-60 bike/ped bridge, generally along Country Club Way. The Country Club Way Bicycle and Pedestrian Improvement Project extends seven miles connecting ASU Research Park along Country Club Way to Tempe Town Lake and the regional Rio Salado path system. The project will link local and regional facilities, five schools, three existing canal paths, two bicycle/pedestrian bridges, four bicycle boulevards, travel across eight major arterials, connect to one light rail station at Smith-Martin and across the Union Pacific Railroad south of Apache Boulevard. It would include public art, enhanced sidewalks, shared use path, bike lanes, signalized street intersections & mid-block crossings, raised medians, a railroad crossing, and landscaping. The new facility will reduce vehicle-ped conflicts, introduce bike lanes and a path, landscaping, and art features while remaining ADA/MUTCD/AASHTO compliant. This project will include ADA Transition Plan identified repairs. The project will provide a sustainable and safe bicycle and pedestrian connection to major employment, educational facilities and shopping centers. This project is listed in the Transportation Master Plan and Tempe General Plan 2040 and implements the general plan goal of achieving the 20-Minute City. Construction of the project is funded with \$2,611,733 federal grant and \$277,867 Transit Tax.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number		Estimated Start			Estimated Completion		
6008969		7/1/2020			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$26,000	\$0	\$0	\$0	\$0	\$26,000	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$75,000	\$0	\$0	\$0	\$0	\$75,000	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$285,000	\$0	\$0	\$0	\$0	\$285,000	
Survey / Staking	\$19,000	\$0	\$0	\$0	\$0	\$19,000	
Inspection & Construction Management	\$171,000	\$0	\$0	\$0	\$0	\$171,000	
Geotech / Material Testing	\$19,000	\$0	\$0	\$0	\$0	\$19,000	
Contingency	\$190,000	\$0	\$0	\$0	\$0	\$190,000	
Construction / Installation / Improvement	\$2,220,263	\$0	\$0	\$0	\$0	\$2,220,263	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$190,000	\$0	\$0	\$0	\$0	\$190,000	
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$14,600	\$0	\$0	\$0	\$0	\$14,600	
Total	\$3,209,863	\$0	\$0	\$0	\$0	\$3,209,863	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Transit Tax	\$598,130	\$0	\$0	\$0	\$0	\$598,130	
Federal Fund-CMAQ	\$2,611,733	\$0	\$0	\$0	\$0	\$2,611,733	
Total	\$3,209,863	\$0	\$0	\$0	\$0	\$3,209,863	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

Capital Improvements Program

EVBOM - Facility Asset Maintenance (East Valley Bus Operations and Maintenance facilit

This project involves the ongoing repair and replacement needs for the EVBOM facility in accordance with the Transit Asset Management plan as required by the Federal Transit Administration. The facility is the bus operations center for Tempe and most of the East Valley bus service. Tempe contracts with Valley Metro for bus service who hires a vendor; both VM and the vendor (First Transit) are tenants of the building. Approximately 500 bus operators and 250 buses operate out of the facility. Bus fleet repairs, washing, fueling, and all administrative staff utilize the facility. Additionally the facility provides fueling services for other city department fleets. The facility operates 24/7/365. Built in 2007 the facility is now entering the asset management phase of it's life cycle. In FY's 21 and 22 a significant safety and space efficiency project is underway, and all other expenses related to this facility are typical life cycle repair and replacement needs to keep the facility operational for Tempe and East Valley bus systems. All modifications to the building include an effort toward improving sustainable practices like utilization of LED lighting. Annual lease agreements with VM help to share costs for this facility with VM and the other East Valley cities.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

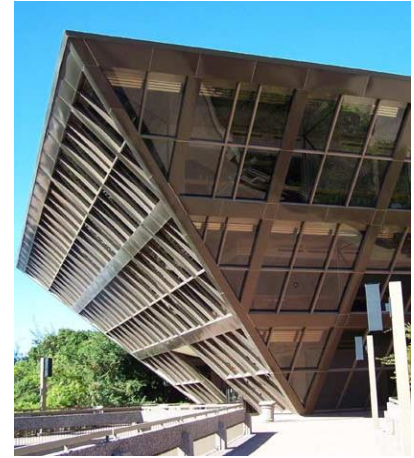
3.29 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Overall Satisfaction with Transit System in Tempe" greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number	Estimated Start			Estimated Completion		
6006089	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$6,787,979	\$1,200,000	\$1,750,000	\$1,500,000	\$1,500,000	\$12,737,979
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$6,787,979	\$1,200,000	\$1,750,000	\$1,500,000	\$1,500,000	\$12,737,979
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$6,787,979	\$1,200,000	\$1,750,000	\$1,500,000	\$1,500,000	\$12,737,979
Lease Agreements - TBD	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$6,787,979	\$1,200,000	\$1,750,000	\$1,500,000	\$1,500,000	\$12,737,979
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Federal Grants & Project Contingency

This project creates spending authority for grants or other funding that may become available during the fiscal year. It also provides contingent budget appropriation for mid-year project increases.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number	Estimated Start			Estimated Completion		
6009860	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Federal Grants	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
Total	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Grand Canal Multi-Use Path Connection (MUP) and Extension Project

Recognizing the state of the Transit Fund and prior projects that were eliminated due to a variety of issues, staff discussed this project and and felt it should be advanced for the following reasons: 1) The project will provide safer bike and pedestrian access along Priest Drive, Mill Avenue and Washington Street;. 2) the Grand Canal Connection and Extension project will provide links to regionally significant Grand Canal Multi-use Path (MUP), the Rio Salado North Bank MUP, the Crosscut Canal MUP, and the recently completed Phoenix Grand Canal MUP; and 3) provide better ADA accessibility and connection between the MUPs and access to one of the most visited designation in Arizona, the Tempe Town Lake. The connection will provide safer bicycle and pedestrian street access. Priest Drive, one of the region's significant bicycle routes for recreation and work, also carries high automobile volumes, creating potential conflicts between modes. Completing the project will provide connections to the MUPs and will encourage the use of alternative commute modes for work and play. The project will include 10' wide concrete shared-use path, widened sidewalks. lighting, landscaping, and art features and connect the Tempe and Phoenix Grand Canal MUP and the bike lanes at 56th Street. The project will also improve the crossing at Priest Drive and the Loop 202 freeway ramps, widen the east sidewalk along Priest Drive all the way to Washington Street, and improve the sidewalk along Mill Avenue under Loop 202 to the Tempe Town Lake. The project includes a signalized bicycle and pedestrian crossing at Mill Avenue north of Washington Street connecting Crosscut Canal to the Tempe and Phoenix Grand Canal MUPs and to the Town Lake. The shared use path, the sidewalk and all the features will be designed and constructed in compliance with ADA/MUTCD/AASHTO guidelines. The project is funded with CMAQ grants of \$372,485 for design and \$1,932,429 for construction. The required Tempe match is \$22,515 for design and \$116,806 for construction.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
6008979	1/1/2018			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$18,000	\$0	\$0	\$18,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$53,000	\$0	\$0	\$53,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$372,485	\$0	\$206,000	\$0	\$0	\$578,485
Survey / Staking	\$0	\$0	\$14,000	\$0	\$0	\$14,000
Inspection & Construction Management	\$0	\$0	\$96,000	\$0	\$0	\$96,000
Geotech / Material Testing	\$0	\$0	\$14,000	\$0	\$0	\$14,000
Contingency	\$0	\$0	\$137,000	\$0	\$0	\$137,000
Construction / Installation / Improvement	\$0	\$0	\$1,370,000	\$0	\$0	\$1,370,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$137,000	\$0	\$0	\$137,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$277,208	\$0	\$4,235	\$0	\$0	\$281,443
Total	\$649,693	\$0	\$2,049,235	\$0	\$0	\$2,698,928
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$277,208	\$0	\$116,806	\$0	\$0	\$394,014
Federal Grant -CMAQ - Design	\$372,485	\$0	\$0	\$0	\$0	\$372,485
Federal Grant -CMAQ - Construction	\$0	\$0	\$1,932,429	\$0	\$0	\$1,932,429
Total	\$649,693	\$0	\$2,049,235	\$0	\$0	\$2,698,928
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Light Rail Capital Maintenance - State of Good Repair

The purpose of this project is to allocate funding to the light rail system and ancillary support systems like the Tempe Park and Ride lots along the light rail line. As the regional rail system has matured it is vital to maintain it in good working order. This project is in compliment to the operations costs for the regional rail system, but is separated out to quantify the capital maintenance costs. The rail cities of Mesa, Tempe and Phoenix will share these costs based upon the share of miles in each city. Additionally this project is to serve as the asset maintenance costs related to Tempe's Park and Rides (Dorsey, McClintock and Price) for the rail system. Upcoming expenditures for Park and Rides include significant asset maintenance of the parking structure at McClintock, which will be cost-shared with the mutli-family development on site.



Project Priority Type		
Asset Preservation		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number		Estimated Start			Estimated Completion	
6010019		7/1/2020			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,690,152	\$500,000	\$500,000	\$500,000	\$500,000	\$3,690,152
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,690,152	\$500,000	\$500,000	\$500,000	\$500,000	\$3,690,152
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$1,690,152	\$500,000	\$500,000	\$500,000	\$500,000	\$3,690,152
Total	\$1,690,152	\$500,000	\$500,000	\$500,000	\$500,000	\$3,690,152
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

North South Rail Spur Multi-Use Path Phase 1

This project involves the design and construction of 3 miles of a shared-use path adjacent to the existing freight rail line travelling north and south in Tempe from University Drive to Baseline Road. The project involves constructing a 10-foot minimum path with lighting and landscaping, street crossing treatments and other amenities and will include ADA Transition Plan identified repairs related to street crossings. The project was originally explored with a \$65,000 MAG grant for an 8-mile concept design from Tempe Beach Park to Knox Road along the UPRR spur line. The project will include a public outreach component, and is identified in the Tempe General Plan 2040 and Transportation Master Plan. It is part of the expansion of transportation alternatives to decrease dependency on the private automobile. The project has been requested by several businesses and neighborhoods and has already had some portions built through agreements with private business. Construction of the project is funded with \$2,315,065 federal, \$458,738 Transit Tax and \$36,754 Impact Fees. Due to several issues encountered as the project started design, a deferral has been requested and construction has been pushed to FY22/23 while staff explores alternative designs that remove the need to construct the path within the UPRR right-of-way.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
6007089	7/1/2020			1/15/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$403,479	\$0	\$0	\$0	\$0	\$403,479
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$2,810,557	\$0	\$0	\$0	\$2,810,557
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$403,479	\$2,810,557	\$0	\$0	\$0	\$3,214,036
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$403,479	\$458,738	\$0	\$0	\$0	\$862,217
Federal Fund-CMAQ-Approved	\$0	\$2,315,065	\$0	\$0	\$0	\$2,315,065
Development Impact Fees	\$0	\$36,754	\$0	\$0	\$0	\$36,754
Total	\$403,479	\$2,810,557	\$0	\$0	\$0	\$3,214,036
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Pathway Capital Maintenance

This project provides ongoing funding for repair, replacement and installation of concrete, lighting, safety features (e.g. netting), seating, signage, landscaping and irrigation, bridges, signals and any other needed element for the 40+ miles of pathway along canals, railroads/utility corridors, rivers and other locations. Pathways exist along the El Paso Gasoline, Rio Salado, Indian Bend Wash, Railroad, some street alignments (e.g. Knox Road) and the Grand, Crosscut, Western, Highline, Tempe, and Kyrene canals. Multiple bicycle/pedestrian bridges, including over area freeways, are included in this project. Upcoming significant path improvements are programmed for the 6-mile Western Canal Path, 1-mile of the El Paso Path, the 2.5 mile Indian Bend Wash Path and 2 mile Kyrene Path. All pathway repair and improvements include ADA compliance, conversion to LED lighting, arid land landscaping, and support for the city's efforts to provide comfortable and convenient use non-motorized transport.



Project Priority Type		
Asset Preservation		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number		Estimated Start			Estimated Completion	
6005249		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$6,355,090	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,355,090
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$6,355,090	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,355,090
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$6,355,090	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,355,090
Total	\$6,355,090	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,355,090
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Scottsdale Road Bicycle and Pedestrian Improvement Project

The proposed project will provide continuous bike lanes on a 1.25 mile segment of Scottsdale Road between Curry Road and Continental Drive connecting existing bike lanes in the City of Scottsdale with the existing bike lanes at Curry Road. The project will also include improved signage, pedestrian lighting, ADA sidewalk (including repairs identified in the Transition Plan) and crossing improvements. The reconfiguration of the roadway will add designated travel lanes for cyclists in both directions and will add visibility and awareness for all users of the road. The 1.25 mile segment of arterial roadway will maintain the existing configuration of six traffic lanes, retain the existing dedicated left-turn pocket at intersection approaches, and the landscaped medians. Curb and medians will be reconstructed to accommodate the bike lanes. The high and increasing volume of automobile traffic and pedestrian and bike incidents identifies this segment of Scottsdale Road as requiring safety improvements. This project directly responds to growing safety concerns related to lack of bike lane facilities and low pedestrian visibility at night on a high-volume corridor that connects to several regional bike networks. The construction date was moved to accommodate ADOT's schedule and provide adequate time for the preparation of the archaeological investigation as required for the environmental report of the project. The project is identified in the Tempe Transportation Master Plan and supports the sustainability goals of the City of Tempe. The project also supports the fulfillment of the 20 Minute City as identified in the Tempe General Plan.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
6009749	7/1/2019			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$13,000	\$0	\$0	\$13,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$37,000	\$0	\$0	\$37,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$10,000	\$0	\$143,000	\$0	\$0	\$153,000
Survey / Staking	\$0	\$0	\$10,000	\$0	\$0	\$10,000
Inspection & Construction Management	\$0	\$0	\$67,000	\$0	\$0	\$67,000
Geotech / Material Testing	\$0	\$0	\$10,000	\$0	\$0	\$10,000
Contingency	\$0	\$0	\$95,000	\$0	\$0	\$95,000
Construction / Installation / Improvement	\$138,944	\$0	\$950,648	\$0	\$0	\$1,089,592
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$95,000	\$0	\$0	\$95,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$58,100	\$0	\$0	\$58,100
Total	\$148,944	\$0	\$1,478,748	\$0	\$0	\$1,627,692
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$148,944	\$0	\$222,000	\$0	\$0	\$370,944
Federal Fund-CMAQ	\$0	\$0	\$1,256,648	\$0	\$0	\$1,256,648
Total	\$148,944	\$0	\$1,478,648	\$0	\$0	\$1,627,592
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Transit Tax Funded Projects Archaeological Contingency Fund

The Transportation Division currently has several projects underway and planned that have been identified as needing possible archeological mitigation. Given the unknowns related to the archeological process and difficulties in calculating costs, this project provides funding for unforeseen expenses related to historical and archaeological studies and potential remediation for all Transit Tax funded capital improvement projects



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
6009759	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

TTC - Facility Asset Maintenance (Transportation Center)

This project involves the ongoing repair and replacement needs for the Tempe Transportation Center in accordance with the Transit Asset Management plan as required by the Federal Transit Administration. The facility is the downtown Tempe bus and rail center with 11 bus and Orbit routes and a light rail station converge for rider convenience. Bus shelters, landscaping, seating and other amenities are included in the public amenities. The TTC additionally houses Transportation Division staff, other city personnel, multiple leasing partners, a green roof, a Transit Store for public information and ticket sales and public restrooms. The TTC operates as nearly a 24 hour facility, every day of the year as a public facility with high volumes of users and activity. Built in 2008 as a green building, the facility is now entering the asset management phase of it's life cycle. Upcoming years of maintenance and asset preservation are to keep the entire facility in good working order and include: LED lighting conversion, continued upkeep of all systems, and other safety (OSHA) compliance efforts. All modifications and upkeep to the building include an effort toward improving sustainable practices. Annual lease agreements with tenants help to offset costs to the facility.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6006099	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$3,276,577	\$400,000	\$400,000	\$400,000	\$400,000	\$4,876,577
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,276,577	\$400,000	\$400,000	\$400,000	\$400,000	\$4,876,577
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$3,276,577	\$400,000	\$400,000	\$400,000	\$400,000	\$4,876,577
Total	\$3,276,577	\$400,000	\$400,000	\$400,000	\$400,000	\$4,876,577
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

University Drive & Regional Light Rail/McAllister Grade Separation

This project is the design and eventual construction of a grade separation crossing of the light rail over University Drive and over Rural Road. The project includes coordination with adjacent developments, including ASU. The project also includes the elevation of the Rural & University light rail station and extensive coordination with the Federal Transit Administration, city of Phoenix and Valley Metro. The intersection of the Rural and University has been identified in the Regional Rail Travel Time Study as the highest delay intersection in the regional rail system so this project would help minimize delay for transit riders, as well as to help at grade street traffic. Additionally the project is part of the ASU and Tempe Small Area Transportation Study "big ideas" package to improve overall traffic flow in the downtown Tempe/ASU areas. Project construction funding has been submitted as a potential Prop400E project and would likely require federal aid to complete.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.29 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Overall Satisfaction with Transit System in Tempe" greater than or equal to 80% as measured by the City of Tempe Transit Survey.

Project Number	Estimated Start			Estimated Completion		
6008989	7/1/2018			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$296,125	\$0	\$0	\$0	\$0	\$296,125
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$296,125	\$0	\$0	\$0	\$0	\$296,125
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Transit Tax	\$296,125	\$0	\$0	\$0	\$0	\$296,125
Total	\$296,125	\$0	\$0	\$0	\$0	\$296,125
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

General Purpose Program

General Purpose projects total \$139.4 million in FY 2021/22 and account for 42% of the FY 2021/22 appropriated CIP budget



The General Purpose component of the Capital Improvements Program includes Police Protection, Fire Protection, Storm Drains, Park Improvements, and General Governmental programs. Combined, they constitute \$139.4 million of the \$335.9 million Capital Improvements Budget for FY 2021/22.

The majority of the funding for the five program areas above is to be provided by the planned issuance of \$64.7 million of general obligation bonds. The balance is funded from pay as you go contributions from various City operating funds, existing project fund balances, and other outside revenue.

Major areas of emphasis in FY 2021/22 include various repair and replacement projects for parks infrastructure, continued improvements to the City's regional radio system, and numerous capital asset repair and replacement projects for municipal buildings.

Fire Program

FY 2021/22-FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Emergency Medical Transportation Station Renovations	5609639	General Obligation Bonds	120,342	-	120,342	-	-	-	-	120,342
		Emergency Medical Transportation Fund	700,000	-	700,000	-	1,400,000	-	-	2,100,000
		Project Total	820,342	-	820,342	-	1,400,000	-	-	2,220,342
Fire Medical Rescue Station Location Study	5610049	Capital Projects Fund Balance	50,000	-	50,000	-	-	-	-	50,000
Fire Medical Rescue Apparatus Replacement	5603619	General Obligation Bonds	3,249,639	940,000	4,189,639	2,300,000	1,400,000	700,000	700,000	9,289,639
Fire Medical Rescue Facilities Threat Mitigation	5609739	General Obligation Bonds	256,831	-	256,831	-	-	-	-	256,831
Fire Medical Rescue SCBA Compressor Upgrade	5610059	General Obligation Bonds	108,400	-	108,400	-	-	-	-	108,400
Fire Medical Rescue Station #2	5610069	General Obligation Bonds	1,452,000	10,000,000	11,452,000	-	-	-	-	11,452,000
Fire Medical Rescue Station Renovations	5610329	General Obligation Bonds	-	1,132,000	1,132,000	-	-	-	1,000,000	2,132,000
Fire Medical Rescue Support Services Apparatus Shop Heavy Equipment	N/A	General Obligation Bonds	-	-	-	-	115,000	-	-	115,000
Fire Medical Rescue Training Center Facilities	5610339	General Obligation Bonds	-	15,000	15,000	1,218,000	-	-	-	1,233,000
<u>Fire Station 3</u>	N/A	General Obligation Bonds	-	-	-	-	-	1,452,000	-	1,452,000
		Cash - America Relief Plan	-	-	-	-	-	-	10,000,000	10,000,000
		Project Total	-	-	-	-	-	1,452,000	10,000,000	11,452,000
<u>Fire Station 8</u>	N/A	General Obligation Bonds	-	-	-	-	-	1,452,000	-	1,452,000
Renovate City's Emergency Operations Center	5607539	General Obligation Bonds	107,792	-	107,792	-	-	-	-	107,792
Fire Protection Program Total			6,045,004	12,087,000	18,132,004	3,518,000	2,915,000	3,604,000	11,700,000	39,869,004

Capital Improvements Program

Emergency Medical Transportation Station Renovations

The City's emergency medical transportation (ambulance) service is currently provided by four full time ambulance crews and ambulances operating out of Fire Medical Rescue (FMR) stations 1, 2, 4 and 6. The first two ambulances were placed in service on October 30, 2017 at stations 1 and 6 which already maintained accommodations to house the ambulance personnel as well as the vehicles. Minimal renovations to accommodate the City's third and fourth crews and ambulances were completed at fire stations 2 and 4 in December of 2018.

This project was originally funded to renovate fire station 5 to accommodate a fifth ambulance crew and vehicle and add one additional bedroom to better accommodate FMR personnel already operating out of the station. Due to a reduction in funding, this project has been divided into two phases. The first phase of the project will build two dorms to house the ambulance crew that will later be converted back to office space that was originally part of the larger project. The new, phased project is currently in the design phase. Completion of the renovations were planned for FY 19-20 but are now anticipated to continue into FY 21-22; accordingly, project funding is requested for re-appropriation. The positions for the fifth ambulance crew were approved via a FY 2019-20 operating budget supplemental; however, the personnel will not be hired until the station 5 phase one renovations are completed. The additional ambulance has been purchased and delivered.

FMR plans to grow the City ambulance service to a total of six crews within the next few years. A November 2018 ambulance deployment study indicates deploying ambulances at Tempe fire stations 1 through 6 is the optimal model for achieving response times required under the City's Certificate of Necessity (CON).



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities

1.03 Achieve total time from Tempe Fire Medical Rescue's (TFMR) contact with patient to transfer of care to the hospital for stroke and heart attack patients of less than or equal to national standards as established by the American Heart Association.

Project Number	Estimated Start			Estimated Completion		
5609639	7/1/2019			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$12,000	\$0	\$0	\$12,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$34,000	\$0	\$0	\$34,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$88,079	\$0	\$50,000	\$0	\$0	\$138,079
Survey / Staking	\$0	\$0	\$9,000	\$0	\$0	\$9,000
Inspection & Construction Management	\$0	\$0	\$66,000	\$0	\$0	\$66,000
Geotech / Material Testing	\$0	\$0	\$9,000	\$0	\$0	\$9,000
Contingency	\$0	\$0	\$94,000	\$0	\$0	\$94,000
Construction / Installation / Improvement	\$732,263	\$0	\$938,000	\$0	\$0	\$1,670,263
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$94,000	\$0	\$0	\$94,000
ITD / Telecommunications	\$0	\$0	\$94,000	\$0	\$0	\$94,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$820,342	\$0	\$1,400,000	\$0	\$0	\$2,220,342
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$120,342	\$0	\$0	\$0	\$0	\$120,342
Emergency Medical Transportation Fund	\$700,000	\$0	\$1,400,000	\$0	\$0	\$2,100,000
Total	\$820,342	\$0	\$1,400,000	\$0	\$0	\$2,220,342
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Station Location Study

This project originally included funding for a fire station location study and assessment of existing facilities. The fire station location study was completed and presented to Council in 2015. The 2015 study was intended to provide the City with a strategic plan for delivery of emergency services through 2024. Since the completion of the 2015 study the department has engaged in various ad-hoc reports which include the delivery of emergency transportation services and the feasibility of a low acuity unit.

The original report did not capture several of the high-density projects which have been built or planned since 2015. The increase in anticipated density and future development will result in increased workload, response times and decreased reliability.

The primary purpose of this study update is to maximize the TFMRD resources for deployment to emergency incidents. This study will incorporate present and anticipated demographic changes to enable the City to make educated strategic decisions on deployment of TFMRD resources. The study timeline will be planned to coincide with the City's General Plan 2040.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

Project Number	Estimated Start			Estimated Completion		
5610049	7/1/2020			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Apparatus Replacement

The purpose of this project is to replace fire emergency response apparatus that have been identified for replacement based on the department's evaluation criteria of 10 years of use and mileage exceeding 120,000 miles for Engine Pumpers/Ladder Tenders and approximately 15 years and 120,000 miles for Aerial Platform Ladders. However, in addition to those benchmarks an annual apparatus service report is evaluated examining, yearly maintenance costs, yearly in-service use and excessive out of service time allowing the department to identify total operating costs related to capital costs. Thus, allowing the department to keep the apparatus operational until the operating costs exceeds the capital costs.

Existing project budget to be re-appropriated to FY 2021-22 provides funding for the scheduled replacement of an Aerial Platform Ladder Truck, two Engine Pumpers and a Hazardous Materials truck.

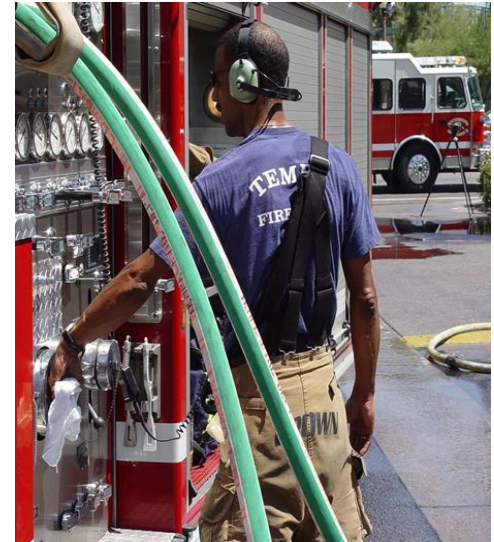
New project funding for FY 2021-22 provides for the scheduled replacement of an Engine Pumper.

FY 2022-23 project funding provides for the scheduled replacement of an Engine Pumper and Aerial Platform Ladder Truck.

FY 2023-24 project funding provides for the scheduled replacement of one Engine Pumper and a Ladder Tender.

FY 2024-25 project funding provides for the scheduled replacement of one Engine Pumper.

FY 2025-26 project funding provides for the scheduled replacement of one Engine Pumper and one Special Operations Support Vehicle.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

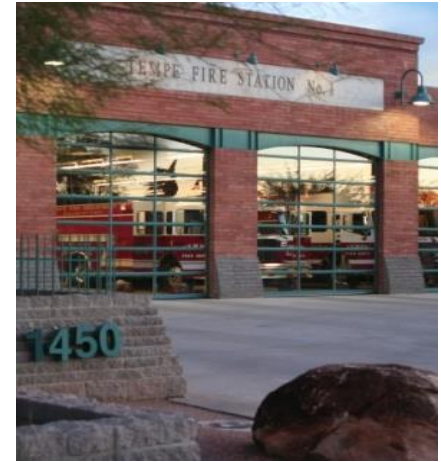
Project Number	Estimated Start			Estimated Completion		
5603619	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$4,189,639	\$2,300,000	\$1,400,000	\$700,000	\$700,000	\$9,289,639
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,189,639	\$2,300,000	\$1,400,000	\$700,000	\$700,000	\$9,289,639
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$4,189,639	\$2,300,000	\$1,400,000	\$700,000	\$700,000	\$9,289,639
Total	\$4,189,639	\$2,300,000	\$1,400,000	\$700,000	\$700,000	\$9,289,639
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Facilities Threat Mitigation

The primary purpose of this project is to enhance the protection and security measures of the TFMR Fire Stations. The Department of Homeland Security identifies fire departments and fire stations as critical infrastructure for the purpose, of providing emergency services. Specifically, this request would allow for the installation and enhancement of station security by adding fencing/gates and security equipment to TFMR facilities. Based on the recommendations and safety concerns identified in the Tempe Safety Assessment and utilizing the best practices of NFPA 730 (Guide for Premises Security) and the 2018 FEMA report by the US Fire Administration, "Safety and Health Considerations for the design of Fire and Emergency Medical Services Stations", gates/fencing and security equipment would enhance the protection of the critical equipment and infrastructure, making Tempe a safer community.

Funding for this project request includes the reallocation of the remaining unspent FY 20-21 appropriations from the completed Fire Station 7 project.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.05 Achieve ratings for responses to "When it comes to the threat of crime, how safe do you feel in your neighborhood?" between 80 and 100 on a scale of 0 (not safe at all) to 100 (completely safe) greater than or equal to the top ten percent of national benchmark cities as measured by the monthly Police Sentiment Survey.

Project Number	Estimated Start			Estimated Completion		
5609739	7/1/2019			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$30,820	\$0	\$0	\$0	\$0	\$30,820
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$226,012	\$0	\$0	\$0	\$0	\$226,012
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$256,831	\$0	\$0	\$0	\$0	\$256,831
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$256,831	\$0	\$0	\$0	\$0	\$256,831
Total	\$256,831	\$0	\$0	\$0	\$0	\$256,831
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue SCBA Compressor Upgrade

The purpose of this project is to repair/replace compressed breathing air systems which have expired their operational life and/or need extensive overhaul or repairs. These compressed breathing air systems are used to refill Self Contained Breathing Apparatus (SCBA) bottles / tanks. SCBA are used to protect members against various exposures in hazardous environments that increase or displace the oxygen or in toxic environments.

TFMR currently has 3 compressed breathing air systems listed as assets. Two of the units need replacement and or/considerable overhaul. The first unit is over 24 years old and is a refurbished unit that is currently utilized at the TFMR Joint Training Center. The training center unit is past the life of operation. The manufacturer no longer sells parts or equipment for the unit as they say it has expired its lifespan. This unit will require replacement. The training center system is critical to daily department operations. The unit provides refill capability during training that requires the use of SCBA.

The second unit has been in service for over 12 years at TFMR Support Services SCBA repair shop and is in need of significant repair. This unit is currently used as the primary fill station for the department's SCBA bottles. Without repair of this unit TFMR daily operations will be negatively impacted due to a significant reduction in SCBA refill capacity. Both units are critical assets needed to support the department's operations.

This request is being submitted strictly to accommodate the remote possibility of requiring funds to be reappropriated to FY 2021-22.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5610059	7/1/2020			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$108,400	\$0	\$0	\$0	\$0	\$108,400
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$108,400	\$0	\$0	\$0	\$0	\$108,400
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$108,400	\$0	\$0	\$0	\$0	\$108,400
Total	\$108,400	\$0	\$0	\$0	\$0	\$108,400
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Station #2

This project builds a new fire station on the property of the existing Fire Station 2. In early 2016, as an addendum to the original station location study, TFMR procured an architectural design report to evaluate Station #2 for an extensive renovation and remodel. The architectural firm explored several design concepts using the existing buildings, however functionality of the station remained compromised when compared to a new facility design. The architect's professional opinion found the station to be past its useful life and supported developing a new facility rather than a renovation. Due to the age and design of the building (built in 1971) there are many inherent structural and functional shortcomings with the station. Also, as the department's Special Operations Section (located at Station #2) has required a more expanded role since 9-11, total operational requirements at the location have outgrown the facility.

The new facility will allow for better response from existing resources due to better functional configuration and will enable the department to adequately accommodate and provide ambulance services from the station in a manner that is not possible now due to a lack of current space.

Proposals regarding the requirement to incorporate sustainability elements for the new facility were requested in the design RFP and will be included in the architectural plans.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

Project Number		Estimated Start		Estimated Completion		
5610069		7/1/2020		12/31/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$96,000	\$0	\$0	\$0	\$0	\$96,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$278,000	\$0	\$0	\$0	\$0	\$278,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,078,000	\$0	\$0	\$0	\$0	\$1,078,000
Survey / Staking	\$72,000	\$0	\$0	\$0	\$0	\$72,000
Inspection & Construction Management	\$503,000	\$0	\$0	\$0	\$0	\$503,000
Geotech / Material Testing	\$72,000	\$0	\$0	\$0	\$0	\$72,000
Contingency	\$719,000	\$0	\$0	\$0	\$0	\$719,000
Construction / Installation / Improvement	\$7,188,000	\$0	\$0	\$0	\$0	\$7,188,000
Furnishings / Equipment	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$673,000	\$0	\$0	\$0	\$0	\$673,000
ITD / Telecommunications	\$673,000	\$0	\$0	\$0	\$0	\$673,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$11,452,000	\$0	\$0	\$0	\$0	\$11,452,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$11,452,000	\$0	\$0	\$0	\$0	\$11,452,000
Total	\$11,452,000	\$0	\$0	\$0	\$0	\$11,452,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Station Renovations

The purpose of this project is renovating the current bathrooms at station 1. The long-term intent of the project is to retrofit the current group showers at all TFMR stations which still do not have individual private showers. This would improve the privacy each member would have when taking a shower and improving the working conditions. These renovations would be in line with the recommendation for fire stations per the 2018 FEMA report by the US Fire Administration, "Safety and Health Considerations for the design of Fire and Emergency Medical Services Stations".

Currently three TFMR stations have group showers. Station 3 was built in 1974, Station 1 was built in 1998, and Station 6 was completed in 2004. All three station bathrooms have a single room shower with multiple shower heads. These showers do not provide individual privacy. In coordination with Facilities Maintenance this project will require some substantial reworking of the bathroom areas. Facilities is supportive of making the modifications to improve working conditions and is working with TFMR on plans to update the bathrooms at these stations.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
5610329		7/1/2021		12/31/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$10,000	\$0	\$0	\$0	\$8,000	\$18,000
Land Acquisition		\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$29,000	\$0	\$0	\$0	\$26,000	\$55,000
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$114,000	\$0	\$0	\$0	\$101,000	\$215,000
Survey / Staking	\$8,000	\$0	\$0	\$0	\$7,000	\$15,000
Inspection & Construction Management	\$53,000	\$0	\$0	\$0	\$47,000	\$100,000
Geotech / Material Testing	\$8,000	\$0	\$0	\$0	\$7,000	\$15,000
Contingency	\$76,000	\$0	\$0	\$0	\$67,000	\$143,000
Construction / Installation / Improvement	\$758,000	\$0	\$0	\$0	\$670,000	\$1,428,000
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$76,000	\$0	\$0	\$0	\$67,000	\$143,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,132,000	\$0	\$0	\$0	\$1,000,000	\$2,132,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,132,000	\$0	\$0	\$0	\$1,000,000	\$2,132,000
Total	\$1,132,000	\$0	\$0	\$0	\$1,000,000	\$2,132,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Support Services Apparatus Shop Heavy Equipment

TFMR Support Services Shop has been based out of its current location since 2011. Currently there are 3 sets of mobile column lifts used to raise the current fleet of apparatus. Based on the weight and size of these apparatus the industry standard of life of the mobile lifts are approximately 10-15 years. The purpose of this project is to replace the existing lifts.

In fiscal year 23/24 the project funding would account for 6 mobile column lifts to be replaced.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			12/31/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$115,000	\$0	\$0	\$115,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$115,000	\$0	\$0	\$115,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$115,000	\$0	\$0	\$115,000
Total	\$0	\$0	\$115,000	\$0	\$0	\$115,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Fire Medical Rescue Training Center Facilities

The first phase of this project is complete for the Skills Building repair which was in accordance with a structural evaluation conducted in 2012. Design work for the Burn Room Building is complete.

The Fire Training Center Burn Room building was built in 1993. The extensive use of this facility and the significant benefits derived from firefighter training, which directly impact the delivery of service to the community, has exceeded expectations. Because the building sustains incremental damage with each live fire training, the life of the building is limited. The Burn Room and Skills Tower are vital to firefighter safety because training in these facilities prepares firefighters for the real life situations they will encounter. A modern redesigned Burn Room Building will facilitate training on new and innovative techniques that enable quicker and safer mitigation of structure fires. Given the critical nature of this training for firefighter safety, it is essential that the burn room be kept in a functioning state.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
5610339		7/1/2022		6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$11,000	\$0	\$0	\$0	\$11,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$32,000	\$0	\$0	\$0	\$32,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$15,000	\$0	\$0	\$0	\$0	\$15,000
Survey / Staking	\$0	\$10,000	\$0	\$0	\$0	\$10,000
Inspection & Construction Management	\$0	\$70,000	\$0	\$0	\$0	\$70,000
Geotech / Material Testing	\$0	\$10,000	\$0	\$0	\$0	\$10,000
Contingency	\$0	\$100,000	\$0	\$0	\$0	\$100,000
Construction / Installation / Improvement	\$0	\$985,000	\$0	\$0	\$0	\$985,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$15,000	\$1,218,000	\$0	\$0	\$0	\$1,233,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$15,000	\$1,218,000	\$0	\$0	\$0	\$1,233,000
Total	\$15,000	\$1,218,000	\$0	\$0	\$0	\$1,233,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Station 3

This project entails reconstruction of the existing Fire Station 3. Due to the age and design of the 1974 structure there are many structural, functional, and health issues with the station. Additionally, as the department's apparatus deployment has changed over time to meet a more expanded role, the operational requirements of the station have outgrown the facility. The 2019 Facilities Master Plan characterized the site as limiting expansion potential and that the "constrained site may not be able to accommodate this need."

TFMR has also determined that optimal ambulance locations to meet response time requirements include Station 3's service area and that major renovations sufficient to make room for an ambulance crew and optimal fire apparatus deployment would not be possible on the current site without significant cost.

Reconstructing the station will allow for improved response times due to better station design, and configuration. The additional space will enable TFMR to accommodate an ambulance crew and provide emergency services from the station that are currently unavailable due to a lack of space.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$96,000	\$0	\$96,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$278,000	\$0	\$278,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$1,078,000	\$0	\$1,078,000
Survey / Staking	\$0	\$0	\$0	\$0	\$72,000	\$72,000
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$503,000	\$503,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$72,000	\$72,000
Contingency	\$0	\$0	\$0	\$0	\$719,000	\$719,000
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$7,188,000	\$7,188,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$100,000	\$100,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$673,000	\$673,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$673,000	\$673,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$1,452,000	\$10,000,000	\$11,452,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$1,452,000	\$0	\$1,452,000
Cash - America Relief Plan	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000
Total	\$0	\$0	\$0	\$1,452,000	\$10,000,000	\$11,452,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Station 8

This project entails the construction of an additional Fire Medical Rescue Station in North Tempe. The City entered into an agreement with ASU under which the University will provide approximately 1.5 acres of land for the site. The fire station location study completed in 2015 indicated an additional fire station in this area would be required in the future to maintain current service level standards in view of forecasted growth in calls for service.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			TBD		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$96,000	\$0	\$96,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$278,000	\$0	\$278,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$1,078,000	\$0	\$1,078,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$1,452,000	\$0	\$1,452,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$1,452,000	\$0	\$1,452,000
Total	\$0	\$0	\$0	\$1,452,000	\$0	\$1,452,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Renovate City's Emergency Operations Center

The Emergency Operations Center (EOC) is designated for the specific purpose of gathering city officials together to insure the continuity of operations during a manmade disaster, natural disaster, or any significant event impacting the City of Tempe.

This project modernizes the audio visual, communications and internet equipment and capabilities in the EOC. The project was completely vetted and approved by TISC but was halted do to activation of the EOC in March of 2020 in response to the COVID crisis. This request is being submitted strictly to accommodate the remote possibility of requiring funds to be reappropriated to FY 2021-22.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.11 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Feeling of Safety in City Facilities" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey and the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
5607539	7/1/2019			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$107,792	\$0	\$0	\$0	\$0	\$107,792
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$107,792	\$0	\$0	\$0	\$0	\$107,792
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$107,792	\$0	\$0	\$0	\$0	\$107,792
Total	\$107,792	\$0	\$0	\$0	\$0	\$107,792
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

General Governmental Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

New Project Requests are indicated by a blue background										
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Community Development										
5th & Farmer Parcel - City Tenant Space	6708239	General Obligation Bonds	500,000	-	500,000	-	-	-	-	500,000
Gonzalez-Martinez House Emergency Stabilization	6708249	Capital Projects Fund Balance	108,336	-	108,336	-	-	-	-	108,336
Historic & Cultural Guidance, Compliance & Inventory Program	6709819	Capital Projects Fund Balance	220,636	-	220,636	-	-	-	-	220,636
Community Development Total			828,972	-	828,972	-	-	-	-	828,972
Community Services										
Community Center Complex Master Plan	6709959	Capital Projects Fund Balance	143,942	-	143,942	-	-	-	-	143,942
Community Services Asset Restoration	6708269	General Obligation Bonds	195,603	594,500	790,103	858,000	475,000	200,000	290,000	2,613,103
Implementation of Community Center Complex Master Plan	N/A	General Obligation Bonds	-	-	-	-	-	-	1,800,000	1,800,000
Library Check Out and Sorter System	N/A	General Obligation Bonds	-	-	-	-	602,000	-	-	602,000
Library Landscape & Irrigation Implementation	6709829	General Obligation Bonds	102,987	2,100,000	2,202,987	-	-	-	-	2,202,987
Community Services Total			442,532	2,694,500	3,137,032	858,000	1,077,000	200,000	2,090,000	7,362,032
Economic Development										
Smith Innovation Hub Infrastructure Master Plan	6710099	Capital Projects Fund Balance	100,000	-	100,000	-	-	-	-	100,000
Economic Development Total			100,000	-	100,000	-	-	-	-	100,000
Engineering & Transportation										
City Facilities - Capital Design and Planning	N/A	General Obligation Bonds	-	-	-	-	-	4,300,000	23,200,000	27,500,000
Downtown Infrastructure - Asset Management	6704329	General Obligation Bonds	135,130	50,000	185,130	150,000	50,000	50,000	50,000	485,130
Downtown Safety Barrier Installation	6710379	General Obligation Bonds	-	299,000	299,000	156,000	600,000	-	-	1,055,000
Energy Conservation Program	6705179	General Obligation Bonds	41,568	275,000	316,568	275,000	200,000	175,000	175,000	1,141,568
		Cash - America Relief Plan	-	-	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
Project Total			41,568	275,000	316,568	1,275,000	1,200,000	1,175,000	1,175,000	5,141,568
Energy Efficiency and Renewable Energy Federal Grant Contingency	6709867	Federal Grants	-	3,000,000	3,000,000	-	-	-	-	3,000,000
Implementation of Downtown Improvements Plans	6708311	General Obligation Bonds	519,283	695,000	1,214,283	-	400,000	438,200	439,000	2,491,483
Solar Power Partnerships & Solar in City Facilities	6708369	General Obligation Bonds	350,000	300,000	650,000	150,000	200,000	200,000	200,000	1,400,000
Engineering & Transportation Total			1,045,981	4,619,000	5,664,981	1,731,000	2,450,000	6,163,200	25,064,000	41,073,181

General Governmental Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

				New 2021-22	2021-22 Total	Additional Projected Needs				Total 5-Year Program
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	Appropriation Request	Requested Appropriation	2022-23	2023-24	2024-25	2025-26	
Financial Services										
ADA Improvements - City Facilities	6709869	Capital Projects Fund								
		Balance	209,704	-	209,704	-	-	-	-	209,704
		General Obligation Bonds	-	480,000	480,000	480,000	480,000	480,000	480,000	2,400,000
		Project Total	209,704	480,000	689,704	480,000	480,000	480,000	480,000	2,609,704
Chilled Water Loop Repairs - Downtown City Buildings	6710109	Capital Projects Fund								
		Balance	32,144	-	32,144	-	-	-	-	32,144
		General Obligation Bonds	-	700,000	700,000	350,000	350,000	525,000	250,000	2,175,000
		Cash - America Relief Plan	-	783,000	783,000	-	-	-	-	783,000
		Project Total	32,144	1,483,000	1,515,144	350,000	350,000	525,000	250,000	2,990,144
City Facilities Small Scale Remodels	6708289	Capital Projects Fund								
		Balance	280,624	-	280,624	-	-	-	-	280,624
		General Obligation Bonds	-	343,000	343,000	287,000	321,000	220,000	230,000	1,401,000
		Project Total	280,624	343,000	623,624	287,000	321,000	220,000	230,000	1,681,624
City Hall Municipal Complex Improvements	6709519	Capital Projects Fund								
		Balance	2,942	-	2,942	-	-	-	-	2,942
		General Obligation Bonds	-	-	-	-	-	-	260,000	260,000
		Project Total	2,942	-	2,942	-	-	-	260,000	262,942
City Hall Municipal Complex Repairs	6710119	Capital Projects Fund								
		Balance	317,712	-	317,712	-	-	-	-	317,712
		General Obligation Bonds	-	2,200,000	2,200,000	-	-	-	-	2,200,000
		Cash - America Relief Plan	-	894,076	894,076	-	-	-	-	894,076
		Project Total	317,712	3,094,076	3,411,788	-	-	-	-	3,411,788
Downtown Civic Campus Master Plan Study (formerly Municipal Campus Site Master Plan Study)	6710149	Capital Projects Fund								
		Balance	260,000	-	260,000	-	-	-	-	260,000
Emergency Capital Repair	6799779	Capital Projects Fund								
		Balance	103,765	-	103,765	-	-	-	-	103,765
		General Obligation Bonds	-	375,000	375,000	325,000	325,000	325,000	325,000	1,675,000
		Project Total	103,765	375,000	478,765	325,000	325,000	325,000	325,000	1,778,765
Existing City Building Asset Management Program - Replacement & Repairs	6708849	Capital Projects Fund								
		Balance	2,717,914	-	2,717,914	-	-	-	-	2,717,914
		General Obligation Bonds	-	4,200,000	4,200,000	4,100,000	5,200,000	5,200,000	5,200,000	23,900,000
		Project Total	2,717,914	4,200,000	6,917,914	4,100,000	5,200,000	5,200,000	5,200,000	26,617,914
General Governmental Contingency	6709767	Cash/Grants/Other Funding	-	20,500,000	20,500,000	-	-	-	-	20,500,000
Historic Properties Building Maintenance	6706809	Capital Projects Fund								
		Balance	122,449	-	122,449	-	-	-	-	122,449
		General Obligation Bonds	-	219,000	219,000	282,000	138,000	138,000	138,000	915,000
		Project Total	122,449	219,000	341,449	282,000	138,000	138,000	138,000	1,037,449
Financial Services Total			4,047,254	30,694,076	34,741,330	5,824,000	6,814,000	6,888,000	6,883,000	61,150,330

General Governmental Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

						Additional Projected Needs				
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	2022-23	2023-24	2024-25	2025-26	Total 5-Year Program
Human Services										
Archeological/Historical/Environmental Phase I - City Owned Parcels	6710259	Capital Projects Fund Balance	1,200,000	-	1,200,000	-	-	-	-	1,200,000
Archeological/Historical/Environmental Phase II - City Owned Parcels	6710539	Capital Projects Fund Balance	-	1,500,000	1,500,000	-	-	-	-	1,500,000
Creation/Acquisition of a Non-congregate Shelter	N/A	Cash - America Relief Plan	-	-	-	-	-	-	5,900,000	5,900,000
Family Advocacy Center	6710279	Cash - America Relief Plan	-	487,150	487,150	-	-	-	-	487,150
Permanent Supportive Housing	6710549	General Obligation Bonds	-	3,500,000	3,500,000	750,000	750,000	750,000	-	5,750,000
		Federal Funding	-	26,000,000	26,000,000	-	-	-	-	26,000,000
		Rental Income	-	-	-	750,000	750,000	750,000	-	2,250,000
		Project Total	-	29,500,000	29,500,000	1,500,000	1,500,000	1,500,000	-	34,000,000
Human Services Total			1,200,000	31,487,150	32,687,150	1,500,000	1,500,000	1,500,000	5,900,000	43,087,150
Information Technology										
Citizen/Customer Relationship Management (CRM) System	N/A	General Obligation Bonds	-	-	-	100,000	940,000	-	-	1,040,000
Cybersecurity & Regulatory Compliance Program	6710129	General Obligation Bonds	20,000	635,000	655,000	815,000	1,040,000	1,040,000	1,040,000	4,590,000
Enterprise Asset Management	6709879	General Obligation Bonds	-	-	-	225,000	-	-	-	225,000
Enterprise Document Management	6710559	General Obligation Bonds	-	562,000	562,000	-	-	-	-	562,000
Enterprise Software Upgrades and Replacements	6708739	General Obligation Bonds	125,000	150,000	275,000	150,000	150,000	200,000	200,000	975,000
Integrated Case Management	6709889	General Obligation Bonds	375,000	-	375,000	-	-	-	-	375,000
Network Cabling Replacement	6710569	General Obligation Bonds	-	333,000	333,000	552,000	570,000	500,000	345,000	2,300,000
PeopleSoft Replacement	N/A	General Obligation Bonds	-	-	-	-	250,000	850,000	850,000	1,950,000
Public Internet Technology	6708299	General Obligation Bonds	20,000	143,000	163,000	348,700	287,500	150,000	165,500	1,114,700
Security Systems Upgrades	6707609	General Obligation Bonds	100,000	537,000	637,000	990,775	509,000	674,000	900,000	3,710,775
Team Technology Refresh (formerly Desktop Technology Refresh)	6707229	General Obligation Bonds	150,000	1,000,375	1,150,375	1,043,675	895,375	679,975	1,271,575	5,040,975
	6010499	Transit Fund	-	96,600	96,600	-	-	-	96,600	193,200
	3204021Z	Water / Wastewater Fund	25,000	-	25,000	-	-	249,900	-	274,900
		Project Total	175,000	1,096,975	1,271,975	1,043,675	895,375	929,875	1,368,175	5,509,075
Information Technology Total			815,000	3,456,975	4,271,975	4,225,150	4,641,875	4,343,875	4,868,675	22,351,550

General Governmental Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

			New 2021-22	2021-22 Total	Additional Projected Needs				Total 5-Year Program	
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	Appropriation Request	Requested Appropriation	2022-23	2023-24	2024-25		2025-26
Municipal Utilities										
Electric Vehicle Charging Stations	6709899	Capital Projects Fund								
		Balance	50,000	-	50,000	-	-	-	-	50,000
		General Obligation Bonds	50,000	40,000	90,000	40,000	40,000	100,000	100,000	370,000
Project Total			100,000	40,000	140,000	40,000	40,000	100,000	100,000	420,000
Fuel Tank Replacements	6708349	General Obligation Bonds	591,200	150,000	741,200	-	-	-	-	741,200
Municipal Utilities Total			691,200	190,000	881,200	40,000	40,000	100,000	100,000	1,161,200
Strategic Management & Diversity										
Wastewater Analytics Program Infrastructure	6710389	General Obligation Bonds	-	250,000	250,000	-	-	-	-	250,000
		Capital Projects Fund								
		Balance	-	200,000	200,000	-	-	-	-	200,000
Strategic Management & Diversity Total			-	450,000	450,000	-	-	-	-	450,000
General Governmental Total			9,170,939	73,591,701	82,762,640	14,178,150	16,522,875	19,195,075	44,905,675	177,564,415

Capital Improvements Program

5th + Farrmer Parcel - City Tenant Space

The funds will be used to offer to future tenants of the development at the 5th & Farmer Parcel for the purpose of preparing leasable tenant space. The funds likely will be used by tenants to install items such as: flooring, office, cabinetry, demising walls, air conditioning vent/duct work, fire protection sprinklers, etc. The funding will be needed until the tenant space is fully leased. We estimate a need to be able to offer \$50 per square foot to future tenants to be applied towards the build-out of approximately 16,000 s.f. of office and/or retail space.



Project Priority Type	
Customer Enhancements	
Primary City Council Priority and Performance Measure Addressed	
	Financial Stability & Vitality 5.01 Achieve ratings of "Very Satisfied" or "Satisfied" with the "overall level and quality of business services provided by the City of Tempe" greater than or equal to the national benchmark cities as measured in the Business Survey.

Project Number		Estimated Start			Estimated Completion		
6708239		1/3/2020			12/30/2021		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking		\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$0	\$0	\$0	\$0	\$0	\$0
Total		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None							

Capital Improvements Program

Gonzales-Martinez House Building Condition Assessment Report

Commission an architect knowledgeable in assessing historic adobe buildings to complete a building condition assessment report (BCAR) on the historic Gonzalez-Martinez House. Following completion of the BCAR, undertake necessary life safety improvements and emergency stabilization measures to protect the historic adobe building in accordance with recommendations provided by the assessing architect. Upon acquiring clear title to the Gonzalez-Martinez House, the City must assess the structural condition of the historic adobe home. Said assessment will identify issues, allow for a prioritization of repair / rehabilitation work, and ensure responsible stewardship of this highly significant historic resource. Post-assessment life safety improvements and emergency stabilization measures will ensure public health and safety and address any and all deferred maintenance issues are addressed so as to prevent further damage to the historic resource and / or loss of its structural integrity.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.11 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Feeling of Safety in City Facilities" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey and the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
6708249	7/1/2017			12/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$108,336	\$0	\$0	\$0	\$0	\$108,336
Total	\$108,336	\$0	\$0	\$0	\$0	\$108,336
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$108,336	\$0	\$0	\$0	\$0	\$108,336
Total	\$108,336	\$0	\$0	\$0	\$0	\$108,336
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Historic and Cultural Resources Guidance, Compliance, and Inventory Program

This is a request for funding to commission a comprehensive suite of historic and cultural resource management inventories and guidance documentation. This suite will include an archaeological guidelines document similar to that in place in Phoenix, blanket plans for archaeological treatment, canal testing, an archaeological monitoring and discovery plan, an historic preservation plan, and an updated survey and inventory of Tempe's historic resources. Per state and federal laws, the Tempe historic preservation ordinance, the Tempe historic preservation plan, the Certified Local Government intergovernmental agreement, and the intergovernmental agreement outlining responsibilities relating to the discovery human remains or funerary objects, the City of Tempe is obligated to sensitively manage its historic and prehistoric archaeological resources. No protocol for comprehensively reviewing potential impact to such resources currently exists. All City activities involving ground disturbing activities necessitate review. As such, the effort is Citywide in scope. Current operational practices preclude the City from fully executing its obligations in this area. As a result, current service levels fall below both expectations and requirements. Commissioning archaeological guidelines and blanket plans, an historic preservation plan, and an updated survey and inventory document will end the practice of contracting out for such documentation on a piecemeal, per-project basis and thereby result in a reduced project delays and longterm costs. Further, creation of a clear archaeological compliance protocol, followed by consistent and thorough execution of said protocol, will reduce the potential for non-compliant actions that can endanger Federal funding, jeopardize the City's relationship with tribal partners, and tarnish the City's brand.



Project Priority Type							
Customer Enhancements							
Primary City Council Priority and Performance Measure Addressed							
	Strong Community Connection	2.25 Achieve an average ratings of “Strongly Agree” or “Agree” that "City Services Adequately Support Employee’s Work-related needs” greater than or equal to 90% as measured in the Employee Survey.					
Project Number		Estimated Start		Estimated Completion			
6709819		9/30/2020		12/30/2022			
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking		\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$220,636	\$0	\$0	\$0	\$0	\$220,636
Total		\$220,636	\$0	\$0	\$0	\$0	\$220,636
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance		\$220,636	\$0	\$0	\$0	\$0	\$220,636
Total		\$220,636	\$0	\$0	\$0	\$0	\$220,636
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None							

Capital Improvements Program

Community Center Complex Master Plan

The 2019 Facilities Master Plan, performed by MAKERS Architecture and Urban Design, studied Tempe's existing facilities and recommended long-term and multi-faceted space use, and property investment strategies to ensure the city's high level of service to the Tempe Community.

This project advances one of the action items from the Facilities Master Plan related to Tempe Community Center Campus Site Planning. The project will perform an analysis of the functional and operational needs of the Community Center complex, including Human Services and Community Services functions. This project will prepare a site plan with recommendations on space utilization and recommend a plan for implementation.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.36 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City Services" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6709959	1/1/2020			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$143,942	\$0	\$0	\$0	\$0	\$143,942
Total	\$143,942	\$0	\$0	\$0	\$0	\$143,942
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$143,942	\$0	\$0	\$0	\$0	\$143,942
Total	\$143,942	\$0	\$0	\$0	\$0	\$143,942
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Community Services Asset Restoration

This project funds the repair, refurbishment or replacement of major equipment, infrastructure and sub-systems throughout Community Services facilities on a life cycle basis. This project is part of a continuous plan for preserving assets through rehabilitation (i.e., equipment, infrastructure, ADA compliance), ensuring sustainable recreational and cultural amenities for the community, addressing safety standards throughout facilities and programs and ensuring sustainable growth of programming. Projects include:

FY21/22: Community Centers life cycle replacement of furniture, countertops, cabinets, and video screens; Gymnasium storage units and basketball hoop winch/motor replacements; boat storage fencing and gates; replace soda fountain at KRC Concessions

FY22/23: Community Centers life cycle replacement of furniture, countertops, cabinets, video displays, fitness equipment and commercial kitchen appliances; exterior building signage; gymnasium floor resealing and basketball hoop winch/motor replacements; outdoor improvements to Corporate Area of Kiwanis Recreation Center; replace rowing barge; Library improvements in public copy center and replace furniture in program room

FY23/24: Community Centers life cycle replacement of furniture, countertops, cabinets, fitness equipment and commercial kitchen appliances; rowing shell replacement; gymnasium divider curtain motor; Kiwanis Recreation Center batting range replacement of netting and roof

FY24/25: Community Centers life cycle replacement of furniture, countertops, cabinets, fitness equipment and commercial kitchen appliances; Scoreboards at outdoor ballfields; Exterior signage for Kiwanis Recreation Center;

FY25/26: Community Centers life cycle replacement of furniture, countertops, cabinets, fitness equipment and commercial kitchen appliances; gymnasium divider curtain, wall padding, scoreboard and basketball hoop winch/motor replacement; boating program equipment;



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6708269	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$5,000	\$84,000	\$65,000	\$5,000	\$0	\$159,000
Furnishings / Equipment	\$130,500	\$724,000	\$388,000	\$195,000	\$0	\$1,437,500
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$654,603	\$50,000	\$22,000	\$0	\$290,000	\$1,016,603
Total	\$790,103	\$858,000	\$475,000	\$200,000	\$290,000	\$2,613,103
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$790,103	\$858,000	\$475,000	\$200,000	\$290,000	\$2,613,103
Total	\$790,103	\$858,000	\$475,000	\$200,000	\$290,000	\$2,613,103
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Implementation of Community Center Complex Master Plan

This project is jointly submitted by Human Services and Community Services. The 2019 Facilities Master Plan recommended that a Community Center Complex study be undertaken to analyze the functional and operational needs of the Human Services and Community Services functions and develop site planning for the Community Center complex. The Community Center Complex Master Plan will be finalized in 2021 and provides a phased implementation for building, renovating and relocating operations for the complex.

This CIP funding request will implement the recommendations from the Master Plan beginning with the design of a standalone Human Services building on the southeast corner of the complex in Year 5 (FY26). The 2019 Facilities Master Plan emphasizes the importance of a centralized Human Services location to consolidate services, increase efficiencies, and protect client confidentiality.

Future phases for the complex include remodeling and renovation of the Edna Arts building, Pyle Center and Library and expansion of the History Museum.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.34 PLACEHOLDER - Community Health & Well-Being

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$1,800,000	\$1,800,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$1,800,000	\$1,800,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$0	\$1,800,000	\$1,800,000
Total	\$0	\$0	\$0	\$0	\$1,800,000	\$1,800,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Library Check out and Sorter System

This project replaces the current Automated Materials Handling (AMH) system which was purchased in 2015 and will reach the end of its expected useful life in 2023. An AMH system is a holistic system that handles all steps of the materials handling process from check-out to check-in and includes components such as self-check stations, sorters, security gates and RFID work stations. Although the current system is not yet at the end of its expected useful life, the equipment has had multiple equipment failures with substandard resolution response from the vendor, causing additional burden on residents and staff to manually handle the materials. This CIP will purchase a new AMH system through a cooperative contract with the County.

Photo Coming Soon

Project Priority Type		
Asset Preservation		

Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.36 Achieve ratings of “Very Satisfied “or “Satisfied” with the “Quality of City Services” greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$602,000	\$0	\$0	\$602,000
Total	\$0	\$0	\$602,000	\$0	\$0	\$602,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$602,000	\$0	\$0	\$602,000
Total	\$0	\$0	\$602,000	\$0	\$0	\$602,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$0	\$1,788	\$1,788	\$3,576
Total	\$0	\$0	\$0	\$1,788	\$1,788	\$3,576

Capital Improvements Program

Library Landscaping and Irrigation Implementation

This project will implement the landscape and irrigation improvements of the Library Landscape Improvement Plan over several years. The improvements will include design and installation of a new irrigation system, trees, shrubs, plants and entry plaza.

The Library Landscape Improvement Plan also includes paving options to meet and improve access, ADA, and safety for pedestrians; modifications to planter walls and patios below grade to improve security, permanent shade structures at the entry to the library, and exterior electrical improvements. These items are not included in this landscape improvement project and will be a future funding request by Community Services.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.11 Achieve a citywide (City and private property) 25% tree and shade canopy by 2040.

Project Number	Estimated Start			Estimated Completion		
6709829	7/1/2020			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$2,100,000	\$0	\$0	\$0	\$0	\$2,100,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$102,987	\$0	\$0	\$0	\$0	\$102,987
Total	\$2,202,987	\$0	\$0	\$0	\$0	\$2,202,987
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$2,202,987	\$0	\$0	\$0	\$0	\$2,202,987
Total	\$2,202,987	\$0	\$0	\$0	\$0	\$2,202,987
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$51,133	\$61,133	\$61,133	\$61,133	\$61,133	\$295,665
Total	\$51,133	\$61,133	\$61,133	\$61,133	\$61,133	\$295,665

Capital Improvements Program

Smith Innovation Hub Infrastructure Plan

A Master Plan is requested for this area in support of Economic Development's capital investment and job creation performance measures. (5.03 and 5.02) The plan will study and make recommendations in a variety of areas such as: open space, bike/pedestrian paths, water, sewer, sidewalk/drainage, landscaping, and other transportation, sustainability, or safety related elements, etc. The Master Plan's scope will align with 4 of the 7 items to be accelerated in the City Council's START Tool results, including: traffic delays, right-of-way landscaping, climate action plan, and tree/shade canopy performance measures. In addition to the plan and it's phased implementation attracting new investment and jobs to the area in support of economic development performance measures, it will also support a number of other City performance measures such as: (1.05) Achieve ratings for responses to "When it comes to the threat of crime, how safe do you feel in your neighborhood?" , (3.26) Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs, (1.27) Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets, (5.01) Achieve ratings of "Very Satisfied" or "Satisfied" with the "overall level and quality of business services provided by the City of Tempe" greater than or equal to the national benchmark cities as measured in the Business Survey, (3.23) Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Landscape maintenance along streets/sidewalks" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey,

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Financial Stability & Vitality

5.03 Achieve an annual increase of capital investment that is twice Tempe's proportion of the capital investment forecasted for the region, based on population.

Project Number	Estimated Start			Estimated Completion		
6710099	10/1/2020			10/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Facilities - Capital Design and Planning

The City Facilities Master Plan study completed by Makers in 2019 identified the need for modernization of existing facilities and adding new facilities to address an aging facility portfolio and a growing community. The Makers study identified several potential new facilities and facilities to be modernized, however, planning studies needed to be completed in order to further refine facility and space needs and to determine replacement/modernization costs. As these planning studies are still in various stages of completion, the purpose of this project request is to serve as a "placeholder" for designated funding for the design and start of construction on a yet to be identified city facility. Based on the results of the planning studies, evaluation and input from the facilities committee, and City Council feedback, this project request will be refined in future years to reflect an actual facility and location that represents the highest priority for facility modernization or replacement.

Photo Coming Soon

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$4,300,000	\$0	\$4,300,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$23,200,000	\$23,200,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$4,300,000	\$23,200,000	\$27,500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$4,300,000	\$23,200,000	\$27,500,000
Total	\$0	\$0	\$0	\$4,300,000	\$23,200,000	\$27,500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Downtown Infrastructure - Asset Management

This project is for the asset management of downtown infrastructure including the repainting of light poles, traffic signal poles, replacement of internally illuminated street signs, and the life cycle replacement of the Mill Avenue Bridge string lights (currently scheduled in FY 2022/23).



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6704329	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$185,130	\$150,000	\$50,000	\$50,000	\$50,000	\$485,130
Total	\$185,130	\$150,000	\$50,000	\$50,000	\$50,000	\$485,130
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$185,130	\$150,000	\$50,000	\$50,000	\$50,000	\$485,130
Total	\$185,130	\$150,000	\$50,000	\$50,000	\$50,000	\$485,130
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Downtown Safety Barrier Installations

This project will provide for modular and permanent safety barriers in the downtown. This is part of an ongoing effort to enhance the City's ability to accommodate special events in the downtown and ensure the long-term safety of city buildings and infrastructure in the downtown. Modular safety barriers may include landscaped planter boxes that can be stored in the right-of-way and then relocated into the streets during special events. Permanent safety barriers could include steel or concrete bollards.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.11 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Feeling of Safety in City Facilities" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey and the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
6710379	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$3,000	\$2,000	\$5,000	\$0	\$0	\$10,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$8,000	\$4,000	\$0	\$0	\$0	\$12,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$50,000	\$150,000	\$0	\$0	\$0	\$200,000
Survey / Staking	\$2,000	\$0	\$5,000	\$0	\$0	\$7,000
Inspection & Construction Management	\$14,000	\$0	\$35,000	\$0	\$0	\$49,000
Geotech / Material Testing	\$2,000	\$0	\$5,000	\$0	\$0	\$7,000
Contingency	\$20,000	\$0	\$50,000	\$0	\$0	\$70,000
Construction / Installation / Improvement	\$200,000	\$0	\$500,000	\$0	\$0	\$700,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$299,000	\$156,000	\$600,000	\$0	\$0	\$1,055,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$299,000	\$156,000	\$600,000	\$0	\$0	\$1,055,000
Total	\$299,000	\$156,000	\$600,000	\$0	\$0	\$1,055,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

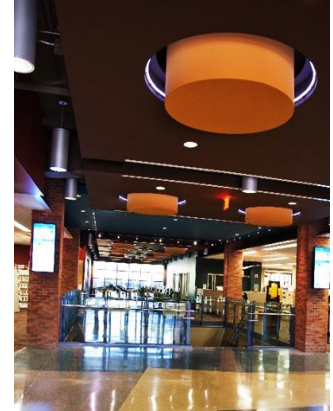
Capital Improvements Program

Energy Conservation

The goal of the City's energy management program is to reduce energy use and utility costs in city facilities and achieve the Council goal of carbon neutrality in city operations by 2050. This funding will continue the City's initiative of conducting energy audits, replacing inefficient lighting, air conditioning systems and mechanical equipment and reviewing additional ways to conserve and reduce electricity usage. To date, the city has achieved a reduction of 6% in municipal energy use. In addition, 10% of city facilities are powered with renewable energy, mostly from solar panels installed on city facilities. In 2009, total electricity expenses for all city operations was \$7.5 Million. Electricity costs were expected to increase to \$12.5 Million by 2020. Over the last 10 years, because of the City's sustainability initiatives, electricity expenses have remained at or below \$7.5 million per year.

The energy conservation program funds the following Energy Efficiency Upgrades, Energy Audits, and Re-commissioning of City Buildings:

FY2021-2022: Install LED lighting at various city facilities (\$75,000); Engineering and design for installing building controls at city facilities (\$75,000); Implementation of the second phase of building controls (\$50,000); Re-commissioning of the Library and up to 5 additional buildings (\$75,000); FY 2022-23: Work with energy services consultant to determine next energy investments; Install LED lighting at various city facilities (\$200,000); HVAC upgrades for up to 10 buildings (\$400,000); Initiate re-commissioning of up to 3 buildings and implement third phase of building controls (\$400,000); Implement energy conservation measures based on the previous year's energy audits and re-commissioning reports (\$75,000-175,000/year); FY 2023-24 & FY 2024-25: Implement projects listed in energy services consultant report. Install LED lighting at various city facilities (\$200,000); HVAC upgrades for up to 10 buildings (\$400,000); Implement fourth phase of building controls (\$400,000); FY2025-26: Implement energy conservation measures based on the previous year's energy audits and re-commissioning reports.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.19 Achieve the City Council goal of carbon neutrality in municipal operations by 2050 with a strategy of 100% renewable energy by 2035.

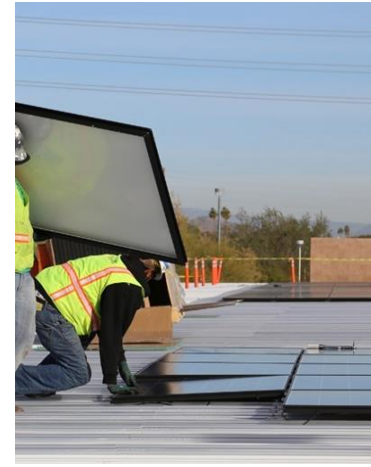
Project Number	Estimated Start			Estimated Completion		
6705179	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$316,568	\$1,275,000	\$1,200,000	\$1,175,000	\$1,175,000	\$5,141,568
Total	\$316,568	\$1,275,000	\$1,200,000	\$1,175,000	\$1,175,000	\$5,141,568
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$316,568	\$275,000	\$200,000	\$175,000	\$175,000	\$1,141,568
Cash - America Relief Plan	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000
Total	\$316,568	\$1,275,000	\$1,200,000	\$1,175,000	\$1,175,000	\$5,141,568
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Energy Efficiency & Renewable Energy Federal Grant Contingency

The Federal government plans to provide grant funding to cities and states for energy efficiency and renewable energy investments to reduce carbon emissions. This project is a placeholder should the city receive federal stimulus for energy projects. The City's 2019 Climate Action Plan, pending Sustainable Facilities Masterplan, Electric Vehicle Charging feasibility study and Asset Management Program list specific energy-efficiency and renewable energy projects that could be implemented in city facilities with federal grant funds. In addition, there are projects listed in the Solar Power Partnerships CIP and Energy Conservation CIP that could be built sooner than anticipated with additional federal funds.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.19 Achieve the City Council goal of carbon neutrality in municipal operations by 2050 with a strategy of 100% renewable energy by 2035.

Project Number	Estimated Start			Estimated Completion		
6709867	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Total	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Federal Grants	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Total	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Implementation of Downtown Improvements Plan

This project will be a phased implementation of the 2019 Downtown Improvements Plan, which incorporates the principles from several previous studies and prioritizes them for implementation. This is a coordinated, ongoing effort among several departments (Community Development, Community Services, Engineering and Transportation) as well as the Downtown Tempe Authority (DTA) and community stakeholders. Planned projects focus on safety, shade, walkability, and wayfinding, and have been prioritized and phased over approximately 10 years. Improvements include electrical upgrades; enhanced and festoon lighting; intersection improvements at Mill and 3rd, 4th, 6th, and 7th Streets; median improvements from Rio to University; up to four parklets/urban living rooms; up to five major and minor gateways/monuments; wayfinding signage and smart city technology; sidewalk/paver replacement/repairs; and trees and street furnishings. ADA elements and correction of other identified deficiencies are included in this project.

FY2021/22 projects include design of festoon lighting (\$50,000), construction of electrical upgrades (\$372,000), and construction of festoon lighting (\$150,000). Future projects will include construction of intersection improvements at Mill & 6th Street and design of additional projects that could include additional intersection improvements, median improvements, and urban living room treatments. Future years include additional design and construction projects.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.11 Achieve a citywide (City and private property) 25% tree and shade canopy by 2040.

Project Number	Estimated Start			Estimated Completion		
6708311	7/1/2019			On going		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$6,000	\$0	\$4,000	\$4,000	\$4,000	\$18,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$18,000	\$0	\$10,000	\$11,000	\$11,000	\$50,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$460,110	\$0	\$100,000	\$100,000	\$100,000	\$760,110
Survey / Staking	\$5,000	\$0	\$2,000	\$3,000	\$3,000	\$13,000
Inspection & Construction Management	\$37,000	\$0	\$17,000	\$19,000	\$19,000	\$92,000
Geotech / Material Testing	\$5,000	\$0	\$2,000	\$3,000	\$3,000	\$13,000
Contingency	\$52,000	\$0	\$24,000	\$27,000	\$27,000	\$130,000
Construction / Installation / Improvement	\$631,173	\$0	\$241,000	\$271,200	\$271,200	\$1,414,573
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$800	\$800
Total	\$1,214,283	\$0	\$400,000	\$438,200	\$439,000	\$2,491,483
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,214,283	\$0	\$400,000	\$438,200	\$439,000	\$2,491,483
Total	\$1,214,283	\$0	\$400,000	\$438,200	\$439,000	\$2,491,483
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Solar Power Partnerships & Solar in City Facilities

This project will help to accomplish the following objectives: increase the city's renewable energy portfolio and power city facilities with sustainable energy; utilize clean, renewable energy to offset/reduce non-renewable energy use in city facilities; and reduce the City's carbon footprint. Tempe currently has 4.14 MW of solar power at 9 city facilities, 6 of those were built through solar service agreements with a solar developer. In August 2019, SRP offered the City an additional 2.4 MW of utility-scale solar power from a 100 MW solar plant to be built in Eloy, Arizona in 2021. Council approved the agreement with SRP in October 2019. The utility-scale solar power will be designated to JGM Water Treatment Plant and South Water Treatment Plant. When the solar power plant is operational in December of 2021, the city will reach a milestone of 26% toward the 100% renewable energy goal. As the solar landscape is changing, staff is looking for new ways to develop solar projects in the city through partnerships with the local utility, ASU and the community. The future plan for solar installations in Tempe will include one or more of the following: (1) work with the utility on solar with battery storage to create a resilient energy hub at EnVision at Dorsey and Apache (2) purchase utility-scale renewable energy to power city facilities (3) collaborate with ASU and/or other cities on a solar project or renewable energy power purchase agreement, and 4) determine the feasibility of a community solar pilot project. The exact locations and technologies are still being assessed. Staff will work with the city's utility consultant, the utility, ASU, and community partners to help determine which sites over the next 5 years will provide triple bottom line benefits to the city including shaded public space and parking, clean energy and energy savings. To date, the City has achieved 10% towards Council's goal of providing 100% of city operations energy use with renewable energy sources by the year 2035.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.19 Achieve the City Council goal of carbon neutrality in municipal operations by 2050 with a strategy of 100% renewable energy by 2035.

Project Number	Estimated Start			Estimated Completion		
6708369	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$650,000	\$150,000	\$200,000	\$200,000	\$200,000	\$1,400,000
Total	\$650,000	\$150,000	\$200,000	\$200,000	\$200,000	\$1,400,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$650,000	\$150,000	\$200,000	\$200,000	\$200,000	\$1,400,000
Total	\$650,000	\$150,000	\$200,000	\$200,000	\$200,000	\$1,400,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

ADA Improvements - City Facilities

This project involves updating infrastructure not constructed to current ADA specifications and improving overall accessibility using the ADA Transition Plan. Phase III of the Transition Plan includes city Facilities and will identify and prioritize needed improvements. This project will establish a long-term plan for making city facilities more accessible. It is expected to be approximately \$300,00 - \$1 million in modifications at each facility. Projects already identified are the Tempe History Museum restrooms, upgrading fire alarms, correcting door/access issues, updating signage, and ensuring proper height requirements are met on interior facility assets.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

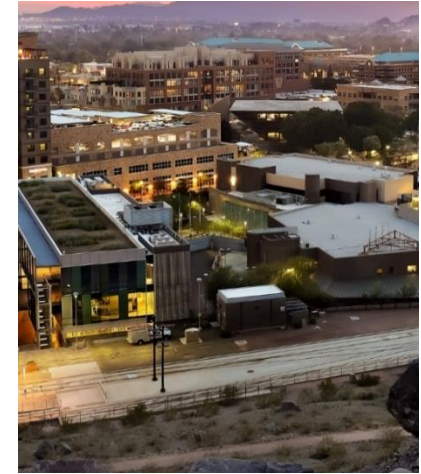
3.14 Achieve accessibility in all city rights-of-way, parks, and facilities as identified in the Tempe ADA Transition Plan.

Project Number	Estimated Start			Estimated Completion		
6709869	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$6,000	\$4,000	\$4,000	\$4,000	\$4,000	\$22,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$18,000	\$12,000	\$12,000	\$12,000	\$12,000	\$66,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$75,000	\$52,000	\$52,000	\$52,000	\$52,000	\$283,000
Survey / Staking	\$5,000	\$3,000	\$3,000	\$3,000	\$3,000	\$17,000
Inspection & Construction Management	\$35,000	\$24,000	\$24,000	\$24,000	\$24,000	\$131,000
Geotech / Material Testing	\$704	\$3,000	\$3,000	\$3,000	\$3,000	\$12,704
Contingency	\$50,000	\$35,000	\$35,000	\$35,000	\$35,000	\$190,000
Construction / Installation / Improvement	\$500,000	\$347,000	\$347,000	\$347,000	\$347,000	\$1,888,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$689,704	\$480,000	\$480,000	\$480,000	\$480,000	\$2,609,704
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$209,704	\$0	\$0	\$0	\$0	\$209,704
General Obligation Bonds	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	\$2,400,000
Total	\$689,704	\$480,000	\$480,000	\$480,000	\$480,000	\$2,609,704
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Chilled Water Loop Repairs - Downtown City Buildings

This CIP provides multi-year funding to make repairs and upgrades to an aging chilled water system for downtown city facilities. The chilled water system serves cooling to the following downtown buildings: Main PD/Courts Complex, 525 building, City Hall complex and TPAC/Old Performing Arts Building. Facilities initiated an assessment in an effort to plan for the upgrades, emergency planning and needed repairs to the Chilled Water Loop servicing the downtown city buildings. The age of existing systems is between 25 and 50 years old. Upon the initial assessment it was found that there is corrosion (Interior and Exterior), lack of valve isolation provisions, and incorrect piping material. This CIP continues the implementation of the crucial repairs and improvements needed to this system.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6710109	3/3/2019			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$25,000	\$0	\$25,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,515,144	\$350,000	\$350,000	\$500,000	\$250,000	\$2,965,144
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,515,144	\$350,000	\$350,000	\$525,000	\$250,000	\$2,990,144
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$32,144	\$0	\$0	\$0	\$0	\$32,144
General Obligation Bonds	\$700,000	\$350,000	\$350,000	\$525,000	\$250,000	\$2,175,000
Cash - America Relief Plan	\$783,000	\$0	\$0	\$0	\$0	\$783,000
Total	\$1,515,144	\$350,000	\$350,000	\$525,000	\$250,000	\$2,990,144
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Facilities Small Scale Remodels

This project funds small scale remodel projects. These projects maintain or update city buildings and allows the city to provide updates to facilities in order to enhance the current needs of the users.

Projects will be evaluated based on the project priority criteria: 1) Public Health and Safety; 2) Asset Preservation; 3) Customer Enhancements; and 4) System Expansion

Some of the projects planned include:

Community Development front entrance and lobby at City Hall - Design and Construction FY21/22;

KRC Restrooms Design and Remodel FY21/22; Westside Multi-Gen Center - update areas/rooms FY21/22; Pyle Remodel/Updates - FY21/22; Pyle breezeway door replacement - Design FY21/22 and Construction FY22/23; North Tempe Multi-Gen Center- Restroom Upgrades FY22/23



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

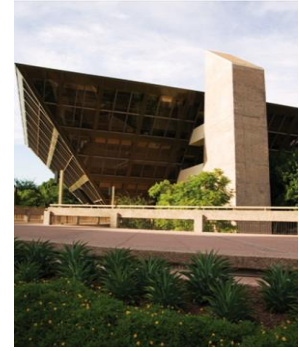
4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
6708289	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$48,624	\$37,000	\$41,000	\$29,000	\$30,000	\$185,624
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$575,000	\$250,000	\$280,000	\$191,000	\$200,000	\$1,496,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$623,624	\$287,000	\$321,000	\$220,000	\$230,000	\$1,681,624
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$280,624	\$0	\$0	\$0	\$0	\$280,624
General Obligation Bonds	\$343,000	\$287,000	\$321,000	\$220,000	\$230,000	\$1,401,000
Total	\$623,624	\$287,000	\$321,000	\$220,000	\$230,000	\$1,681,624
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Hall Municipal Complex Improvements

The City completed a space utilization analysis (MAKERS Facility Study), a facility condition and asset management assessment (FM Solutions Condition Assessment), and an Municipal Complex Modernization Plan. The studies included the condition and needs of the City Hall building including the Council Chambers, the West and East Garden Level Wings, and the City Hall Tower. The MAKERS study conducted a highest-and-best use analysis of the City Hall Complex and recommended the facility continue to function as the center of city government. The FM Solutions Condition Assessment, using a scale of Good, Fair, Poor, or Critical, categorized the Municipal Complex condition as "Poor" (FCI=28.27%). This CIP will use those studies and the Modernization Plan to improve the general condition of the City Hall building's public and office spaces with remodels and upgrades. Proposed phasing: (1) Council Chambers -COMPLETED (2) Modernization - \$260k Design in FY 25/26 (3) Modernization - Construction West Wing in FY 26/27



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
6709519	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$260,000	\$260,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$2,942	\$0	\$0	\$0	\$0	\$2,942
Total	\$2,942	\$0	\$0	\$0	\$260,000	\$262,942
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$2,942	\$0	\$0	\$0	\$0	\$2,942
General Obligation Bonds	\$0	\$0	\$0	\$0	\$260,000	\$260,000
Total	\$2,942	\$0	\$0	\$0	\$260,000	\$262,942
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Hall Municipal Complex Repairs

There have been several structural deficiencies at the City Hall Complex that are in need of repair. In FY19/20, during construction of the Council Chambers, it was discovered that the decking at City Hall is inadequate, creating safety concerns and water intrusion, and in need of replacement. To start addressing the repairs needed for the decking, it is estimated to cost approximately \$3.45M.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6710119	7/1/2018			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$326,000	\$0	\$0	\$0	\$0	\$326,000
Survey / Staking	\$20,288	\$0	\$0	\$0	\$0	\$20,288
Inspection & Construction Management	\$152,000	\$0	\$0	\$0	\$0	\$152,000
Geotech / Material Testing	\$22,000	\$0	\$0	\$0	\$0	\$22,000
Contingency	\$217,000	\$0	\$0	\$0	\$0	\$217,000
Construction / Installation / Improvement	\$2,170,000	\$0	\$0	\$0	\$0	\$2,170,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$504,500	\$0	\$0	\$0	\$0	\$504,500
Total	\$3,411,788	\$0	\$0	\$0	\$0	\$3,411,788
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$317,712	\$0	\$0	\$0	\$0	\$317,712
General Obligation Bonds	\$2,200,000	\$0	\$0	\$0	\$0	\$2,200,000
Cash - America Relief Pan	\$894,076	\$0	\$0	\$0	\$0	\$894,076
Total	\$3,411,788	\$0	\$0	\$0	\$0	\$3,411,788
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Downtown Civic Campus Masterplan Study (formerly Municipal Campus Site Masterplan Study)

In the Maker's Facilities Master Plan, April 2019, it was identified that a municipal complex site master plan should be developed. Based on their recommendations, to be included in the master plan, is identifying a location and build a new downtown municipal office building to accommodate non-seat-of-government city administrative functions with additional floors for near-term private leases and long-term city expansion. A downtown municipal office building would include relocating staff from the 525 Building, Orchid House, and City Hall Buildings. Maker's report states that current downtown campus is fractured and disorienting for city staff and the public. In addition, City Hall buildings are in poor condition and have significant functional problems which impede efficient work. Maker's notes that the downtown location of civic facilities is important to civic identity. The vacated properties at 525 and Orchid house could be leased or sold and the City Hall Garden Level space would be repurposed. This masterplan study was to begin in FY2020-21, but has been moved forward to start FY2021-22.



Project Priority Type						
Asset Preservation						
Primary City Council Priority and Performance Measure Addressed						
	Sustainable Growth & Development	4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.				
Project Number		Estimated Start		Estimated Completion		
6710149		7/1/2021		6/30/2022		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$260,000	\$0	\$0	\$0	\$260,000
Survey / Staking		\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$0	\$0	\$0	\$0	\$0
Total		\$260,000	\$0	\$0	\$0	\$260,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
Capital Projects Fund Balance		\$260,000	\$0	\$0	\$0	\$260,000
Total		\$260,000	\$0	\$0	\$0	\$260,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
None						

Capital Improvements Program

Emergency Capital Repair

This project funds major unplanned and emergency repairs to building assets across approximately 135 City facilities or 2 million square feet of City facilities. Each year the city experiences unplanned occurrences, including storm-related damage, property damage, sewer back-ups, flooding and electrical emergencies. The purpose of this CIP is to respond to emergencies at public facilities and buildings. Continued funding for repair and replacement of faulty equipment and infrastructure allows the city to maintain facilities in a safe manner. This CIP helps to cover unexpected repairs.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



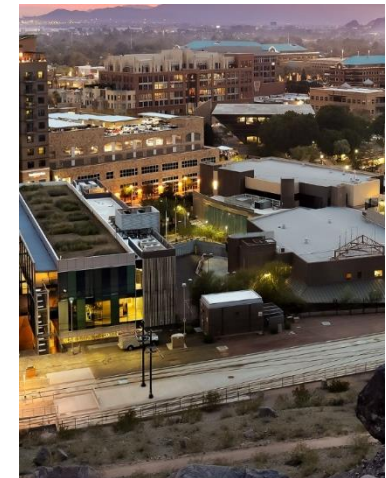
Safe & Secure Communities 1.11 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Feeling of Safety in City Facilities" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey and the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
6799779	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$478,765	\$325,000	\$325,000	\$325,000	\$325,000	\$1,778,765
Total	\$478,765	\$325,000	\$325,000	\$325,000	\$325,000	\$1,778,765
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$103,765	\$0	\$0	\$0	\$0	\$103,765
General Obligation Bonds	\$375,000	\$325,000	\$325,000	\$325,000	\$325,000	\$1,675,000
Total	\$478,765	\$325,000	\$325,000	\$325,000	\$325,000	\$1,778,765
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Existing City Building Asset Mgt Program-Replacements/Repairs

This project funds major asset system replacements and upgrades across approximately 135 City facilities. This project provides for repairs and renovations of City facility infrastructure such as: roofing, plumbing, electrical systems, fire systems, HVAC (heating, ventilation and air conditioning), fencing, automated gates, roll up doors, flooring surfaces, and painting. This project is to maintain safe, inviting and productive City facilities, while extending the life of the facilities. Repairing and replacing assets prior to failure, minimizes future capital needs and reduces impacts to City services relied on by residents, customers, and employees. This CIP request has increased in the dollar amount to promote and move the City closer to achieving Performance Measure 4.14 over a 10-year period. At current funding levels, a large gap is created between the needs of City facilities and the financial ability to address the needs. This in turn results in the City's Performance Measure 4.14 not being achieved during a 10-year period. Justification for this request includes data collection, analysis and recommendations from a variety of industry consultants which include 1) Facilities Master Plan study by Makers 2) Asset life cycle plan developing for the following assets: Elevators, grease traps, and fire systems, roll up doors 2) the City's asset management software program which tracks asset life cycles, condition ratings and costs for replacement 3) Roof Master Plan Assessments 4) Employee Survey results. Operating Impacts have been included to reflect the increase in preventative maintenance for Roof projects. The recommended plan from Makers includes budgeting for annual predicted maintenance and deficiencies. Currently, for general funded facilities that are not already separately funded for maintenance, predicted maintenance is \$22.165M for the next 5 years and deficiencies total \$27.1M. Average is \$7.143M per year.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
6708849	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$6,917,914	\$4,100,000	\$5,200,000	\$5,200,000	\$5,200,000	\$26,617,914
Total	\$6,917,914	\$4,100,000	\$5,200,000	\$5,200,000	\$5,200,000	\$26,617,914
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$2,717,914	\$0	\$0	\$0	\$0	\$2,717,914
General Obligation Bonds	\$4,200,000	\$4,100,000	\$5,200,000	\$5,200,000	\$5,200,000	\$23,900,000
Total	\$6,917,914	\$4,100,000	\$5,200,000	\$5,200,000	\$5,200,000	\$26,617,914
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
Total	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000

Capital Improvements Program

General Governmental Contingency

This project creates spending contingency spending authority for grants and other funding received during the fiscal year as well as spending authority for projects that may need to be accelerated or advanced.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion		
6709767		Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0	
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0	
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0	
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0	
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$20,500,000	\$0	\$0	\$0	\$0	\$20,500,000	
Total	\$20,500,000	\$0	\$0	\$0	\$0	\$20,500,000	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Grants/Other Funding	\$20,500,000	\$0	\$0	\$0	\$0	\$20,500,000	
Total	\$20,500,000	\$0	\$0	\$0	\$0	\$20,500,000	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

Capital Improvements Program

Historical Properties Building Maintenance

This project combines the efforts of the Facilities Section with Community Services to fund the rehabilitation and repair of aging historic facilities, infrastructure, and systems. The City has 9 buildings designated as historic properties (Peterson House, Hayden Flour Mill, Hackett House, Elias Rodriguez, BB Moeur House, Eisendrath House, Hayden House, Sandra Day O'Connor, (Eisendrath-separate funding source)) with an average age of 100 years. The project includes rehabilitation and repair of roofing, flooring surfaces, painting, plumbing, electrical systems, heating, ventilation and air conditioning (HVAC), fencing and gates, and security and fire systems. This project will enable the City to continue to preserve and maintain our historic property assets and to expand its services to the community while investing in the neighborhoods in which they reside.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
6706809	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$26,000	\$34,000	\$17,000	\$17,000	\$17,000	\$111,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$297,449	\$225,000	\$110,000	\$110,000	\$110,000	\$852,449
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$18,000	\$23,000	\$11,000	\$11,000	\$11,000	\$74,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$341,449	\$282,000	\$138,000	\$138,000	\$138,000	\$1,037,449
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$122,499	\$0	\$0	\$0	\$0	\$122,499
General Obligation Bonds	\$219,000	\$282,000	\$138,000	\$138,000	\$138,000	\$915,000
Total	\$341,499	\$282,000	\$138,000	\$138,000	\$138,000	\$1,037,499
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
Total	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000

Capital Improvements Program

Archeological/Historic/Environmental Phase I - City Owned Parcels

This project set up is for the potential Phase I Archeological/Historic/Environmental assessment, determination and assessment costs associated with the site clearance for the development of affordable/workforce housing on City owned properties. The parcels are Dorsey & Lemon, Dorsey & Apache, parcel adjacent to Watson's Flowers and the parcels acquired with CDBG funds on Apache across from the Apache 101 Park & Ride.

Photo Coming Soon

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.09 Achieve a Housing Inventory Ratio for Affordable, Workforce, and Market-rate housing categories that meets the recommendations made for a three-person household in the most recent study.

Project Number	Estimated Start			Estimated Completion		
6710259	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Total	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Archeological/Historic/Environmental Phase II - City Owned Parcels

This project set up is for the potential Phase II Archeological/Historic/Environmental mitigation costs associated with the site clearance for the development of affordable/workforce housing on City owned properties. The parcels are Dorsey & Lemon, Dorsey & Apache, parcel adjacent to Watson's Flowers and the parcels acquired with CDBG funds on Apache accross from the Apache 101 Park & Ride.

Photo Coming Soon

Project Priority Type						
Systems Expansions						
Primary City Council Priority and Performance Measure Addressed						
	Sustainable Growth & Development	4.09 Achieve a Housing Inventory Ratio for Affordable, Workforce, and Market-rate housing categories that meets the recommendations made for a three-person household in the most recent study.				
Project Number	Estimated Start			Estimated Completion		
6710539	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
Total	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Creation/Acquisition of Non-Congregate Shelter

This project is Strategy 3 of the Expanding Shelter Options Memorandum dated January 5, 2021, and presented to Mayor and Council on February 18, 2021. This project/strategy is specifically for the acquisition of an existing hotel/motel up to 60 rooms to allow for up to 120 individuals to receive shelter, while the individual/family is assisted in identifying a more permanent housing option. This form of shelter allows for all populations (singles, couples, seniors, families with children, and or individuals with disabilities) to be sheltered in a setting that allows for pets to be present, and a 24/7 'place to be' while staff works with them toward more permanent housing options. The initial acquisition cost is estimated at \$5,400,000. Operating costs for staffing would include \$325,000 for 5 dedicated HOPE staff and a yet to be determined grounds maintenance staff member for Housing Services at roughly \$65,000 per year. Operating costs for utilities and maintenance and other operating costs are estimated to be \$500,000 per year. Rehabilitation costs have not been factored into this, as the structure purchased would determine the need for rehabilitation.

Photo Coming Soon

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.28 Achieve an end to homelessness in Tempe as measured by Tempe's annual count.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$5,400,000	\$5,400,000
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees Design	\$0	\$0	\$0	\$0	\$0	\$0
& Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$500,000	\$500,000
Total	\$0	\$0	\$0	\$0	\$5,900,000	\$5,900,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Cash - America Relief Plan	\$0	\$0	\$0	\$0	\$5,900,000	\$5,900,000
Total	\$0	\$0	\$0	\$0	\$5,900,000	\$5,900,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Personnel Services	\$0	\$0	\$0	\$0	\$435,728	\$435,728
Supplies and Services	\$0	\$0	\$0	\$0	\$850,000	\$850,000
Total	\$0	\$0	\$0	\$0	\$1,285,728	\$1,285,728

Capital Improvements Program

Family Advocacy Center

The development of a Family Advocacy Center (FAC) to treat victims of crime in one location where they can meet with investigating law enforcement officers, healthcare providers, crisis counselors, and victim advocates - to minimize trauma and promote engagement within the criminal justice system. These crimes include assault, domestic violence, child crime information, aggravated assault, domestic violence, sexual assault, sexual abuse, child abuse, sexual conduct with minor, child neglect, and molestation of a child. These specific crimes include approximately 1,800 victims per year that are reported to the Tempe Police Department, but many more victims would be able to access resources from the FAC. The FAC is a partnership between Tempe Human Services, Tempe Police Department, and Arizona State University to better serve victims, reduce victimization, and restore quality of life.

Photo Coming Soon

The Family Justice Commission's presented their support/recommendation for a FAC to Mayor and Councilmembers in July. Members of the Human Service Department (HSD) and Tempe Police Department (TPD) agree with the recommendation and a FAC subcommittee was formed to explore costs. It is estimated that a 10,000 square foot facility would incur an estimated one-time cost of \$487,150, and an annual cost of \$276,500. The overall budget estimate over five years is \$1,869,650.

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.29 Achieve ratings of "Strongly Agree" or "Agree" with responses of "having a better understanding of trauma associated with violence and its impact on the well-being and safety of my family" greater than or equal to 50% as measured in the CARE 7 Trauma Education and Support Services Survey.

Project Number	Estimated Start			Estimated Completion		
6710279	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees Design	\$0	\$0	\$0	\$0	\$0	\$0
& Engineering	\$66,430	\$0	\$0	\$0	\$0	\$66,430
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$265,720	\$0	\$0	\$0	\$0	\$265,720
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$55,000	\$0	\$0	\$0	\$0	\$55,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$487,150	\$0	\$0	\$0	\$0	\$487,150
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Cash - America Relief Plan	\$487,150	\$0	\$0	\$0	\$0	\$487,150
Total	\$487,150	\$0	\$0	\$0	\$0	\$487,150
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$105,000	\$210,000	\$210,000	\$210,000	\$210,000	\$945,000
Capital Outlay	\$33,250	\$66,500	\$66,500	\$66,500	\$66,500	\$299,250
Total	\$138,250	\$276,500	\$276,500	\$276,500	\$276,500	\$1,244,250

Capital Improvements Program

Permanent Supportive Housing

The project proposal is for up to 250 units of Permanent Supportive Housing (PSH) for Tempe residents. PSH is a housing model that combines low-barrier affordable housing, health care, and supportive services to help individuals and families lead more stable lives. PSH typically serves people who are homeless, or otherwise unstably housed, experience multiple barriers to housing, and are unable to remain housed without supportive services. Purpose: Vulnerable populations are increasingly pushed to the brink of homelessness with few available housing options. A means of providing PSH (fixed site, or scattered site) would allow for the reduction of street homelessness. Assumptions: The budget estimates below are based on the purchase and rehab of an existing ~200 unit apartment complex. Alternatively, the design and construction of a PSH complex would significantly cost more. As an example, a 197 unit complex was listed for \$26M. Assuming rehab expenses of \$50k per unit, a total project cost would be approximately \$36M. Comparatively, based on information received, the cost of ground up construction is estimated to be ~\$46M (not including the cost of land, environmental mitigation, or other external factors). Based on the estimated construction costs, plus the costs of theoretical mitigation ground up construction would be approximately \$50M.

Photo Coming Soon

The below budget request(s) are based on the following assumption(s):

- 1) Year 1 of \$4M includes a \$3M downpayment (with the remainder of the 26M being bank financed) and \$1M for unit rehab.
- 2) The funding of \$1.5M in years 2 thru 4 is anticipated to be half the cost of the annual rehabilitation(s). The expectation is that half of the rehab will be funded thru complex cash flow and the other half would be from general fund.

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.09 Achieve a Housing Inventory Ratio for Affordable, Workforce, and Market-rate housing categories that meets the recommendations made for a three-person household in the most recent study.

Project Number	Estimated Start			Estimated Completion		
6710549	7/1/2021			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$5,000,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$26,000,000	\$0	\$0	\$0	\$0	\$26,000,000
Total	\$29,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$34,000,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$3,500,000	\$750,000	\$750,000	\$750,000	\$0	\$5,750,000
Federal Funding	\$26,000,000	\$0	\$0	\$0	\$0	\$26,000,000
Rental Income	\$0	\$750,000	\$750,000	\$750,000	\$0	\$2,250,000
Total	\$29,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$34,000,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Citizen / Customer Relationship Management (CRM) System

The City of Tempe does not own a fully functional / robust CRM (Customer / Citizen Relationship Management) solution. The City currently uses a variety of siloed digital platforms to connect with citizens and services. The need for an easy, streamlined and effective digital engagement solution is crucial for communicating and advancing the City's programs, priorities and vision. As we have seen with the COVID pandemic the need to effectively engage with citizens must be a top priority. For initiatives, such as the Right to Breathe, to successfully reach their goals and make a positive impact for our residents and the City, there must be a strong relationship management tool.

This new system would allow for a centralized repository for all public engagement to be used by all the departments. It would allow for public outreach and two-way communication. In addition data will be readily available for reporting and analysis.

The estimates are based on an Enterprise solution with 300 user licenses at approximately \$150 / month / user. In addition implementation, consulting and training for the first year is estimated at 75% of the licensing cost.

Photo Coming Soon

Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Strong Community Connection

2.05 Achieve 90% ratings for Tempe's online services of "Very Satisfied" or "Satisfied" for ease of use and needs met in Customer Experience Surveys and Community Survey.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$100,000	\$540,000	\$0	\$0	\$640,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$400,000	\$0	\$0	\$400,000
Total	\$0	\$100,000	\$940,000	\$0	\$0	\$1,040,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$100,000	\$940,000	\$0	\$0	\$1,040,000
Total	\$0	\$100,000	\$940,000	\$0	\$0	\$1,040,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$150,000	\$150,000	\$0	\$0	\$300,000
Total	\$0	\$150,000	\$150,000	\$0	\$0	\$300,000

Capital Improvements Program

Cybersecurity & Regulatory Compliance Program

The City of Tempe's cybersecurity and regulatory compliance program serves all City Departments. This request seeks to significantly advance metrics associated with the Cyber Security Council Priority (5.12). The items outlined in this proposal cover costs associated with adopting protective programs/processes that significantly advance Tempe's ability to protect and defend our critical infrastructure and information assets from unauthorized access and data breach. Keeping up with the times: in the area of cloud computing it has become an operational necessity to secure and maintain visibility of Tempe's critical infrastructure and information assets wherever they are hosted and accessed from. Adopting this request helps City of Tempe manage and mitigate cyber related risks significantly advancing Council Priority 5.12. Investing in these proactive measures helps Tempe be able stewards of the data that we process. Example data breach impacts involve public press releases advising the community of loss of integrity and confidentiality of Fire Medical health records, Public Safety or Court criminal records and Credit Card release. A typical data breach costs about 9 Million dollars to settle and recover. While Tempe does carry data breach insurance the adjuster can nullify Tempe's claim if we are not industry current in our handling of confidential and regulatory protected information assets.



This request is an accelerated model of the originally submitted Cybersecurity & Regulatory Compliance Program. This model, would implement the cybersecurity program in the quickest timeframe possible. This accelerated model helps IT build its unified event management program. This means technology device logs for on-premises computers, firewalls and devices like printers place a copy of their event logs in a single pane of glass along with cloud computers and firewalls. This single pane of glass makes IT more effective because a technologist can see the entire technology stack at one time when they troubleshoot a problem and plan for a technology upgrade.

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Financial Stability & Vitality 5.12 Achieve 100% compliance with the National Institute of Standards and Technology (NIST) Cyber Security Framework (CSF) for the protection of critical infrastructure.

Project Number	Estimated Start			Estimated Completion		
6710129	4/10/2019			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$655,000	\$815,000	\$1,040,000	\$1,040,000	\$1,040,000	\$4,590,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$655,000	\$815,000	\$1,040,000	\$1,040,000	\$1,040,000	\$4,590,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$655,000	\$815,000	\$1,040,000	\$1,040,000	\$1,040,000	\$4,590,000
Total	\$655,000	\$815,000	\$1,040,000	\$1,040,000	\$1,040,000	\$4,590,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$228,000	\$248,000	\$248,000	\$248,000	\$248,000	\$1,220,000
Total	\$228,000	\$248,000	\$248,000	\$248,000	\$248,000	\$1,220,000

Capital Improvements Program

Enterprise Asset Management

Tempe's Technology and Innovation Steering Committee (TISC) identified a need to provide an enterprise asset management system that will benefit many City departments. There are currently asset management systems used across the city, but these systems are designed to support specific business needs. There is no asset management / inventory management system in place that tracks assets assigned to staff, maintains an inventory of assets, provides life-cycle management, location, funding information, audit trails, etc. The Police Department has over \$15 million of equipment used to perform daily law enforcement activities. Community Services has a vast amount of assets tied to programs and classes. Municipal Utilities has approximately \$7 million dollars in it's inventory of containers and assigns equipment to staff in the field. There is a need for a centralized system to track and monitor these items, as well as provide accurate funding information expended over the life-cycle of the equipment. The departments need to be able to accurately forecast future budget expenditures for equipment based on the historical data this system can provide.



This project was previously approved. TISC has prioritized other funded projects ahead of this project and it has been moved to 2022-23.

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6709879	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$225,000	\$0	\$0	\$0	\$225,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$225,000	\$0	\$0	\$0	\$225,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$225,000	\$0	\$0	\$0	\$225,000
Total	\$0	\$225,000	\$0	\$0	\$0	\$225,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$38,000	\$38,000	\$38,000	\$38,000	\$152,000
Total	\$0	\$38,000	\$38,000	\$38,000	\$38,000	\$152,000

Capital Improvements Program

Enterprise Document Management

Tempe's Technology and Innovation Steering Committee (TISC) identified a gap in City of Tempe's system for public records retention. Per state law, Tempe is required to maintain a system of record for all public documents that meet the state requirement of a public record. Tempe's current system, Sire, is over 15 years old and lacks the ability to effectively manage records produced by newer applications and records that are not considered public record but are produced by city staff. Departments have records stored in multiple locations: Sire, Shared Drives, SharePoint, Email, and within the over 200 applications currently supported by the Information Technology Division. Tempe lacks a centralized document management system for data that is outside of the official system of record. There is a need to perform a city-wide clean-up on shared drives and implement a new application to manage all data in a centralized system. A new enterprise content / document management system would provide the needed centralized solution for the management of content, processes and cases. It would allow mobile access, integration with other applications, collaboration, retention and content controls, robust security, etc. for improved agility and efficiency. In December 2020 Hyland, vendor for Sire, announced that Sire will no longer be supported after Dec. 31, 2021. Therefore we are requesting that funding for this CIP be available in 2021/2022, a year earlier.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.36 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City Services" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6710559	7/1/2022			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$487,000	\$0	\$0	\$0	\$0	\$487,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Total	\$562,000	\$0	\$0	\$0	\$0	\$562,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$562,000	\$0	\$0	\$0	\$0	\$562,000
Total	\$562,000	\$0	\$0	\$0	\$0	\$562,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$42,210	\$42,210	\$42,210	\$42,210	\$42,210	\$211,050
Total	\$42,210	\$42,210	\$42,210	\$42,210	\$42,210	\$211,050

Capital Improvements Program

Enterprise Software Upgrades and Replacement

When this CIP was originally submitted the Technology and Innovation Steering Committee (TISC) had not been established. With TISC now in place, there is oversight on the technology needs of the City which includes vetting and ranking of potential technology projects. There are many small and mid-size projects that address a business need, requires an upgrade, or a replacement of current technology which do not have a funding source. This 'technology project refresh' CIP would establish ongoing funding to allow for the upgrading and replacement of these smaller initiatives, as well as contracted support to assist in the timely execution of these projects.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Strong Community Connection

2.05 Achieve 90% ratings for Tempe's online services of "Very Satisfied" or "Satisfied" for ease of use and needs met in Customer Experience Surveys and Community Survey.

Project Number	Estimated Start			Estimated Completion		
6708739	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$275,000	\$150,000	\$150,000	\$200,000	\$200,000	\$975,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$275,000	\$150,000	\$150,000	\$200,000	\$200,000	\$975,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$275,000	\$150,000	\$150,000	\$200,000	\$200,000	\$975,000
Total	\$275,000	\$150,000	\$150,000	\$200,000	\$200,000	\$975,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Integrated Case Management System

This CIP was originally submitted by Human Services for \$585,873 starting in fiscal year 21/22. The Tempe Technology and Innovation Steering Committee (TISC) ranked this project very high because there is no current system, there is substantial benefit to the community, and the new system will significantly improve the overall customer experience. IT took ownership of the CIP in fiscal year 19/20 and, working with Human Services, was able to get better pricing and reduced the amount of the original CIP by more than \$440,000. Since the initial takeover from IT, Human Services has expanded the scope of the project and are requesting a solution that can handle the needs of the Tempe Preschool program, KidZone and Care 7. The project is currently being implemented. The re-appropriation request is to accommodate the payment schedule, which will fall into next fiscal year.

The purpose of this integrated case management system is to coordinate service delivery among workgroups (e.g. Crisis Response, Victim Advocacy, Counseling, Homeless Solutions, and Education, Youth and Family Development).

Further, a recent third-party review identified multiple limitations of the current Community Supervision Services case management system requiring significant improvements. CARE 7 Domestic Violence Advocacy requires the tracking and reporting on clients, which is currently completed manually. Other factors supporting this request include HIPPA compliance, client confidentiality, best practices for ethical service provision, and a client-centered approach.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities

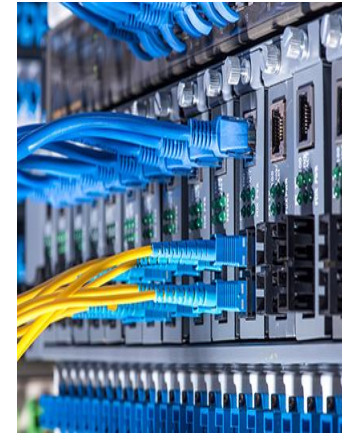
1.29 Achieve ratings of "Strongly Agree" or "Agree" with responses of "having a better understanding of trauma associated with violence and its impact on the well-being and safety of my family" greater than or equal to 50% as measured in the CARE 7 Trauma Education and Support Services Survey.

Project Number		Estimated Start		Estimated Completion		
6709889		3/1/2020		12/31/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$375,000	\$0	\$0	\$0	\$0	\$375,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$375,000	\$0	\$0	\$0	\$0	\$375,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$375,000	\$0	\$0	\$0	\$0	\$375,000
Total	\$375,000	\$0	\$0	\$0	\$0	\$375,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Network Cabling Replacement

Replace the enterprise network station cabling and associated equipment that is reaching end of service life and support. As software applications become larger and network devices become increasingly faster, this would consist of a five year program to replace the existing station cabling and associated equipment with new cabling and equipment necessary to sustain increasing network speeds and bandwidth demands, for all City of Tempe campuses. Because the current cabling infrastructure was replaced more than 10 years ago, it has become necessary to replace the cabling hardware in the communication rooms as the current hardware has become obsolete and is no longer available through vendors for continuing support of the current cabling environment.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6710569	7/1/2021			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$333,000	\$552,000	\$570,000	\$500,000	\$345,000	\$2,300,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$333,000	\$552,000	\$570,000	\$500,000	\$345,000	\$2,300,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$333,000	\$552,000	\$570,000	\$500,000	\$345,000	\$2,300,000
Total	\$333,000	\$552,000	\$570,000	\$500,000	\$345,000	\$2,300,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

PeopleSoft Replacement

Replacement of the Oracle Peoplesoft enterprise resource planning (ERP) system, which includes Human Capital Management (HCM) and Financials. Implementation of these programs began in 1997 and while there have been enhancements, the overall functionality of the system has remained the same. The current system has served the City well over the years but has not kept pace with modern software applications that provide enhanced functionality with an improved user interface for both internal and external users and a focus on using the application with a variety of mobile devices. The software support contract for PeopleSoft has been moved away from Oracle to a third-party provider which provides the City with substantial annual savings, but also diminishes the opportunity for future enhancements and creates challenges to maintain the required security of the application. This will be a multi-year project with first year funding for professional consulting to analyze the current state and provide options for possible solutions. The second year of fund will replace the HRMS system and the third year will replace the Financials system.



As a baseline for projecting these cost we are referencing estimates received two years ago from ADP for using their HR/ Payroll system. They quoted \$400,000 for implementation and approximately \$500,000 per year for services.

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Financial Stability & Vitality 2.25 Achieve an average ratings of "Strongly Agree" or "Agree" that "City Services Adequately Support Employee's Work-related needs" greater than or equal to 90% as measured in the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$250,000	\$850,000	\$850,000	\$1,950,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$250,000	\$850,000	\$850,000	\$1,950,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$250,000	\$850,000	\$850,000	\$1,950,000
Total	\$0	\$0	\$250,000	\$850,000	\$850,000	\$1,950,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$0	\$150,000	\$150,000	\$300,000
Total	\$0	\$0	\$0	\$150,000	\$150,000	\$300,000

Capital Improvements Program

Public Internet Technology

The Public Internet Technology project will enhance the capabilities of Tempe's free public Internet access through public computers and wireless access for citizens visiting public facilities, such as the Library complex, City Hall, Tempe Center for the Arts, and recreation centers. Tempe currently provides over 150 physical computers for web browsing, e-reading, and email to users of our recreation facilities and library. The wireless network averages between 400-600 active device connections at any point during the day, with usage spiking during holidays and summer months. Installed in 2008 for web browsing and email, the system has been updated in 2015. This update supports the evolution of the internet, proliferation of personal smart devices, citizen browsing requirements, and security capabilities to support services Tempe would like to provide (for example; YouTube, Facebook, and online library resources).

The Internet is continually evolving and becoming more pervasive in our everyday life. The capabilities of smart devices (tablets, cellular phones) and soon wearable technology will continue to consume connections and bandwidth from our public facing wireless systems. Additionally, the usage of a typical user on a public workstation has transitioned from email and web browsing to social media including streaming services such as music and videos.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Strong Community Connection

2.05 Achieve 90% ratings for Tempe's online services of "Very Satisfied" or "Satisfied" for ease of use and needs met in Customer Experience Surveys and Community Survey.

Project Number	Estimated Start			Estimated Completion		
6708299	7/1/2017			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$163,000	\$348,700	\$287,500	\$150,000	\$165,500	\$1,114,700
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$163,000	\$348,700	\$287,500	\$150,000	\$165,500	\$1,114,700
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$163,000	\$348,700	\$287,500	\$150,000	\$165,500	\$1,114,700
Total	\$163,000	\$348,700	\$287,500	\$150,000	\$165,500	\$1,114,700
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$7,800	\$7,800	\$15,600	\$15,600	\$23,400	\$70,200
Total	\$7,800	\$7,800	\$15,600	\$15,600	\$23,400	\$70,200

Capital Improvements Program

Security Systems Upgrades

Tempe maintains 135 buildings covering 1,600,000 million square feet. Special Systems are an important part of safety and security throughout Tempe Facilities. Special Systems include the following: security alarms, video security, card access, environmental and energy management controls, and fire alarm/extinguishing systems. Card access system is comprised of 62 access controls and 440 doors and gates. There are over 44 security alarm panels. The city has over 63 sprinkler systems and has over 370 cameras throughout city facilities.

The useful life of these systems range from cameras with a life cycle of 5-7 years, 10 years on security and surveillance systems and to 25 years on fire sprinkler systems. The systems are crucial in protecting our infrastructure and facilities. This project continues the work associated with Apache Police Department Security System and two other projects that were funded in FY 2016-17. Additional funding to implement a more secure city-wide card access system is being requested in FY22/23 due to increased cost of equipment and more accurate actual project cost from the original estimate when the CIP was created five years ago. Information Technology has now installed several new card access systems with a more solid quote representing actual cost to replace the existing outdated system.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.11 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Feeling of Safety in City Facilities" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey and the Employee Survey.

Project Number	Estimated Start			Estimated Completion		
6707609	7/1/2017			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$637,000	\$990,775	\$509,000	\$674,000	\$900,000	\$3,710,775
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$637,000	\$990,775	\$509,000	\$674,000	\$900,000	\$3,710,775
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$637,000	\$990,775	\$509,000	\$674,000	\$900,000	\$3,710,775
Total	\$637,000	\$990,775	\$509,000	\$674,000	\$900,000	\$3,710,775
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Team Technology Refresh

The Team Technology Refresh - Green Initiative project to replace aging team devices across the city organization on a rotating four year basis. The project was previously known as the Desktop Technology Refresh; with a scope limited to replacing only PCs and Virtual Desktop Hardware.

Evolving technology, laptop docking solutions, secure VPN options, and increased need for work flexibility have increased the utilization of laptops/tablet devices. The "Desktop Technology Refresh" previously did not include refresh of laptops and domain joined tablets (such as Surface models.) Departments were required to fund any such replacements themselves. To enhance support for this business need and enable a "single device usage" model for users requiring mobility, beginning in FY21-22 laptops and dock-capable devices are included. Laptops and Surface style tablets feature greater energy efficiency compared to desktops due to solid state hardware, as well as enabling less total devices requiring power.

Changes Beginning in FY 21-22 CIP Request: Device Costing adjusted to incorporate 80-85% Single Device deployments, and to include Home Kits (dock, monitor, cables, etc.) for all Single Device users. Changes made in response to COVID-19 and changing needs of City Team, most prominently in work from home/remote needs. Departments were previously required to fund Home Kits for users, these changes shift that cost in to the CIP budget. The recently completed deployment of Teams to the City has enabled advanced video and audio conferencing capabilities. Not all conference rooms are enabled to interface with these capabilities. To further utilization of Teams Conferencing Services both internally and externally, conference rooms are being added for evaluation and technology refresh as well (starting in 20-21). This addition enables lessened travel for meetings and greater/instant collaboration between locations and teams.

As such, the following changes represent the evolution of the CIP to the Team Technology Refresh

- * Addition of desktop phone replacements each cycle.
- * Transitioning from Virtual Desktops to PC replacements.
- * Adding refresh for "Single Device" laptop users beginning FY21-22.
- * Device cost basis has been re-baselined to support this change moving forward.
- * Addition of Conference Room Technology Refresh.
- * Addition of cost updates to support 80-85% Single Device users.
- * Addition of Home Kits in to costing per seat.

A user technology refresh program is necessary to allow departments to leverage current software and hardware solutions, enable work flexibility, as well as expand technology solutions into the field with mobile access. Regular replacement lessons overall support costs by staying ahead of support and failure issues, leverages greater performance for users, and adds efficiency options in new technology.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

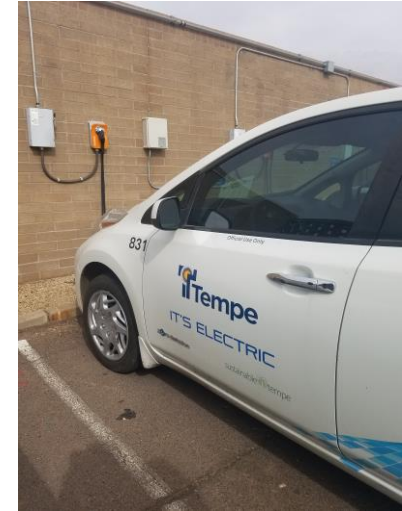
Project Number	Estimated Start			Estimated Completion		
6707229	7/1/2014			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$1,271,975	\$1,043,675	\$895,375	\$929,875	\$1,368,175	\$5,509,075
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,271,975	\$1,043,675	\$895,375	\$929,875	\$1,368,175	\$5,509,075
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,150,375	\$1,043,675	\$895,375	\$679,975	\$1,271,575	\$5,040,975
Transit Fund	\$96,600	\$0	\$0	\$0	\$96,600	\$193,200
Water/Wastewater Fund	\$25,000	\$0	\$0	\$249,900	\$0	\$274,900
Total	\$1,271,975	\$1,043,675	\$895,375	\$929,875	\$1,368,175	\$5,509,075
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
Total	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000

Capital Improvements Program

Electric Vehicle Charging Station Infrastructure Assessment for Charging Station Expansion

When the City began its fleet electrification efforts in 2016, the Municipal Utilities Department was able to transition specific work areas to Electric Vehicles (EV) because the necessary electrical infrastructure and capacity existed at the respective work site. However, with most City buildings having been built in the 1970s, they lack the electrical capacity necessary to accommodate EV chargers. To date, there are 28 EV chargers in the City's fleet inventory.

The next phase of the City's efforts to expand fleet electrification will require in-depth analysis, careful planning and a systematic, long-term approach. Developing charging infrastructure needs includes determination of current available electrical capacity and determining what, if any, upgrades are needed and to which facilities. Anticipating this essential component of ultimate fleet electrification, the City will examine and assess the electrical capacity of City facilities, determine near-term electrical infrastructure needs and recommend long-range infrastructure enhancements. After locations and charging station capacity is identified, additional charging stations can be installed at an estimated cost of \$6,000 to \$10,000 per charger. This project includes assessment, design, equipment purchase, installation/construction, etc., at City facilities.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.19 Achieve the City Council goal of carbon neutrality in municipal operations by 2050 with a strategy of 100% renewable energy by 2035.

Project Number	Estimated Start			Estimated Completion		
6709899	10/1/2019			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$90,000	\$40,000	\$40,000	\$100,000	\$100,000	\$370,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$140,000	\$40,000	\$40,000	\$100,000	\$100,000	\$420,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
General Obligation Bonds	\$90,000	\$40,000	\$40,000	\$100,000	\$100,000	\$370,000
Total	\$140,000	\$40,000	\$40,000	\$100,000	\$100,000	\$420,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fuel Tank Replacements

This project will remove two underground, 12,000 gallon fuel storage tanks, located at Kiwanis Park Maintenance Yard, and replace them with above ground fuel storage tanks. Above ground fuel storage tanks have significantly fewer regulatory requirements and are safer for the environment in the event of a leak. This project includes design and construction/installation. Construction will include removal of the existing storage tanks, environmental testing, backfilling and restoration of the area, site preparation for the new storage tanks, tank installation, installation of dispensers and installation of protective bollards around the storage tanks. A \$150,000 budget increase was added to Fiscal Year 2021-2022, to account for the cost of parapet walls or drywells, if 90 percent design requires this addition.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6708349	1/31/2017			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$741,200	\$0	\$0	\$0	\$0	\$741,200
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$741,200	\$0	\$0	\$0	\$0	\$741,200
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$741,200	\$0	\$0	\$0	\$0	\$741,200
Total	\$741,200	\$0	\$0	\$0	\$0	\$741,200
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Wastewater Analytics Program Infrastructure

This request is for funding to sustain the Wastewater Analytics Program initiated with City Council Innovation funding in 2018. Funding (CIP) for sampling site infrastructure will increase the number of collection areas from 8 to 11 and replace temporary equipment. A smaller collection area footprint aids data analysis and efficient deployment of resources by TFMR, Human Services, CARE 7. Associated funding (Operating Budget) provides ongoing staff/contracted services capacity for required sampling frequency across the collection areas.

This project includes the construction of nine new permanent wastewater sampling stations. To accompany this capital request, recurring operating costs are also included to eventually reduce or eliminate contracted services by completing sampling with City staff, eventually reducing the total cost to deliver this program.

Photo Coming Soon

The City of Tempe and the ASU Biodesign Center for Environmental Health Engineering continue to monitor opioid and COVID-19 in wastewater throughout the City and the Town of Guadalupe. Prior to the pandemic, and with critical collaboration with Tempe Fire Medical Rescue, the program team started to examine the unique approach of expanding community level biomarker analysis beyond opioids. Utilizing wastewater samples and the resulting data, city departments and community partners are provided early signals and trends on the dashboard to inform operational strategies to protect public health, first responders and service providers.

Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.34 PLACEHOLDER - Community Health & Well-Being

Project Number		Estimated Start		Estimated Completion		
6710389		7/1/2021		6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds/Cash	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Capital Projects Fund Balance	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$500,000	\$0	\$0	\$0	\$0	\$500,000

Park Improvements / Recreation Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

New project requests are <u>underlined</u>				New 2021-22	2021-22 Total	Additional Projected Needs				Total 5-Year
Project Name	Project #	Proposed	Capital Budget	Appropriation	Requested	2022-23	2023-24	2024-25	2025-26	Program
		Funding Source(s)	Re-appropriations	Request	Appropriation					
Community Services										
Aquatics Infrastructure & Equipment Replacement	6304999	General Obligation Bonds	104,432	810,000	914,432	363,926	540,983	515,000	650,000	2,984,341
Athletic Field Lighting Systems	6303089	General Obligation Bonds	1,089,756	300,000	1,389,756	525,000	830,000	120,000	525,000	3,389,756
Bell Butte Management Plan	N/A	General Fund Cash Reserve - CIP	-	-	-	-	-	103,200	-	103,200
Clark Park Pool & Amenities	6310509	General Obligation Bonds	-	1,400,000	1,400,000	8,600,000	-	-	-	10,000,000
		Development Impact Fees	-	-	-	1,700,000	-	-	-	1,700,000
		Project Total	-	1,400,000	1,400,000	10,300,000	-	-	-	11,700,000
Clark Park Improvements	6310519	General Obligation Bonds	-	125,000	125,000	1,255,500	-	-	-	1,380,500
Clark Park Renovation Study & Future Amenities	6309029	Capital Projects Fund Balance	20,183	-	20,183	-	-	-	-	20,183
Diablo Stadium Complex Baseball Field Renovations	6308639	General Obligation Bonds	13	120,000	120,013	100,000	100,000	100,000	100,000	520,013
Diablo Stadium Contractual Improvements	6303009	Diablo Stadium Revenue	-	47,500	47,500	47,500	47,500	47,500	47,500	237,500
		General Obligation Bonds	45,744	175,000	220,744	222,500	52,500	52,500	52,500	600,744
		Project Total	45,744	222,500	268,244	270,000	100,000	100,000	100,000	838,244
Diablo Stadium Complex Master Plan	6308141	Capital Projects Fund Balance	10,654	-	10,654	-	-	-	-	10,654
Implementation of Diablo Stadium Complex Master Plan	6309769	General Obligation Bonds	81,482	1,972,980	2,054,462	850,500	-	-	28,000,000	30,904,962
		General Fund Assigned Funds	10,600,000	327,020	10,927,020	-	-	-	-	10,927,020
		Contribution from Angels	-	TBD	TBD	TBD	TBD	TBD	-	TBD
		Development Impact Fees	-	-	-	-	750,000	-	-	750,000
		Project Total	10,681,482	2,300,000	12,981,482	850,500	750,000	-	28,000,000	42,581,982
Implementation of Hayden Butte Management Plan	6308699	General Obligation Bonds	74,346	50,000	124,346	100,000	100,000	100,000	100,000	524,346
Implementation of Papago Preserve Management Plan	N/A	General Obligation Bonds	-	-	-	100,000	75,000	75,000	75,000	325,000
Implementation of Rio Salado Master Plan	6309909	General Obligation Bonds	-	200,000	200,000	100,000	100,000	100,000	100,000	600,000
		Development Impact Fees	747,130	-	747,130	-	-	-	-	747,130
		Project Total	747,130	200,000	947,130	100,000	100,000	100,000	100,000	1,347,130
Indian Bend Wash Repair and Renovation	6308159	General Obligation Bonds	49,299	30,000	79,299	30,000	30,000	30,000	30,000	199,299
Kiwanis Tennis Court Asset Preservation	N/A	General Obligation Bonds	-	-	-	-	-	100,000	125,000	225,000
McClintock Pool Building Renovation	6309919	General Obligation Bonds	155,529	-	155,529	-	-	-	-	155,529

Park Improvements / Recreation Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Papago Park Management Plan	6309469	Capital Projects Fund Balance	150,000	-	150,000	-	-	-	-	150,000
<u>Park Archaeological Monitoring & Mitigation</u>	6310359	General Obligation Bonds	-	100,000	100,000	-	-	-	-	100,000
Park Concrete & Sports Court Replacement & Renovation	6305119	General Obligation Bonds	84,107	345,000	429,107	400,000	800,000	460,000	635,000	2,724,107
Park Drainage Infrastructure	6308169	General Obligation Bonds	416,755	100,000	516,755	25,000	25,000	25,000	25,000	616,755
Parks Electrical Repair	6307659	General Obligation Bonds	182,163	125,000	307,163	125,000	125,000	125,000	125,000	807,163
Parks Emergency Repairs	6305989	General Obligation Bonds	87,920	100,000	187,920	100,000	50,000	50,000	50,000	437,920
Parks Improvements - Contingency Fund - Grants/Other	6309863	Cash/Grants/Other Funding	-	1,000,000	1,000,000	-	-	-	-	1,000,000
Park Infrastructure/Equipment Replacement	6399829	General Obligation Bonds	150,093	300,000	450,093	300,000	230,790	230,000	230,000	1,440,883
Park Irrigation System	6305999	General Obligation Bonds	198,397	185,000	383,397	435,000	450,000	250,000	100,000	1,618,397
	3207019C	Water / Wastewater Fund	-	40,000	40,000	40,000	40,000	40,000	40,000	200,000
		Project Total	198,397	225,000	423,397	475,000	490,000	290,000	140,000	1,818,397
Park Lake Improvements	6307629	General Obligation Bonds	-	60,000	60,000	585,000	525,000	-	-	1,170,000
Park Landscape Renovation & Buffer	6309789	General Obligation Bonds	-	190,000	190,000	100,000	275,000	60,000	125,000	750,000
Park Lighting System Replacement & Renovation	6305489	General Obligation Bonds	180,887	700,000	880,887	300,000	250,000	250,000	250,000	1,930,887
Park Playground Infrastructure & Equipment Replacement & Renovation	6305499	General Obligation Bonds	2,200,000	2,642,544	4,842,544	1,500,000	940,000	50,000	720,000	8,052,544
<u>Park Projects - Impact Fee Funded</u>	6310369	Development Impact Fees	-	500,000	500,000	-	-	-	-	500,000
Park Ramadas Replacement	6307639	General Obligation Bonds	120,858	325,000	445,858	125,000	100,000	275,000	320,000	1,265,858
Parks & Recreation Master Plan	6309479	Capital Projects Fund Balance	9,579	-	9,579	-	-	-	-	9,579
Park Recreational Value Enhancements	6308189	General Obligation Bonds	468,952	800,000	1,268,952	402,352	800,000	1,000,000	650,000	4,121,304
		Cash - America Relief Plan	-	-	-	668,162	668,162	668,162	668,162	2,672,648
		Project Total	468,952	800,000	1,268,952	1,070,514	1,468,162	1,668,162	1,318,162	6,793,952
Park Restrooms Renovations/Replacement	6307649	General Obligation Bonds	150,000	280,000	430,000	120,000	780,000	110,000	260,000	1,700,000
Park Sign Package Study/Design	6308679	Capital Projects Fund Balance	-	50,000	50,000	-	-	-	-	50,000
Park Sports Field Renovation	6305969	General Obligation Bonds	3,314	175,000	178,314	100,000	150,000	125,000	175,000	728,314

Park Improvements / Recreation Program

FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

New project requests are <u>underlined</u>				New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations			2022-23	2023-24	2024-25	2025-26	
Parks Urban Forest	6309489	General Obligation Bonds	112,210	430,000	542,210	368,000	388,000	377,500	362,500	2,038,210
Pickleball Courts	6308859	Capital Projects Fund Balance	75,195	-	75,195	-	-	-	-	75,195
Recreation Emergency Repairs	6310529	General Obligation Bonds	-	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Splash Playground Kiwanis	6308501	Capital Projects Fund Balance	89,302	-	89,302	-	-	-	-	89,302
Sports Facility Relamping	6309929	General Obligation Bonds	123,941	-	123,941	200,000	50,000	20,000	-	393,941
<i>Community Services Total</i>			17,782,241	14,105,044	31,887,285	19,988,440	9,372,935	5,558,862	34,640,662	101,448,184
Financial Services										
Diablo Stadium Improvements	6308139	Capital Projects Fund Balance	246	-	246	-	-	-	-	246
		General Obligation Bonds	-	150,000	150,000	150,000	150,000	150,000	150,000	750,000
		Project Total	246	150,000	150,246	150,000	150,000	150,000	150,000	750,246
Park Improvements/Recreation Program Total			17,782,487	14,255,044	32,037,531	20,138,440	9,522,935	5,708,862	34,790,662	102,198,430

Capital Improvements Program

Aquatics Infrastructure and Equipment Replacement

"This project will rehabilitate and replace aquatic facility equipment and infrastructure based on life cycle and condition rating to ensure reliable operations. Aquatic facilities include Kiwanis Pool, Escalante Pool, McClintock Pool, splash pads, splash playgrounds and some water fountains.

Projects include:

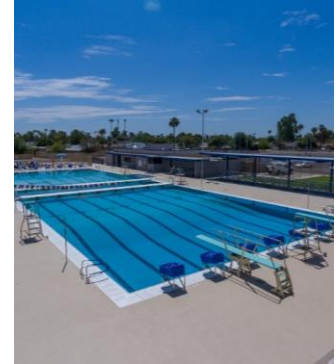
FY2021-22: Replace pool equipment, tile and slide at Kiwanis; Replace pool equipment at Escalante

FY2022-23: Pool surface at Escalante; Replace pool vacuums at Kiwanis and McClintock; Add recreational feature at Escalante

FY2023-24: Color and seal pool decks at Escalante, Kiwanis and McClintock; Replace motors, pumps and chemical controllers at Kiwanis and McClintock; Replace computers, pumps and valves at Cloud Splash Playground

FY2024-25: "Life cycle replacement of pool equipment"

FY2025-26: Replace pool equipment at McClintock, repair deck, replace external fencing



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6304999	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$914,432	\$363,926	\$540,983	\$515,000	\$650,000	\$2,984,341
Total	\$914,432	\$363,926	\$540,983	\$515,000	\$650,000	\$2,984,341
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$914,432	\$363,926	\$540,983	\$515,000	\$650,000	\$2,984,341
Total	\$914,432	\$363,926	\$540,983	\$515,000	\$650,000	\$2,984,341
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Athletic Field Lighting Systems

This project will upgrade and replace athletic field and sport court lighting that is beyond its useful life to ensure lighting is in compliance with Illuminating Engineering Society (I.E.S.) recommendations through the use of LED athletic field and sport court lights.

Projects scheduled for completion include:

FY 2021-22: Papago basketball and volleyball design; Kiwanis Fiesta volleyball and basketball design; Goodwin soccer design; Dwight basketball construction; athletic field light pole study

FY 2022-23: Celaya basketball & soccer design; Waggoner basketball & soccer design; Indian Bend basketball & tennis design; Campbell volleyball design; Palmer basketball design; Daumler basketball design; Ehrhardt basketball design; Hollis basketball design; Goodwin soccer construction; Kiwanis Fiesta volleyball and basketball construction; Papago basketball and volleyball construction

FY 2023-24: Campbell volleyball construction; Indian Bend basketball & tennis construction; Palmer basketball construction; Daumler basketball construction; Ehrhardt basketball construction; Hollis basketball construction; Celaya basketball & soccer construction; Waggoner soccer & basketball construction

FY 2024-25: Redden basketball design; Meyer & Mitchell basketball & volleyball design

FY 2025-26: Redden basketball construction; Meyer & Mitchell basketball & volleyball construction; Kiwanis Romero volleyball & basketball design; Connolly & McKemy ballfield design



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6303089	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$120,000	\$165,000	\$0	\$120,000	\$130,000	\$535,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$180,000	\$360,000	\$830,000	\$0	\$395,000	\$1,765,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$1,089,756	\$0	\$0	\$0	\$0	\$1,089,756
Total	\$1,389,756	\$525,000	\$830,000	\$120,000	\$525,000	\$3,389,756
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,389,756	\$525,000	\$830,000	\$120,000	\$525,000	\$3,389,756
Total	\$1,389,756	\$525,000	\$830,000	\$120,000	\$525,000	\$3,389,756
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Bell Butte Management Plan

This project will fund the creation of a management plan for Bell Butte. There are 3 buttes that are locations for water tanks serving the city: Hayden Butte Preserve, Bell Butte, and Papago Preserve Butte. All three are scheduled for tank restoration by Engineering. They are historically and culturally significant, and two hold preserve status. The Preserve Management Plan will serve as a template for Bell Butte. This plan will analyze the existing site relative to safety, access, history and cultural significance (working with Historic Preservation, SRP-MIC, and other stakeholders), maintenance and care of the native vegetation.

Bell Butte is highly visible from the I-10 freeway, and a favored venue for graffiti. The management plan will recommend improvements and the standard of care and use for this area.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$103,200	\$0	\$103,200
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$103,200	\$0	\$103,200
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Fund Cash Reserve - CIP	\$0	\$0	\$0	\$103,200	\$0	\$103,200
Total	\$0	\$0	\$0	\$103,200	\$0	\$103,200
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Clark Park Pool & Amenities

The 2017 Aquatic Needs Assessment Study guides the strategic direction for Tempe's aquatic facilities and service delivery over the next 15 years. The study identified a service gap in aquatics amenities in the northwest portion of the City. This project funds the design and construction of a swimming pool beginning in FY21-22, following completion of a Clark Park concept plan and preliminary design in FY20-21. This project also replaces the current bath house and classrooms by building a new community center with amenities for the pool (showers, restrooms, lockers) and multipurpose space for classrooms, programming, meeting and events. The community center is an approved project in the 2016-17 Infrastructure Improvement Plan (IIP) to be funded with development impact fees.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6310509	7/1/2021			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$89,000	\$0	\$0	\$0	\$89,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$261,000	\$0	\$0	\$0	\$261,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$1,400,000	\$0	\$0	\$0	\$0	\$1,400,000
Survey / Staking	\$0	\$65,000	\$0	\$0	\$0	\$65,000
Inspection & Construction Management	\$0	\$320,000	\$0	\$0	\$0	\$320,000
Geotech / Material Testing	\$0	\$65,000	\$0	\$0	\$0	\$65,000
Contingency	\$0	\$650,000	\$0	\$0	\$0	\$650,000
Construction / Installation / Improvement	\$0	\$6,000,000	\$0	\$0	\$0	\$6,000,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$650,000	\$0	\$0	\$0	\$650,000
ITD / Telecommunications	\$0	\$500,000	\$0	\$0	\$0	\$500,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$1,700,000	\$0	\$0	\$0	\$1,700,000
Total	\$1,400,000	\$10,300,000	\$0	\$0	\$0	\$11,700,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,400,000	\$8,600,000	\$0	\$0	\$0	\$10,000,000
Development Impact Fees	\$0	\$1,700,000	\$0	\$0	\$0	\$1,700,000
Total	\$1,400,000	\$10,300,000	\$0	\$0	\$0	\$11,700,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Personnel Services	\$0	\$0	\$733,209	\$733,209	\$733,209	\$2,199,627
Supplies and Services	\$0	\$0	\$219,878	\$219,878	\$219,878	\$659,634
Capital Outlay	\$0	\$0	\$41,400	\$0	\$0	\$41,400
New Revenue Offsets	\$0	\$0	-\$50,000	-\$50,000	-\$50,000	-\$150,000
Total	\$0	\$0	\$944,487	\$903,087	\$903,087	\$2,750,661

Capital Improvements Program

Clark Park Improvements

This project funds the various park infrastructure improvements into one consolidated project, coordinated with the design and construction of the Clark Park Aquatic Facility. Planned park improvements at Clark Park include: playground, ramada, restroom, baseball infield material, basketball court lighting, additional trees and landscaping. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be addressed.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6310519	7/1/2022			12/31/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$125,000	\$1,255,500	\$0	\$0	\$0	\$1,380,500
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$125,000	\$1,255,500	\$0	\$0	\$0	\$1,380,500
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$125,000	\$1,255,500	\$0	\$0	\$0	\$1,380,500
Total	\$125,000	\$1,255,500	\$0	\$0	\$0	\$1,380,500
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$8,756	\$8,756	\$8,756	\$26,268
Total	\$0	\$0	\$8,756	\$8,756	\$8,756	\$26,268

Capital Improvements Program

Clark Park Renovation Study & Future Amenities

In 2013, the 39-year-old Clark pool was closed, partially razed and converted for neighborhood use as a community garden. This project will create a conceptual plan and preliminary design of a swimming pool at Clark Park, as well as replacement of the existing classroom building and pool administration building with a single multi-use facility. The plan will also prepare a revised parking layout and create a site plan for the park and its other amenities based on community and staff input.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6309029	7/1/2019			1/31/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$20,183	\$0	\$0	\$0	\$0	\$20,183
Total	\$20,183	\$0	\$0	\$0	\$0	\$20,183
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$20,183	\$0	\$0	\$0	\$0	\$20,183
Total	\$20,183	\$0	\$0	\$0	\$0	\$20,183
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Diablo Stadium Complex Baseball Field Renovations

This project will remove the buildup of organic matter in the soil and replace the soil substrate with USGA sand at the main stadium and the other complex baseball fields (7 1/2 fields total); this type of work is recommended to occur every 4 years to provide an adequate playing surface and drainage. Scheduled improvements include 2 field renovations per year.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6308639	7/1/2017			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$120,000	\$100,000	\$100,000	\$100,000	\$100,000	\$520,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$13	\$0	\$0	\$0	\$0	\$13
Total	\$120,013	\$100,000	\$100,000	\$100,000	\$100,000	\$520,013
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$120,013	\$100,000	\$100,000	\$100,000	\$100,000	\$520,013
Total	\$120,013	\$100,000	\$100,000	\$100,000	\$100,000	\$520,013
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Diablo Stadium Contractual Improvements

This project provides ongoing contractual capital requirements and improvements to the Diablo Stadium Sports Complex. The city is contractually required to address Angels-identified Stadium and Diablo Complex capital needs annually. Planned projects by year are:

FY 2021-22: Major League Security upgrades; MLB field/stadium repairs/maintenance to keep facility at league standards; windscreens, Angels' requests
FY 2022-23: Soccer field upgrades/renovation; equipment replacement; Angels' requests
FY 2023-24: Windscreen replacement, field renovations, safety upgrades, equipment replacement, A/V upgrades, Angels' requests
FY 2024-25: Stadium pad replacement, netting replacement, safety upgrades, Angels' requests
FY 2025-26 - Windscreen replacement, artificial turf replacement, signage upgrades/replacement, safety upgrades, Angels' requests



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

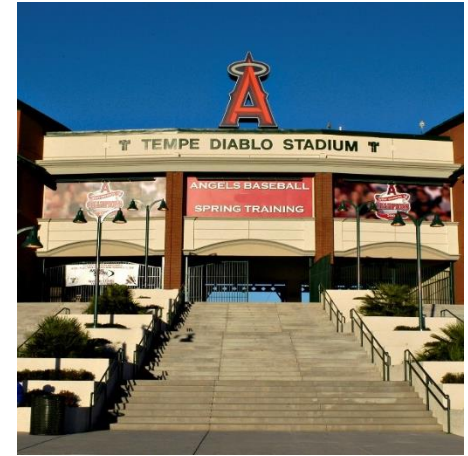
Project Number	Estimated Start			Estimated Completion		
6303009	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$268,244	\$270,000	\$100,000	\$100,000	\$100,000	\$838,244
Total	\$268,244	\$270,000	\$100,000	\$100,000	\$100,000	\$838,244
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$220,744	\$222,500	\$52,500	\$52,500	\$52,500	\$600,744
Diablo Stadium Revenue	\$47,500	\$47,500	\$47,500	\$47,500	\$47,500	\$237,500
Total	\$268,244	\$270,000	\$100,000	\$100,000	\$100,000	\$838,244
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Diablo Stadium Complex Master Plan

This project funds a master plan for Tempe Diablo Stadium Complex. The Diablo Stadium Complex was founded in 1968 and underwent an extensive renovation in 2005. The City has an annual capital budget of approximately \$250,000 which is used to address the contractual capital needs, improvements and requests from the Angels.

The Angels organization and the Tempe Diablo's periodically identify desired capital projects including a Right Field spectator area, tunnels for the players, improved circulation, and clubhouse & training facility improvements. In order to develop a shared vision for the complex to ensure that Diablo Stadium remains an attractive and competitive venue within the Cactus League organization, a comprehensive planning effort is in process to identify additional needed improvements and trends in major league baseball that would be implemented over the next 5-10 years. The master plan approach will allow us to address the needs at the stadium systematically. A separate project that will implement the recommendations from the Diablo Stadium Master Plan.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6308141	7/1/2016			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$10,654	\$0	\$0	\$0	\$0	\$10,654
Total	\$10,654	\$0	\$0	\$0	\$0	\$10,654
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$10,654	\$0	\$0	\$0	\$0	\$10,654
Total	\$10,654	\$0	\$0	\$0	\$0	\$10,654
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Implementation of Diablo Stadium Master Plan

In order to develop a shared vision for the Diablo Stadium Complex to ensure that Diablo Stadium remains a competitive venue within the Cactus League, a master planning effort was undertaken to identify necessary improvements, as well as baseball operating efficiencies, resulting in items that would be implemented over the next 5 years in two phases. In conjunction with this project, Tempe's ADA Transition Plan for the main stadium will be addressed, as well as lighting will be added to the only unlit baseball field on the complex.

Scheduled projects include:

FY21-22: Phase 1 improvements

FY22-23: Add internal roadway connector (design & construction); Field #3 lighting (design)

FY23-24: Field #3 lighting (construction)

FY25-26: Phase 2 improvements



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



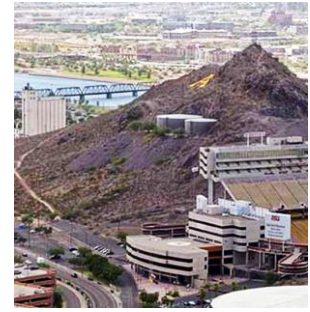
Safe & Secure Communities 3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6309769	7/1/2020			6/30/2033		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$150,500	\$0	\$0	\$0	\$150,500
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$700,000	\$750,000	\$0	\$0	\$1,450,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$12,981,482	\$0	\$0	\$0	\$28,000,000	\$40,981,482
Total	\$12,981,482	\$850,500	\$750,000	\$0	\$28,000,000	\$42,581,982
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$2,054,462	\$850,500	\$0	\$0	\$28,000,000	\$30,904,962
General Fund Assigned Funds	\$10,927,020	\$0	\$0	\$0	\$0	\$10,927,020
Contributions from Angels	TBD	TBD	TBD	TBD	\$0	\$0
Development Impact Fees	TBD	TBD	\$750,000	TBD	\$0	\$750,000
Total	\$12,981,482	\$850,500	\$750,000	\$0	\$28,000,000	\$42,581,982
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Implementation of Hayden Butte Management Plan

This funding will be used to implement the Hayden Butte Preserve Management Plan, once finalized and approved by Council. The first priority of implementation addresses onsite safety. The implementation also includes improvements to existing trails and trailheads, trail extension, new signage (wayfinding, including accessibility features where applicable, educational & regulatory), and removal of invasive plants and revegetation of the Butte with native species. These improvements will be phased over the next 5 years.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6308699	7/1/2020			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$74,346	\$0	\$0	\$0	\$0	\$74,346
Total	\$124,346	\$100,000	\$100,000	\$100,000	\$100,000	\$524,346
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$124,346	\$100,000	\$100,000	\$100,000	\$100,000	\$524,346
Total	\$124,346	\$100,000	\$100,000	\$100,000	\$100,000	\$524,346
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Implementation of Papago Preserve Management Plan

The City Council recognizes the great value of Papago Preserve including its unique natural, social, cultural, recreational, educational, historic and archeological resources. In 2010, the Regional Papago Park Master Plan was adopted, and Tempe city staff was authorized to participate with the City of Phoenix, the City of Scottsdale and the Salt River Pima Maricopa Indian Community to coordinate a collaborative structure to implement prioritized tasks in that plan. In March 2018, voters determined that the park should be a Preserve. Parks will develop a management plan, similar to the Hayden Butte Preserve Management Plan, to identify necessary improvements, methods of care, and a ten-year implementation plan.



This project will implement the components of the upcoming Papago Park Management Plan, including: develop sign package with wayfinding (including accessibility features where applicable), path identification, cultural and historical information signs, & regulatory signs; construct and post signage; trail reconstruction; tree planting at key locations; revegetate and restore undesignated paths & areas of damage.

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2030		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$100,000	\$75,000	\$75,000	\$75,000	\$325,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$100,000	\$75,000	\$75,000	\$75,000	\$325,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$100,000	\$75,000	\$75,000	\$75,000	\$325,000
Total	\$0	\$100,000	\$75,000	\$75,000	\$75,000	\$325,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Implementation of Rio Salado Master Plan

This project funds a phased implementation of the Rio Salado Park Master Plan beginning in FY21-22, beginning with the development of conceptual plans for multiple activity zones on the north side of Rio Salado Park. CIP funds will likely be combined with public private partnership funds to allow for the increased potential for additional recreational amenities. Funding has been identified for future years, following the development of the activity zones, which will more clearly identify potential amenities and their funding needs.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6309909	7/1/2020			6/30/2032		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$747,130	\$0	\$0	\$0	\$0	\$747,130
Total	\$947,130	\$100,000	\$100,000	\$100,000	\$100,000	\$1,347,130
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Development Impact Fees	\$747,130	\$0	\$0	\$0	\$0	\$747,130
Total	\$947,130	\$100,000	\$100,000	\$100,000	\$100,000	\$1,347,130
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Indian Bend Wash Repair and Renovation

The purpose of the Indian Bend Wash (IBW) System is to contain local flows and convey them efficiently through the cities of Scottsdale and Tempe and into the Salt River. The City of Tempe is required to provide maintenance of the IBW associated with the habitat improvements in accordance with an agreement with the Flood Control District (FCD) of Maricopa County. Each year the FCD inspects the Indian Bend Wash Outlet and provides a written inspection report to the city identifying needed repairs. This project will fund the ongoing repairs needed to fulfill the City's agreement to maintain the Indian Bend Wash, including the removal of deep rooted and other woody vegetation within the riprap and restoration of levee per Flood Control District specifications; back filling of tunnels created by wild life and cracks in the levee; repair of missing bricks and wall caps on floodwalls; removal of any debris that has the potential of limiting the flood control capacity of this reach of the wash; and any misc. infrastructure repairs and replacement, including those to the pump infrastructure, pond edge, pathways and vegetation.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6308159	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$49,299	\$0	\$0	\$0	\$0	\$49,299
Total	\$79,299	\$30,000	\$30,000	\$30,000	\$30,000	\$199,299
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$79,299	\$30,000	\$30,000	\$30,000	\$30,000	\$199,299
Total	\$79,299	\$30,000	\$30,000	\$30,000	\$30,000	\$199,299
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Kiwanis Tennis Center Asset Preservation

The Kiwanis Tennis Center (KTC) was built in 1975 and the tennis were renovated in 2018. This project will rehabilitate and replace court equipment and infrastructure to ensure the health and safety of participants and audiences and the continued successes and growth of the tennis program.

FY2024-25: Life cycle replacement of teaching equipment, nets, and windscreens. FY2025-26 Life Cycle replacement, repair and updates of 16 tennis courts.

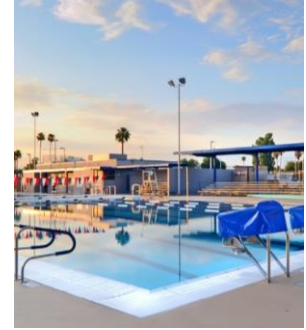


Project Priority Type						
Asset Preservation						
Primary City Council Priority and Performance Measure Addressed						
	Quality of Life	3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.				
Project Number		Estimated Start		Estimated Completion		
N/A		7/1/2024		Ongoing		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$0
Survey / Staking		\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$0	\$0	\$0	\$100,000	\$125,000 \$225,000
Total		\$0	\$0	\$0	\$100,000	\$125,000 \$225,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
General Obligation Bonds		\$0	\$0	\$0	\$100,000	\$125,000 \$225,000
Total		\$0	\$0	\$0	\$100,000	\$125,000 \$225,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
None						

Capital Improvements Program

McClintock Pool Building Renovation

This project will renovate the existing pool building at McClintock Pool. The rehabilitation will include improvements to the lighting, flooring, plumbing, facility access as well as access such as showers, toilets, sinks, office space, etc. This renovation will provide greater accessibility and functionality to this facility for its user groups, which include City programs and Tempe Union High School District activities.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

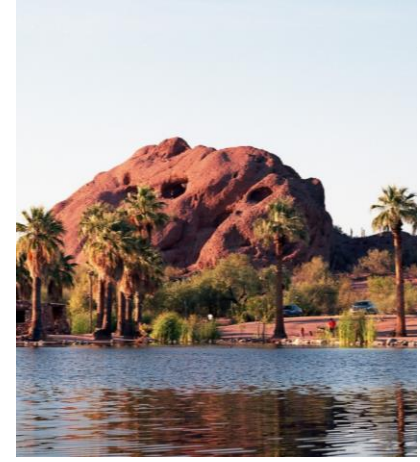
Project Number	Estimated Start			Estimated Completion		
6309919	7/1/2019			4/1/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$155,529	\$0	\$0	\$0	\$0	\$155,529
Total	\$155,529	\$0	\$0	\$0	\$0	\$155,529
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$155,529	\$0	\$0	\$0	\$0	\$155,529
Total	\$155,529	\$0	\$0	\$0	\$0	\$155,529
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Papago Park Management Plan

The City Council recognizes the great value of Papago Preserve including its unique natural, social, cultural, recreational, educational, historic and archeological resources. In 2010, the Regional Papago Park Master Plan was adopted, and Tempe city staff was authorized to participate with the City of Phoenix, the City of Scottsdale and the Salt River Pima Maricopa Indian Community to coordinate a collaborative structure to implement prioritized tasks in that plan.

In March 2018, voters determined that the park should be a Preserve. Parks & Recreation will develop a management plan to identify necessary improvements, methods of care, and a ten-year implementation plan. A separate project will implement the components of the management plan.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6309469	7/1/2018			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Archaeological Monitoring & Mitigation

The Parks and Recreation Division currently has several projects underway and planned that have been identified as needing possible archeological mitigation. Given the unknowns related to the archeological process and difficulties in calculating costs, this project provides funding for unforeseen expenses related to historical and archaeological studies and potential remediation for all Parks and Recreation capital improvement projects.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6310359	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Total	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Concrete and Sports Court Replacement and Renovation

This project funds the regular replacement or resurfacing of park basketball courts, tennis/pickleball courts, or plazas, as well as other park concrete related infrastructure. This project also funds general sidewalk repairs and necessary corrections to the deficiencies listed in the ADA transition plan.

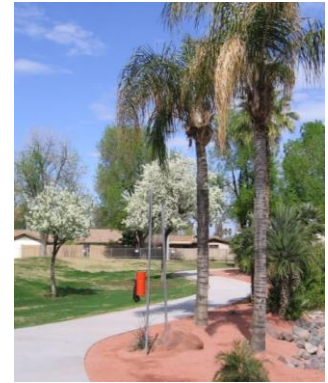
Additional projects include:

FY 2023-24: Kiwanis Sister Cities design

FY 2023-24: Kiwanis Sister Cities construction; Kiwanis Ballfield Plaza design

FY 2024-25: Kiwanis Ballfield Plaza construction

FY 2025-26: Kiwanis Lake Sidewalk design; 6th St. Park Sidewalk construction



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6305119	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$50,000	\$50,000	\$0	\$120,000	\$220,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$245,000	\$250,000	\$650,000	\$360,000	\$415,000	\$1,920,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$84,107	\$0	\$0	\$0	\$0	\$84,107
Total	\$429,107	\$400,000	\$800,000	\$460,000	\$635,000	\$2,724,107
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$429,107	\$400,000	\$800,000	\$460,000	\$635,000	\$2,724,107
Total	\$429,107	\$400,000	\$800,000	\$460,000	\$635,000	\$2,724,107
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Drainage Infrastructure

There are over 200 storm structures throughout the park system, which are part of a larger drainage and storm drain system. In some parks there is infrastructure related to drainage from streets into parks or on-site drainage at the parks such as bubbler boxes and dry wells. Several parks are having issues associated with the drainage of water including bubbler boxes backing up and slow draining retention basins. Additionally, turf in detention parks and flood irrigated areas drain slowly. This project will fund solutions to the drainage issues in neighborhood and community parks, as well as sports complexes.



Scheduled projects, include:

FY 2021-22: Dwight, Ehrhardt, and Tempe Sports Complex drainage structures

FY 2022-23: Hudson

FY 2023-24: Various park drainage

FY 2024-25: Various park drainage

FY 2025-26: Various park drainage

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6308169	7/1/2017			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$100,000	\$25,000	\$25,000	\$25,000	\$25,000	\$200,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$416,755	\$0	\$0	\$0	\$0	\$416,755
Total	\$516,755	\$25,000	\$25,000	\$25,000	\$25,000	\$616,755
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$516,755	\$25,000	\$25,000	\$25,000	\$25,000	\$616,755
Total	\$516,755	\$25,000	\$25,000	\$25,000	\$25,000	\$616,755
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$16,000
Total	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$16,000

Capital Improvements Program

Park Electrical Repair

This project will fund the repair and replacements of service entry sections (SES) identified in the most recent ARC Flash Studies and funds the next study in FY 2025. Additionally, many sport lighting and area light timers are beyond their useful life, requiring replacement to newer and more efficient models. Finally, as underground electrical infrastructure continues to age, new wire and conduit pathways need to be added to existing electrical systems.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6307659	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$30,000	\$0	\$30,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$125,000	\$125,000	\$125,000	\$95,000	\$125,000	\$595,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$182,163	\$0	\$0	\$0	\$0	\$182,163
Total	\$307,163	\$125,000	\$125,000	\$125,000	\$125,000	\$807,163
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$307,163	\$125,000	\$125,000	\$125,000	\$125,000	\$807,163
Total	\$307,163	\$125,000	\$125,000	\$125,000	\$125,000	\$807,163
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Emergency Repairs

Each year due to the age of our facilities, weather, and other unforeseen incidences, there are unscheduled infrastructure failures requiring repair. Even with a program of regular infrastructure replacements there will be some failure(s) or demands which cannot wait for their scheduled replacement. This project creates funding to address the unexpected infrastructure failures, public health and safety issues, and/or contractual obligations. In recent years due to an aging parks and recreation facility system, a series of emergency and/or unexpected infrastructure repairs and replacements has been required. In past years this funding has been used for replacement of trees and other park assets due to storm damage, replacement of batting cage infrastructure due to flooding, and levee repair at Indian Bend Wash.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6305989	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$187,920	\$100,000	\$50,000	\$50,000	\$50,000	\$437,920
Total	\$187,920	\$100,000	\$50,000	\$50,000	\$50,000	\$437,920
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$187,920	\$100,000	\$50,000	\$50,000	\$50,000	\$437,920
Total	\$187,920	\$100,000	\$50,000	\$50,000	\$50,000	\$437,920
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Parks Improvements - Contingency Fund - Grants/Other

This CIP creates spending authority for grants and other funding that are received mid-year.

Projects will be based on an asset management, best practices approach to ensure that the most critical elements, using condition rating spread throughout the entire park system, take priority.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
6309863		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Grants/Other Funding	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

Capital Improvements Program

Park Infrastructure/Equipment Replacement

This project funds the replacement of picnic tables/equipment, benches, trash & recycle receptacles, drinking fountains, backstops, fencing, soccer goals, signage, sand, rubber safety surfacing maintenance and repair, etc. in the City's parks.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6399829	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$450,093	\$300,000	\$230,790	\$230,000	\$230,000	\$1,440,883
Total	\$450,093	\$300,000	\$230,790	\$230,000	\$230,000	\$1,440,883
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$450,093	\$300,000	\$230,790	\$230,000	\$230,000	\$1,440,883
Total	\$450,093	\$300,000	\$230,790	\$230,000	\$230,000	\$1,440,883
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Irrigation Systems

Tempe maintains living infrastructure in parks and sports complexes including trees, shrubs, groundcovers, and turf through multiple irrigation methods, including flood, drip, bubbler and spray heads. Much of the irrigation infrastructure has extended beyond its useful life. This project funds modifications and replacements of irrigation systems components, and where possible, will be combined with other existing CIP projects, such as playground and sport field renovations, in order to maximize benefits and minimize park impacts. This project will also fund the full conversion of irrigation controllers, including the installation of flow meters and master valves, in order to efficiently and effectively manage irrigation.



Scheduled projects include:

FY 2021-22: Irrigation installation, replacement or modification at Tempe Beach (construction) and Selleh (design); new irrigation controllers

FY 2022-23: Irrigation installation, replacement or modification at Selleh (construction) and Benedict Sports Complex (design); Kiwanis pump station (design); new irrigation controllers

FY 2023-24: Irrigation installation, replacement or modification at Campbell and Benedict Sports Complex (construction); Kiwanis pump station (construction); new irrigation controllers

FY 2024-25: Irrigation installation, replacement or modification at Benedict (construction); new irrigation controllers

FY 2025-26: New irrigation controllers

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6305999	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$10,000	\$125,000	\$0	\$0	\$0	\$135,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$175,000	\$310,000	\$450,000	\$250,000	\$100,000	\$1,285,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000
Other Project Costs	\$198,397	\$0	\$0	\$0	\$0	\$198,397
Total	\$423,397	\$475,000	\$490,000	\$290,000	\$140,000	\$1,818,397
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$383,397	\$435,000	\$450,000	\$250,000	\$100,000	\$1,618,397
Water/Wastewater Fund	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000
Total	\$423,397	\$475,000	\$490,000	\$290,000	\$140,000	\$1,818,397
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$4,000	\$6,000	\$8,000	\$10,000	\$12,000	\$40,000
Total	\$4,000	\$6,000	\$8,000	\$10,000	\$12,000	\$40,000

Capital Improvements Program

Park Lake Improvements

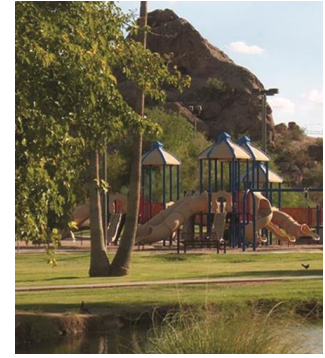
Within the 6 parks (Hallman Park, Selleh Park, Kiwanis Park, Papago South, Indian Bend Habitat Ponds and Tempe Town Lake), Tempe maintains the lake edge, boating infrastructure and requires periodic dredging of the lakes. Erosion of the lake edge results in an unstable ground surrounding the water. This project will fund the reconstruction of eroded lake edges to prevent further erosion, line lakes to improve water retention, and add elements to improve water quality.

Scheduled projects include:

FY 2021-22: Selleh lake edge, bottom & aeration system design

FY 2022-23: Selleh lake edge, bottom & aeration system construction; Hallman lake edge, bottom & aeration system design

FY 2023-24: Hallman lake edge, bottom & aeration system construction



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6307629	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$60,000	\$60,000	\$0	\$0	\$0	\$120,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$525,000	\$525,000	\$0	\$0	\$1,050,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$60,000	\$585,000	\$525,000	\$0	\$0	\$1,170,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$60,000	\$585,000	\$525,000	\$0	\$0	\$1,170,000
Total	\$60,000	\$585,000	\$525,000	\$0	\$0	\$1,170,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Landscape Renovation & Buffer

Many of Tempe's parks include landscape areas consisting of plants, shrubs, trees, concrete headers, groundcover, and drip irrigation. Much of this infrastructure has extended beyond its useful life and needs to be renovated. Additionally, many parks border residential walls with sprinkled turf; these areas also include park assets, such as SES cabinets and irrigation controllers that are within turf areas. This project will fund moving sprinkler heads away from walls, along with installing a concrete header and decomposed granite buffers between parks and residential walls. These changes will increase the life of park assets and reduce irrigation overspray onto private property. Costs will include irrigation modifications, as well as decomposed granite and concrete header installation.



The following projects will be completed:

FY 21/22: Moeur landscape renovation; Dwight landscape buffer and landscape renovation; Redden landscape buffer

FY 22/23: Creamery landscape buffer and landscape renovation; Scudder and Goodwin landscape buffers

FY 23/24: Hallman, Rotary, Cole and Palmer landscape renovations; Ehrhardt, Celaya and Optimist landscape buffers

FY 24/25: Esquer landscape renovation; Gaicki landscape buffer and landscape renovation

FY 25/26: Meyer, Mitchell, Hanger and Jaycee landscape renovations

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6309789	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$190,000	\$100,000	\$275,000	\$60,000	\$125,000	\$750,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$190,000	\$100,000	\$275,000	\$60,000	\$125,000	\$750,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$190,000	\$100,000	\$275,000	\$60,000	\$125,000	\$750,000
Total	\$190,000	\$100,000	\$275,000	\$60,000	\$125,000	\$750,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Park Lighting System Replacement & Renovation

This project provides for the continued funding for establishing the re-lamping of area and security light fixtures in city parks with LEDs and for light pole replacement in city parks.

There are more than 3,000 light poles providing area and security lighting in city parks with an approximate life cycle for the lamps of 5 years (note: this is different from the very specialized sports field lighting in a different CIP). This project will proactively re-lamp area lights with LED based on a condition assessment matrix and existing projects. This project has been accelerated to achieve full conversion by the end of FY 2023. Benefits of LED lights include a longer life cycle, reduced energy use compared to High Pressure Sodium (HPS) lights, and reduced maintenance and utility costs. Funding will also be utilized to begin replacing light poles identified in the FY19/20 light pole study.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6305489	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$880,887	\$300,000	\$250,000	\$250,000	\$250,000	\$1,930,887
Total	\$880,887	\$300,000	\$250,000	\$250,000	\$250,000	\$1,930,887
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$880,887	\$300,000	\$250,000	\$250,000	\$250,000	\$1,930,887
Total	\$880,887	\$300,000	\$250,000	\$250,000	\$250,000	\$1,930,887
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Playground Infrastructure & Equipment Replacement & Renovation

Park Playground Infrastructure & Equipment Replacement & Renovation

This project funds the complete replacement of all equipment and safety surfacing in park playgrounds. Each playground is brought into compliance with current Consumer Products Safety Commission (CPSC), American Society for Testing and Materials (ASTM) and American with Disabilities Act (ADA) guidelines, standards and law. Playgrounds will also include 100% rubber safety surfacing and other elements that match Tempe's recreational value standard, including equipment that meets inclusivity index standards. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be implemented.

This project will consist of the following full playground replacements:

FY 2021-22: Meyer, Mitchell, and Redden (construction); Creamery and Kiwanis North (design)

FY 2022-23: Creamery and Kiwanis North (construction); Campbell and Waggoner (design)

FY 2023-24: Campbell and Waggoner (construction)

FY 2024-25: Daley (design)

FY 2025-26: Daley (construction); Kiwanis Romero and Papago (design)

Funding in FY 2021-22 thru FY 2023-24 has been included to hire a temporary project manager.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6305499	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$340,000	\$120,000	\$0	\$50,000	\$0	\$510,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,912,544	\$1,090,000	\$650,000	\$0	\$520,000	\$4,172,544
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$300,000	\$200,000	\$200,000	\$0	\$200,000	\$900,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$2,290,000	\$90,000	\$90,000	\$0	\$0	\$2,470,000
Total	\$4,842,544	\$1,500,000	\$940,000	\$50,000	\$720,000	\$8,052,544
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$4,842,544	\$1,500,000	\$940,000	\$50,000	\$720,000	\$8,052,544
Total	\$4,842,544	\$1,500,000	\$940,000	\$50,000	\$720,000	\$8,052,544
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$10,143	\$35,950	\$42,712	\$46,093	\$49,474	\$184,372
Total	\$10,143	\$35,950	\$42,712	\$46,093	\$49,474	\$184,372

Capital Improvements Program

Park Projects - Impact Fee Funded

Development Impact Fees are a funding source representing development's proportionate share of infrastructure costs and are used to construct system improvements needed to accommodate new development. In the Parks and Recreation category, several types of park improvement projects are eligible to be funded with development impact fees as identified in a 2015 development fee study. These include installation of new lighting, adding sport courts, and other projects that expand the capacity for park utilization. Projects defined in the Parks and Recreation Master Plan to maintain level of service as population increases may also be eligible for impact fee funding. This project authorizes spending authority for eligible projects, as they are determined through staff and public input, and uses impact fees as the funding source.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6310369	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Development Impact Fees	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Ramadas Replacement

Tempe maintains ramadas in neighborhood and community parks. This CIP will replace/renovate ramadas to ensure they are safe, accessible and in good working condition. It funds the full replacement (including design) or minor renovation of park ramadas based on a life cycle or condition rating. Additionally, projects are scheduled in conjunction with identified playground renovations, in order to minimize park impact. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be implemented.



Scheduled replacement or minor renovations include the following parks:

FY 2021-22: Escalante, Moeur, Mitchell (renovations)
FY 2022-23: Hudson and Creamery (renovation); Campbell (design)
FY 2023-24: Campbell (construction); Indian Bend Wash (renovation)
FY 2024-25: Esquer, Papago South, Joyce, Gaicki (renovations)
FY 2025-26: Jaycee (renovations); Kiwanis Fishing Ramadas and Romero (design)

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6307639	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$25,000	\$0	\$0	\$0	\$25,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$325,000	\$100,000	\$100,000	\$275,000	\$320,000	\$1,120,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$120,858	\$0	\$0	\$0	\$0	\$120,858
Total	\$445,858	\$125,000	\$100,000	\$275,000	\$320,000	\$1,265,858
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$445,858	\$125,000	\$100,000	\$275,000	\$320,000	\$1,265,858
Total	\$445,858	\$125,000	\$100,000	\$275,000	\$320,000	\$1,265,858
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Parks and Recreation Master Plan

The Parks & Recreation master plan was last completed in 2001 and is currently out of date. The new master plan will guidance for the next 15 years for Tempe's parks and recreational facilities.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6309479	1/1/2019			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$9,579	\$0	\$0	\$0	\$0	\$9,579
Total	\$9,579	\$0	\$0	\$0	\$0	\$9,579
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$9,579	\$0	\$0	\$0	\$0	\$9,579
Total	\$9,579	\$0	\$0	\$0	\$0	\$9,579
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Park Recreational Value Enhancements

This project will fund park improvements to bring city parks up to the "recreational value" standard as measured by the number of amenities that exist in the park. Methodology for implementing this CIP addresses base amenity standardization. Base amenities consist of playgrounds (full rubber surfacing, shade structure, single structure, individual elements, and inclusive equipment), shaded picnic areas, trees and miscellaneous site furnishings. Parks will be addressed in conjunction with already scheduled CIP projects that impact park footprint, such as playground and ramada renovations. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be implemented. This project will also fund enhancements to the most popular and highly used sports fields and outdoor volleyball courts, such as benches, bleachers, dugout windscreens, scoreboards, safety netting and shade canopies for bleachers.



Scheduled projects include:

FY 2021-22: Dwight, Meyer, Redden and Mitchell ramadas (construction); Alegre, Svob, Selleh, Scudder and Goodwin ramadas (design); Alegre, Escalante and Kiwanis Fiesta playgrounds (minor)

FY 2022-23: Alegre, Svob, Selleh, Scudder and Goodwin ramadas (construction); Optimist, Cole, Rotary and Waggoner ramadas (design); Goodwin and Hudson playgrounds (minor)

FY 2023-24: Optimist, Cole, Rotary, Waggoner ramadas (construction); Stroud ramada (design); Optimist, Cole and Rotary playgrounds (minor)

FY 2024-25: Stroud ramada (construction); Joyce, Esquer, Harelson and Stroud playgrounds (minor); foul ball safety netting

FY 2025-26: Jaycee and Papago South playgrounds (minor); foul ball safety netting

Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6308189	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$100,000	\$140,514	\$35,000	\$0	\$0	\$275,514
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$700,000	\$930,000	\$1,433,162	\$1,668,162	\$1,318,162	\$6,049,486
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$468,952	\$0	\$0	\$0	\$0	\$468,952
Total	\$1,268,952	\$1,070,514	\$1,468,162	\$1,668,162	\$1,318,162	\$6,793,952
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,268,952	\$402,352	\$800,000	\$1,000,000	\$650,000	\$4,121,304
Cash - America Relief Plan	\$0	\$668,162	\$668,162	\$668,162	\$668,162	\$2,672,648
Total	\$1,268,952	\$1,070,514	\$1,468,162	\$1,668,162	\$1,318,162	\$6,793,952
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$7,884	\$17,082	\$23,652	\$24,966	\$24,966	\$98,550
Total	\$7,884	\$17,082	\$23,652	\$24,966	\$24,966	\$98,550

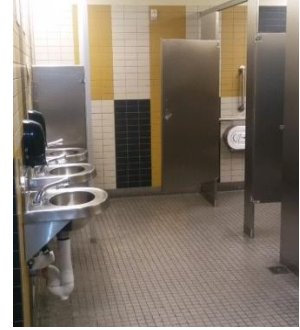
Capital Improvements Program

Park Restrooms Renovations/Replacement

This project funds full restroom replacements and partial renovations. Restrooms undergoing full replacements require design and will generally be rebuilt in the same location and only relocated when necessary and practical. This CIP will replace/renovate restrooms to ensure they are safe, accessible and in good working condition. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be implemented.

Scheduled projects include:

FY 2021-22: Evelyn Hallman, Marina, Papago South and Tempe Beach Park (partials); Kiwanis North and Concession (design)
FY 2022-23: Jaycee, Selleh and Hollis (partials)
FY 2023-24: Kiwanis Fiesta, Sister Cities and South Lake (partials); Kiwanis North and Concession (construction)
FY 2024-25: Daley and Hudson (partials); Connolly and McKemy (design)
FY 2025-26: McKemy (construction); Kiwanis Romero (design)



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6307649	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$100,000	\$0	\$0	\$75,000	\$60,000	\$235,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$180,000	\$120,000	\$780,000	\$35,000	\$200,000	\$1,315,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$430,000	\$120,000	\$780,000	\$110,000	\$260,000	\$1,700,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$430,000	\$120,000	\$780,000	\$110,000	\$260,000	\$1,700,000
Total	\$430,000	\$120,000	\$780,000	\$110,000	\$260,000	\$1,700,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$3,973	\$3,973	\$3,973	\$9,423	\$21,342
Total	\$0	\$3,973	\$3,973	\$3,973	\$9,423	\$21,342

Capital Improvements Program

Park Sign Package Study / Design

This project funds a study and the design for neighborhood park signage, which is currently in need of structural, aesthetic and informational updates and improvements. The study and subsequent design will address the following: concrete monument markers, parks rules and regulations signs, educational signs, and wayfinding signs (including accessibility features where applicable). The construction and installation of signs will be funded through the asset specific Park Infrastructure/Equipment Replacement CIP project.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
6308679		7/1/2017		6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

Capital Improvements Program

Park Sports Field Renovation

The city has 27 ballfields and 40 soccer fields in neighborhood parks, community parks, regional parks and sports complexes.

This project will fund:

Softball and baseball infield renovations by removing existing infield material and warning track mix, laser level, spike, roll and replace with a product that is dust free and allows play to continue very quickly even after rain. The replacement infield material and warning track mix will last approximately 5-10 years and requires less maintenance.

Soccer fields renovations include aerification, leveled sand, new sprinkler heads, fertilization and sod or hydro-stolons, where necessary. Soccer fields occur on a 5-7 year schedule at sports complexes and community parks, and 10-12 years at neighborhood parks.



Scheduled projects include:

FY 2021-22: Kiwanis (4 soccer); Alegre and Escalante (1 soccer)

FY 2022-23: Tempe Sports Complex (3 soccer); Goodwin (1 soccer); Daley refresh (2 ballfields)

FY 2023-24: Stroud and Hanger (1 soccer), Benedict (2 soccer); Kiwanis refresh (4 ballfields)

FY 2024-25: Estrada and Celaya (1 soccer); Benedict (2 soccer); Tempe Sports Complex refresh (5 ballfields); Tempe Beach Park refresh (1 ballfield)

FY 2025-26: Campbell, Harelson, Mitchell and Corbell (1 soccer); Waggoner (2 soccer); Papago refresh (1 ballfield)

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number		Estimated Start			Estimated Completion	
6305969		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$178,314	\$100,000	\$150,000	\$125,000	\$175,000	\$728,314
Total	\$178,314	\$100,000	\$150,000	\$125,000	\$175,000	\$728,314
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$178,314	\$100,000	\$150,000	\$125,000	\$175,000	\$728,314
Total	\$178,314	\$100,000	\$150,000	\$125,000	\$175,000	\$728,314
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Parks Urban Forest

This project funds new trees in neighborhood, community parks and regional parks, as well as sports complexes, to implement the municipal portion of the Urban Forest Master Plan's tree 25% tree and shade canopy coverage performance measure. Where possible, tree planting projects will occur in conjunction with other, already scheduled projects, such as playground, ramada, or irrigation renovations, ensuring parks are negatively impacted as little as possible. Tree amounts will initially be planted to 75% of the 25 trees per acre strategy first; a second planting will be planned to reach the final 25%, ensuring tree plantings are adequately spaced to provide a diverse age range of trees; in rare cases, where a large number of trees are needed, plantings may be spread over three occurrences.

This project also funds replacement trees lost to storm damage, natural senescence (age), vandalism, and accident. An industry standard rate of 2% each year will be used for replacements until data provides a more clear annual number.

Scheduled projects include:

FY 2021-22: Mitchell, Redden, Stroud, Alegre, Optimist, Meyer, Dwight, Corbell, Waggoner, Tempe Sports Complex and Kiwanis; annual replacements

FY 2022-23: Creamery, Goodwin, Hanger, Hudson, Kiwanis Park and Tempe Sports Complex; annual replacements

FY 2023-24: Campbell, Estrada, Optimist, Kiwanis, Benedict Sports Complex and Tempe Sports Complex; annual replacements

FY 2024-25: Ehrhardt, Arredondo, Indian Bend, Joyce, Kiwanis Park, Benedict Sports Complex and Tempe Sports Complex; annual replacements

FY 2025-26: Hudson, Corbell, Kiwanis and Tempe Sports Complex; annual replacements



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.11 Achieve a citywide (City and private property) 25% tree and shade canopy by 2040.

Project Number	Estimated Start			Estimated Completion		
6309489	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$542,210	\$368,000	\$388,000	\$377,500	\$362,500	\$2,038,210
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$542,210	\$368,000	\$388,000	\$377,500	\$362,500	\$2,038,210
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$542,210	\$368,000	\$388,000	\$377,500	\$362,500	\$2,038,210
Total	\$542,210	\$368,000	\$388,000	\$377,500	\$362,500	\$2,038,210
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$30,400	\$50,880	\$74,560	\$96,560	\$116,160	\$368,560
Total	\$30,400	\$50,880	\$74,560	\$96,560	\$116,160	\$368,560

Capital Improvements Program

Pickleball Courts

This project designs and builds eight (8) dedicated pickleball courts at the Tempe Sports Complex. In conjunction with this project, Tempe's ADA Transition Plan for infrastructure compliance will be implemented. This project is substantially complete and remaining funds will be used for needed corrections.



Project Priority Type
Systems Expansions

Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number		Estimated Start			Estimated Completion		
6308859		7/1/2017			6/30/2022		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking		\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$75,195	\$0	\$0	\$0	\$0	\$75,195
Total		\$75,195	\$0	\$0	\$0	\$0	\$75,195
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance		\$75,195	\$0	\$0	\$0	\$0	\$75,195
Total		\$75,195	\$0	\$0	\$0	\$0	\$75,195
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None							

Capital Improvements Program

Rercreation Emergency Repairs

This project creates funding to address the unexpected failures, public safety, and/or contractual obligations. Each year, aging facilities, weather or other incidents cause unscheduled infrastructure and equipment failures that require repair or replacement. Even with a program of regular infrastructure replacements there will be some failures or demands that cannot wait for scheduled replacement. A few examples of emergencies are pool heater failure, broken fitness equipment and damage to fencing and netting caused by wind damage.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6310529	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Total	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Total	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Splash Playground - Kiwanis Park

This project will provide remote options, and access for maintenance and technical support of the splash playground features.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
6308501	3/1/2020			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$89,302	\$0	\$0	\$0	\$0	\$89,302
Total	\$89,302	\$0	\$0	\$0	\$0	\$89,302
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$89,302	\$0	\$0	\$0	\$0	\$89,302
Total	\$89,302	\$0	\$0	\$0	\$0	\$89,302
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Sports Facility Relamping

This project provides funding for regular re-lamping of our sports facilities' lighting systems to ensure optimum light levels. It establishes a 5-year cycle of re-lamping and cleaning of light fixtures for all non-LED softball/baseball fields, soccer fields, swimming pools, and skate parks, as well as basketball, volleyball, racquetball, tennis, and pickleball courts.

Scheduled projects include:

FY 2022-23: Papago, McKemy and Connolly; Diablo soccer; Tempe Sports Complex ballfields, soccer and skate park; McClintock pool

FY 2023-24: Jaycee ballfield, Tempe high schools' tennis courts; Tempe Beach Park ballfield

FY 2024-25: Benedict soccer



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.16 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of City recreation, arts, and cultural centers" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

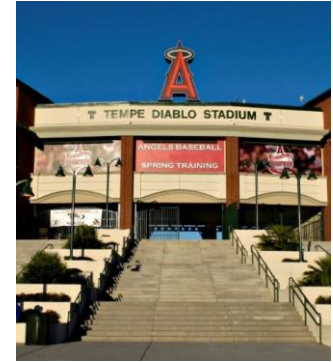
Project Number	Estimated Start			Estimated Completion		
6309929	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$123,941	\$200,000	\$50,000	\$20,000	\$0	\$393,941
Total	\$123,941	\$200,000	\$50,000	\$20,000	\$0	\$393,941
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$123,941	\$200,000	\$50,000	\$20,000	\$0	\$393,941
Total	\$123,941	\$200,000	\$50,000	\$20,000	\$0	\$393,941
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Diablo Stadium Improvements/Repairs

Tempe Diablo Stadium was constructed in the late 1960's and has undergone several renovations since that time including an extensive renovation in 2005. This project will provide for the ongoing critical maintenance of the facility and its systems. The major portion of work is intended to investigate and recommend repairs to the aging concrete structure. Also in process are grease trap replacements and elevator design updates for FY20/21. Additionally, there are repairs needed for concrete, roofing, fencing, and issues relating to HVAC's, mechanical and electrical, and plumbing systems as well as reoccurring annual minor improvements needed. The impacted areas will include but may not be limited to the grandstands, concourse, stairwells and locker room areas. Future additional funding for this project is dependent on the outcome of the Diablo Stadium Complex Master Plan and any direction given by the City Council.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number	Estimated Start			Estimated Completion		
6308139	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$150,246	\$150,000	\$150,000	\$150,000	\$150,000	\$750,246
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$150,246	\$150,000	\$150,000	\$150,000	\$150,000	\$750,246
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Capital Projects Fund Balance	\$246	\$0	\$0	\$0	\$0	\$246
General Obligation Bonds	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Total	\$150,246	\$150,000	\$150,000	\$150,000	\$150,000	\$750,246
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Police Program

FY 2021/22- FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
9-1-1/Radio Recording Equipment Refresh	N/A	General Obligation Bonds	-	-	-	-	500,000	-	-	500,000
Armored Rescue Vehicle Replacement	5510299	General Obligation Bonds	-	450,000	450,000	-	-	-	-	450,000
City Regional Radio System Maintenance and Replacement	5501989	General Obligation Bonds	200,000	1,128,791	1,328,791	6,442,953	3,180,053	1,310,903	2,748,444	15,011,144
	3407449	Solid Waste Fund	20,000	41,449	61,449	42,215	43,009	43,827	44,668	235,168
	3207439	Water / Wastewater Fund	20,000	98,971	118,971	100,042	60,213	61,357	62,535	403,118
		Project Total	240,000	1,269,211	1,509,211	6,585,210	3,283,275	1,416,087	2,855,647	15,649,430
Detention Facility Improvements	5509699	General Obligation Bonds	155,946	20,000	175,946	80,000	-	-	-	255,946
Explosive Ordnance Disposal	5510039	General Obligation Bonds	68,000	-	68,000	-	-	-	-	68,000
<u>Explosive Ordnance Disposal Robots Replacement</u>	N/A	General Obligation Bonds	-	-	-	-	-	-	450,000	450,000
<u>Explosive Ordnance Disposal Deployment Vehicle Replacement</u>	N/A	General Obligation Bonds	-	-	-	-	-	-	575,000	575,000
Evidence Impounded Vehicle Storage Lot	5509909	General Obligation Bonds	704,362	-	704,362	-	-	-	-	704,362
Evidence Refrigerator and Freezer Replacement - Police Property Facility	5510029	General Obligation Bonds	200,000	-	200,000	-	-	-	-	200,000
		Capital Projects Fund	150,000	-	150,000	-	-	-	-	150,000
		Project Total	350,000	-	350,000	-	-	-	-	350,000
Expansion and Replacement of Rifles	5508629	General Obligation Bonds	168,000	-	168,000	-	-	-	-	168,000
Fingerprint Identification System Update	5508999	General Obligation Bonds	134,000	-	134,000	-	-	73,000	-	207,000
Hardy Police Substation - HVAC and Officer Gear Lockers	5510309	General Obligation Bonds	-	250,000	250,000	-	350,000	775,000	-	1,375,000
Incident Command Vehicle Replacement	5510319	General Obligation Bonds	-	400,000	400,000	450,000	-	-	-	850,000
Mobile and Enhanced Computer Replacement	5509189	General Obligation Bonds	-	-	-	100,000	2,250,000			2,350,000
<u>New North Police Substation</u>	N/A	General Obligation Bonds	-	-	-	-	-	5,000,000	-	5,000,000
		Cash - America Relief Plan	-	-	-	-	-	-	15,650,000	15,650,000
		Development Impact Fees	-	-	-	-	-	2,000,000	6,000,000	8,000,000
		Project Total	-	-	-	-	-	7,000,000	21,650,000	28,650,000
Police Analytics Integrated Information System	N/A	General Obligation Bonds	-	-	-	-	-	750,000	-	750,000
Protective and Emergency Preparedness Equipment	5509719	General Obligation Bonds	68,287	150,000	218,287	648,400	40,000	215,000	-	1,121,687

Police Program

FY 2021/22- FY2025/26 CIP Project Listing

New project requests are <u>underlined</u>										
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Public Safety Communications Equipment Replacement	N/A	General Obligation Bonds	-	-	-	1,300,000	-	-	-	1,300,000
SWAT Van Replacement	N/A	General Obligation Bonds	-	-	-	475,000	-	-	-	475,000
Taser Refresh	5508819	General Obligation Bonds	-	93,600	93,600	87,600	93,600	93,600	93,600	462,000
Police Protection Program Total			1,888,595	2,632,811	4,521,406	9,726,210	6,516,875	10,322,687	25,624,247	56,711,425

Capital Improvements Program

9-1-1 / Radio Recording Equipment Refresh

The Communications Bureau provides recordings for 9-1-1 and non-emergency calls as well police radio traffic for Public Records Requests, City Attorney's Office, and outside agencies. The equipment provides protection for the Police Department and the City from liability and aides in the prosecution of suspects on a daily basis. Furthermore, it provides the ability for the Communications Supervisors to conduct regular assessements of employee activity and focus our training on topics needed to better serve our community. The radio recording equipment was replaced in 2013 and the telephone recording equipment was replaced in 2017. Since most technology has a 5-7 year life span, the equipment will need to be replaced during this time frame. While components may be replaced separately, this will cause issues with compatability and when storing and retrieving recordings. As such, this request is to replace the full suite of the recording device to meet the technological needs of the systms, expanding the capability to store Next Generation 9-1-1 information such as video and text messaging in the future.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
N/A		7/1/2023			6/30/2025	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Total	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$0	\$45,000	\$45,000	\$90,000
Total	\$0	\$0	\$0	\$45,000	\$45,000	\$90,000

Capital Improvements Program

Armored Rescue Vehicle Replacement

This project will replace an existing armored rescue vehicle. The Police Department's existing armored rescue vehicle (Bearcat) is almost 11 years old. Armored rescue vehicles are one of the most important tools available to protect citizens and Officers during high risk situations. Their primary use is transporting Tactical Officers to and from hostile situations and assist with the recovery and protection of civilians in harm's way during terrorist threats, hostage incidents, or encounters with large non-compliant crowds. The Bearcat is designed to provide protection from a variety of small arms, explosives, and improvised explosive device threats. It is designed to protect the public and Officers from gunfire during hostile incidents as it provides ballistic protection. The vehicle can hold up to 16-18 people.

The purpose of this project is to replace the Tempe Police Department's armored rescue vehicle with an updated armored rescue vehicle after the current vehicle has been in service 15 years (FY 2020-21).



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5510299	7/1/2021			12/31/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Regional Radio System Maintenance and Replacement

The City of Tempe currently utilizes the Regional Wireless Cooperative (RWC), a regional Project 25 700/800 MHz interoperable radio system. The RWC has sixteen partners and many other interoperable partners, allowing for seamless interoperability among federal, state, transit, county and municipal users. To support the infrastructure, maintenance, upgrades and support staff, RWC members must pay ongoing yearly costs. The RWC system makes significant use of the 700 MHz public safety frequency band, and as such is cognizant of the upcoming FCC requirement to narrowband operations to achieve 6.25 kHz equivalent efficiency in that band. The RWC has communicated to its users, including Tempe that it plans to upgrade to Project 25 Phase 2 TDMA operations within the next six years in order to comply with the FCC’s mandate. Tempe is responsible for upgrading and/or replacing “end user” equipment to accommodate this upgrade.

All Tempe municipal, police and fire portable and mobile radios must be replaced. Dispatch equipment used at the Apache Police substation, Emergency Operations Center, Fleet Maintenance, Hardy Police substation, Johnny G Martinez Water facility and the Water Reclamation Building will also need to be replaced and or upgraded. This project will continue to allow secure, day-to-day, real time communications between Tempe users as well as allowing interoperability between Tempe and the sixteen other member agencies and the numerous other partner agencies.

Future upgrades to municipal radios will be done by repurposing refreshed police and fire radios. Repurposing these radios will both save money and provide a extended use of purchased hardware.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
5501989		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$1,509,211	\$6,585,210	\$3,283,275	\$1,416,087	\$2,855,647	\$15,649,430
Total	\$1,509,211	\$6,585,210	\$3,283,275	\$1,416,087	\$2,855,647	\$15,649,430
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,328,791	\$6,442,953	\$3,180,053	\$1,310,903	\$2,748,444	\$15,011,144
Solid Waste Fund	\$61,449	\$42,215	\$43,009	\$43,827	\$44,668	\$235,168
Water/Wastewater Fund	\$118,971	\$100,042	\$60,213	\$61,357	\$62,535	\$403,118
Total	\$1,509,211	\$6,585,210	\$3,283,275	\$1,416,087	\$2,855,647	\$15,649,430
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$800,000
Total	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$800,000

Capital Improvements Program

Detention Facility Improvements

This is an improvement request to renovate, improve, and replace fixtures and locks that are either faulty or at End-of-life (EOL). The majority of lighting fixtures, toilet fixtures and locks have not been replaced or remodeled in 20 years. To maintain and preserve the infrastructure of the Detention Facility, the Detention Facility is in need of replacement of lighting fixtures, toilet fixtures, locks, and other detention facility related items for the health and welfare of the employees, arrestees, and the facility. The Tempe Police Department Detention Facility is able to house 50 arrested individuals at any given time, 24 hours a day, 7 days a week. The facility consists of 22 cells, which include lighting fixtures, toilet fixtures, and locks on each of the cell doors, as well as locks on exterior doors of the facility. The Detention Bureau’s overall responsibility is to maintain care, custody, and control of those arrested so they are safe, do not have the opportunity to escape, or the ability to take control of the facility.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Sustainable Growth & Development

4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number		Estimated Start			Estimated Completion		
5509699		7/1/2019			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0	
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0	
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0	
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	
Construction / Installation / Improvement	\$20,000	\$80,000	\$0	\$0	\$0	\$100,000	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0	
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$155,946	\$0	\$0	\$0	\$0	\$155,946	
Total	\$175,946	\$80,000	\$0	\$0	\$0	\$255,946	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
General Obligation Bonds	\$175,946	\$80,000	\$0	\$0	\$0	\$255,946	
Total	\$175,946	\$80,000	\$0	\$0	\$0	\$255,946	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

Capital Improvements Program

Explosive Ordnance Disposal

The Tempe Police Department will be in need of a large frame robot in the next 5 years to continue effective operation of its bomb squad unit. The bomb squad is currently operating a large frame robot (Remotec F6A) that was purchased with federal grant money in 2005. The F6A is effectually a large remotely operated robotic platform that is capable of service to the bomb squad in diagnosing and rendering safe suspect packages as well improvised explosive devices (IED's). It also is capable of utilizing multiple attached tools to gain access to suspect vehicles and deploying render safe countercharges against vehicle borne improvised explosive devices (VBIED's). The arm and gripper is capable of lifting up to 65 lbs, the robot can traverse obstacles up to 18" high, and is able to extend a camera up to 72" off the ground to look over obstacles or into truck beds. The F6A can also operate wirelessly up to ½ mile from the operator.

In addition to the above bomb squad tasks the F6A is also utilized in missions supporting the tactical team on calls for service involving dangerous individuals, which keeps officers out of harm's way in reconnaissance, intelligence collection and multiple other tasks including breaching barricaded doors and windows, flattening tires of suspect vehicles, moving obstacles and negotiating via 2 way radio. The police department's large frame robot is now 15 years old and it will require replacement in five years due to normal wear and tear during hundreds of deployments in that time that . The technology in the F6A is becoming obsolete due to recent advances in robotics that greatly increase functionality and range of operation.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5510039	7/1/2020			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$68,000	\$0	\$0	\$0	\$0	\$68,000
Total	\$68,000	\$0	\$0	\$0	\$0	\$68,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$68,000	\$0	\$0	\$0	\$0	\$68,000
Total	\$68,000	\$0	\$0	\$0	\$0	\$68,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Explosive Ordnance Disposal Robot Replacement

The Tempe Police Department will be in need of a large frame robot in the next 5 years to continue effective operation of its bomb squad unit. The bomb squad is currently operating a large frame robot (Remotec F6A) that was purchased with federal grant money in 2005. The F6A is effectually a large remotely operated robotic platform that is capable of service to the bomb squad in diagnosing and rendering safe suspect packages as well improvised explosive devices (IED's). It also is capable of utilizing multiple attached tools to gain access to suspect vehicles and deploying render safe countercharges against vehicle borne improvised explosive devices (VBIED's). The arm and gripper is capable of lifting up to 65 lbs, the robot can traverse obstacles up to 18" high, and is able to extend a camera up to 72" off the ground to look over obstacles or into truck beds. The F6A can also operate wirelessly up to ½ mile from the operator.

In addition to the above bomb squad tasks the F6A is also utilized in missions supporting the tactical team on calls for service involving dangerous individuals, which keeps officers out of harm's way in reconnaissance, intelligence collection and multiple other tasks including breaching barricaded doors and windows, flattening tires of suspect vehicles, moving obstacles and negotiating via 2 way radio. The police department's large frame robot is now 15 years old and it will require replacement in five years due to normal wear and tear during hundreds of deployments in that time that . The technology in the F6A is becoming obsolete due to recent advances in robotics that greatly increase functionality and range of operation.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$450,000	\$450,000
Total	\$0	\$0	\$0	\$0	\$450,000	\$450,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$0	\$450,000	\$450,000
Total	\$0	\$0	\$0	\$0	\$450,000	\$450,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Explosive Ordnance Disposal Deployment Vehicle Replacement

This project will replace the Department’s 20-year-old Explosives Ordinance Disposal (EOD) vehicle. This vehicle is used to store specialized EOD equipment and is used to transport this equipment to scenes where there is significant risk of harm to one or more members of our community. The equipment that is secured within this vehicle is necessary to safeguard victims, innocent bystanders and our officers. By having the ability to transport this equipment to any location, EOD detectives are able to employ tactics that have the greatest chance of resolving dangerous situations. The current vehicle has surpassed its life expectancy and the EOD team needs more storage space for equipment. The new EOD vehicle would provide the additional storage space needed and would help ensure that this critically important equipment will be available when needed. The purpose of this project is to replace the Tempe Police Department's EOD response vehicle which was purchased in 2005. By the time this project is approved the vehicle will be 20 years old.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$575,000	\$575,000
Total	\$0	\$0	\$0	\$0	\$575,000	\$575,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$0	\$575,000	\$575,000
Total	\$0	\$0	\$0	\$0	\$575,000	\$575,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Evidence Impounded Vehicle Storage Lot

The Police Department is seeking funding to develop a parcel of land for storing and maintaining all impounded vehicles the Police Department seizes for criminal justice purposes. On average, the Police Department seizes and impounds over 700 vehicles a year. These vehicles are often held for extended periods of time based on State law and the severity of the case for which they were seized. Currently, these vehicles are stored at multiple locations which make it extremely difficult and time consuming for Property Unit staff and case detectives to secure and manage them.

This project is being considered as part of the 2018-19 Citywide Facility Planning Project by MAKERS. The Police Department needs a short-term storage solution on city owned property to alleviate current conditions and a long-term solution which coincides with the City’s master plan on City owned property.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.07 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Local Police Services" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number		Estimated Start			Estimated Completion		
5509909		7/1/2015			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0	
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0	
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0	
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0	
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$704,362	\$0	\$0	\$0	\$0	\$704,362	
Total	\$704,362	\$0	\$0	\$0	\$0	\$704,362	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
General Obligation Bonds	\$704,362	\$0	\$0	\$0	\$0	\$704,362	
Total	\$704,362	\$0	\$0	\$0	\$0	\$704,362	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

Capital Improvements Program

Evidence Refrigerator and Freezer Replacement - Police Property Facility

In 2007, the Police property facility was built and equipped with essential hardware required to manage and store all property and evidence. The property facility is equipped with two walk-in freezers, one walk-in refrigerator, two drying cabinets, a vehicle lift, rolltop gates and two forklifts. This equipment is critical to the impounding, storage and maintenance of all property and evidence at the Tempe Police Department. As the building ages, so does this essential equipment and its age has resulted in increased issues including temporary failure, increased services calls and complete equipment failures. Currently, the Police property facility secures and stores over 250,000 items of property with over 11,000 items that must be impounded and maintained in a refrigerator or freezer. Property and evidence is impound at the police Hardy, Headquarters and Apache stations using multiple lockers and two compact refrigerators used to secure the evidence immediately until it can be transported to the main Property Facility. Wet or soiled fabrics and clothing that need to be dried are placed in drying cabinets before permanent impounding at the main property facility. Items that are evidentiary in nature including biological evidence must be properly packaged, impounded and stored using essential hardware for immediate and long-term storage. We are requesting to replace and/or overhaul essential equipment at the Police property facility to maintain optimum performance and adequately preserve and secure all police related evidence.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5510029	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$350,000	\$0	\$0	\$0	\$0	\$350,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$350,000	\$0	\$0	\$0	\$0	\$350,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Capital Projects Fund Balance	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$350,000	\$0	\$0	\$0	\$0	\$350,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

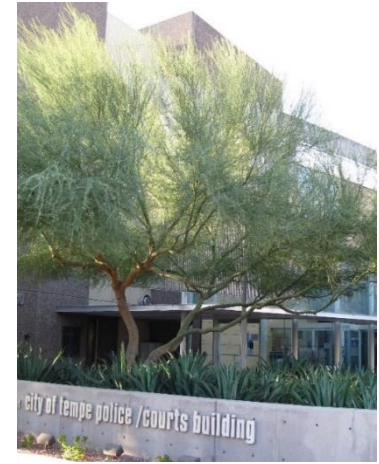
None

Capital Improvements Program

Expansion and Replacement of Rifles

This project will allow for the replacement of SWAT & EOD rifles in FY 2020-21. The teams current rifles have reached their end of life expectancy at 9 years old and over approximately 36,000 rounds through each rifle. Therefore, need to be replaced due to common wear and tear, as well as seeking improvement in technology.

These rifles are the primary weapon for all SWAT Operators, and are used in rapid mobilization responses to planned and unplanned events, demonstrations, and active and hostile incidents. Funding this project ensures our SWAT operators are equipped with the necessary tools and resources needed to safely respond and address public safety threats while keeping our officers and community safe.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



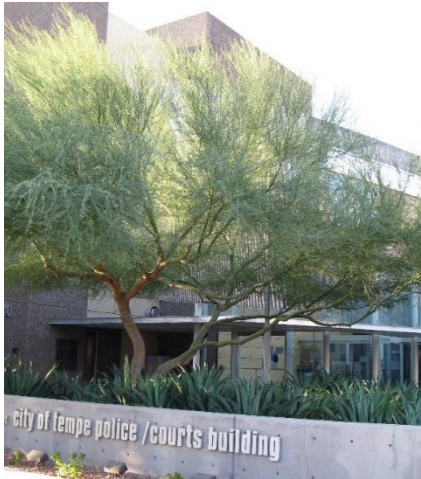
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5508629	7/1/2017			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$168,000	\$0	\$0	\$0	\$0	\$168,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$168,000	\$0	\$0	\$0	\$0	\$168,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$168,000	\$0	\$0	\$0	\$0	\$168,000
Total	\$168,000	\$0	\$0	\$0	\$0	\$168,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fingerprint Identification System Update

This project will continue to allow technological updates the Police Department’s fingerprint identification equipment by replacing technology that has passed its useful life expectancy and adding additional technology to create greater workload efficiencies. These systems provide a means to produce consistent, high quality fingerprint images directly into an inkless, digital format to create criminal history records. As current equipment reaches its life expectancy, it must be replaced to ensure there is no disruption of fingerprint processing services. In addition, these systems are the only approved means to transmit City of Tempe fingerprint records to the Department of Public Safety (DPS) and the Federal Bureau of Investigations (FBI). Specific equipment needing to be replaced and added includes three Morpho Livescan machines, a store and forward computer and a latent print workstation. Expansion of this project will address inefficiencies in the Department’s fingerprint process by adding two additional workstations: One additional Livescan machine at the Detention facility and a latent print workstation will be added in the Forensic Services Unit (FSU) to address resource-use conflicts. This expansion will further allow for equipment replacement and expected maintenance, as it is anticipated the lead agency we are mandated to be in compliance with (DPS) will also undergo technological upgrades which will necessitate us following suit.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
5508999		7/1/2018		6/30/2028		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$134,000	\$0	\$0	\$73,000	\$0	\$207,000
Total	\$134,000	\$0	\$0	\$73,000	\$0	\$207,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$134,000	\$0	\$0	\$73,000	\$0	\$207,000
Total	\$134,000	\$0	\$0	\$73,000	\$0	\$207,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Hardy Police Substation - HVAC and Officer Gear Lockers

The Tempe Police Substation at 8201 S. Hardy Dr., was built in 1995 and currently houses Police personnel assigned to Patrol, Training and Hiring, Firearms and our Volunteer Program. This building is utilized 24 hours a day 7 days a week and houses over 80 employees. This project request is to replace the lockers and upgrade the A/C system in the firing range from an evaporative air cooler to a HVAC system and construct an officer duty gear/equipment locker. During summer months, the range is inoperable because the evaporative cooler cannot adequately cool down the facility to hold training or any other activities. This is not covered under the Facility Asset Replacement Program since this request would be considered an upgrade to the current system. Currently Officers at the Hardy Substation do not have a gear/equipment locker to house their equipment between shifts. The new facility will provide a secure and temperature controlled facility to safeguard their equipment when not in use.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Sustainable Growth & Development	4.14 Achieve an average Facilities Condition Index (FCI) less than or equal to the national benchmark standards.

Project Number		Estimated Start		Estimated Completion		
5510309		7/1/2021		6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$350,000	\$775,000	\$0	\$1,125,000
Furnishings / Equipment	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$250,000	\$0	\$350,000	\$775,000	\$0	\$1,375,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$250,000	\$0	\$350,000	\$775,000	\$0	\$1,375,000
Total	\$250,000	\$0	\$350,000	\$775,000	\$0	\$1,375,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Incident Command Vehicle Replacement

This project will replace the existing Incident Command Vehicle. The Police Department has a large vehicle that serves as a mobile command post for City special events, local and multi-jurisdictional task force operations, criminal investigations (i.e. missing person/child searches), and natural disasters that occur locally and statewide. This command van is self-contained with work stations, a small meeting room, a restroom, equipment, and computer technology necessary to provide an investigative and emergency operation center on scene, in the field. Given the vehicle is over 19 years old, there are significant amounts of downtime for repairs, and technology has outpaced our replacement schedule. As a result, an important asset has become less available for critical investigations, large events, and major incidents in Tempe and surrounding communities.

With all of the aging mechanical and electronic components, coupled with the inadequate design for current needs, a new command vehicle is needed. Research has taken place to remodel the current van; however, it was determined this approach would be impractical and not cost effective. After inquiries, it was determined that it would be more cost efficient to replace the current Command Vehicle with two smaller vehicles. The two smaller sized vehicles would also be easier to deploy. Based on this information, the Police Department is seeking funding to replace the current command vehicle with two smaller vehicles. The new mobile command post vehicles will allow for adequate work, meeting and planning space; and updated technology and communication capabilities critical to personnel who will be responding to and managing significant incidents, events, and investigations in our community.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

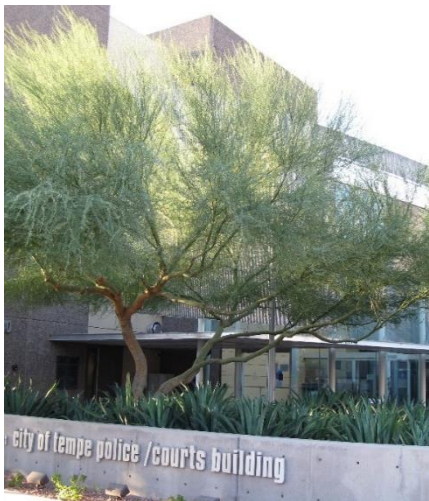
Project Number	Estimated Start			Estimated Completion		
5510319	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$400,000	\$450,000	\$0	\$0	\$0	\$850,000
Total	\$400,000	\$450,000	\$0	\$0	\$0	\$850,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$400,000	\$450,000	\$0	\$0	\$0	\$850,000
Total	\$400,000	\$450,000	\$0	\$0	\$0	\$850,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$3,000	\$3,000	\$3,000	\$3,000	\$12,000
Total	\$0	\$3,000	\$3,000	\$3,000	\$3,000	\$12,000

Capital Improvements Program

Mobile and Enhanced Computer Replacement

Police mobile and enhanced computers are essential for field and Investigative employees to maintain constant access to a fully integrated public safety system. The public safety system is comprised of Computer-Aided Dispatch (CAD), Records Management System (RMS), Evidence management, Investigative Case Management and crime scene mapping as well as analytical systems. Mobile computers provide field employees with the ability to communicate with each other, respond to citizen calls for service and complete police reports, field contacts and arrest/bookings. Enhanced computers also provide investigative field employees with the ability to manage their entire case from both the office and field, map crime and accidents scenes and perform analysis and intelligence research.

Mobile computers, enhanced computers, vehicle mounts, desktop mounts and other related equipment need to be replaced every 5 years to limit system failure, ensure employees have access to critical current hardware and safeguard employee access to the fully integrated public safety system. Mobile or enhanced computer failure negatively impacts officers from responding to citizen calls for service, writing and submitting police reports, investigating cases and accessing critical information needed to perform their daily job functions.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
5509189		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$100,000	\$2,250,000	\$0	\$0	\$2,350,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$100,000	\$2,250,000	\$0	\$0	\$2,350,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$100,000	\$2,250,000	\$0	\$0	\$2,350,000
Total	\$0	\$100,000	\$2,250,000	\$0	\$0	\$2,350,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

New North Police Substation (land cost not included)

In support of Tempe Police Departments key initiatives, reduce crime/fear of crime and community and regional engagement, and in accordance with the City's Facilities Master Plan (Makers April 2019), this project will provide design services and construction of a new Police Substation in North Tempe. This substation will house North Patrol Operations, Investigation Division and all associated support functions. With the growth and urbanization of North Tempe the Police Department is restructuring patrol services by adding another patrol division: Central, North, and South. The new division of patrolling services will also be emulated in the Communications Bureau, together each bureau will provide more efficient policing services throughout the city. The Investigations Division (Criminal and Special Investigation Bureaus) will also relocate from headquarters. The vacated spaces will make room for the Courts/Justice Center Expansion and for the Metro Bureau (Bikes, Special Events, Gangs, and Homeland Defense). The new substation will house approximately 150 police employees. This project is the starter/1st phase for many project to come as noted in the Facilities Master Plan (Makers study pg. 86 flow chart) and directly affects the following projects: 1) Vacated the Hawk Substation, 2) Vacated the Bike area in the garden level, 3) vacated building #2 at HQ (Courts Modernization/expansion). See Makers and Arrington Watkins 2019 Studies for details. Please note these are estimated in 2019 dollars and this project is partially funded through development impact fees established in 2015. Spending down of the impact fees must start by 2025. Land costs are not included in the project estimates.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.07 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Local Police Services" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

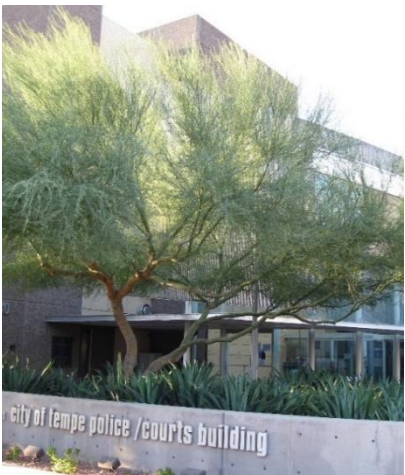
Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$5,000,000	\$18,454,118	\$23,454,118
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$3,195,882	\$3,195,882
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$7,000,000	\$21,650,000	\$28,650,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
Cash - America Relief Plan	\$0	\$0	\$0	\$0	\$15,650,000	\$15,650,000
Development Impact Fees	\$0	\$0	\$0	\$2,000,000	\$6,000,000	\$8,000,000
Total	\$0	\$0	\$0	\$7,000,000	\$21,650,000	\$28,650,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Police Analytics Integrated Information System

This project will integrate hardware and software of several crime and intelligence systems. Strategic and Criminal Analysis and Intelligence is one of the Police Department's key initiatives, which requires the Department to have quality information and actionable criminal intelligence to make sound decisions and effectively solve problems. Integrating hardware, software, public safety/open source databases currently being utilized, and leveraging emerging predictive analytics and immediate access to information found in wireless and mobile environments requires the Police Analytics systems to be modernized. Wireless and mobile environment include: live feeds, public-private cameras, video doorbells, drones, body worn cameras, cell phones, the cloud, big data sources, GIS, and informatics/visualization dashboards. Future analytical capabilities and the ones we have today that need to be integrated include: CAD, RMS, LPR, COPLINK, GIS-GPS, ACCURINT, Evidence.com, video feeds-CCTV, to name a few. Having timely and reliable access to these systems and the information within them are vital to achieving this initiative and proactively address crime in our community.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion		
N/A		7/1/2024			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0	
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0	
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0	
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0	
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0	
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0	
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0	
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0	
ITD / Telecommunications	\$0	\$0	\$0	\$750,000	\$0	\$750,000	
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$0	\$0	\$0	\$750,000	\$0	\$750,000	
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
General Obligation Bonds	\$0	\$0	\$0	\$750,000	\$0	\$750,000	
Total	\$0	\$0	\$0	\$750,000	\$0	\$750,000	
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year	
None							

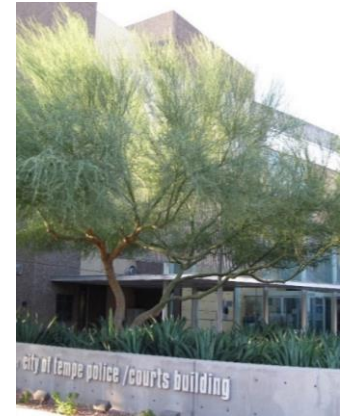
Capital Improvements Program

Protective and Emergency Preparedness Equipment

This request is to replace Department's current inventory of emergency preparedness and protective equipment. In FY 21-22, it will be necessary to replace the tactical night vision optics due to outdated technology as well as the equipment reaching end of life, as they are over 15 years old.

In FY 22-23, replace ballistic helmets issued to every sworn personnel in the Department. The helmets ensure the safety of our police officers during the performance of their duties including serving warrants, contacting barricaded subjects as well as protecting officers and citizens of Tempe during any active shooter type incident. Also planned for replacement are 30 rifle and pistol shields and ballistic vest capable of defeating rifle ammunition for Field Operations and SWAT. In FY 23-24, replace tactical/MSU helmets.

In FY 24-25 we will be replacing motor helmets for the Traffic Officers and tactical heavy vest for SWAT and CAST reaching end of useful life. These vests are rifle rated, therefore provided to these teams for necessary protection when entries are made during search warrants, barricaded subjects, active shooter and/or all tactical situations.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5509719	7/1/2017			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$218,287	\$648,400	\$40,000	\$215,000	\$0	\$1,121,687
Total	\$218,287	\$648,400	\$40,000	\$215,000	\$0	\$1,121,687
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$218,287	\$648,400	\$40,000	\$215,000	\$0	\$1,121,687
Total	\$218,287	\$648,400	\$40,000	\$215,000	\$0	\$1,121,687
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Public Safety Communications Equipment Replacement

This project will replace all monitors, furniture and equipment in the 911 Emergency Call Center and Dispatch Facility. This facility was built in 2008 and used 24/7/365 to receive emergency calls for service and dispatch appropriate police personnel as needed. The equipment undergoes extensive wear and tear, beyond that of normal office equipment, and will need to be replaced to maintain the operational capability of assigned personnel. With advances in technology, the Call Center will need to replace the audio/visual display system and static single-monitor/software concept, to a flexible as-needed display profile. This system will allow a Dispatcher to set up a display in a manner conducive to a comfortable working environment. Furthermore, the system will allow a supervisor or other team member to share the information with all employees on duty within the Call Center at the same time.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$700,000	\$0	\$0	\$0	\$700,000
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$600,000	\$0	\$0	\$0	\$600,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$1,300,000	\$0	\$0	\$0	\$1,300,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$1,300,000	\$0	\$0	\$0	\$1,300,000
Total	\$0	\$1,300,000	\$0	\$0	\$0	\$1,300,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

SWAT Van Replacement

This project will replace the Department’s 16 year old Special Weapons And Tactics (SWAT) vehicle, which is currently the oldest tactical response vehicles in the region. This vehicle is used to store specialized tactical team equipment and is used to transport this equipment to scenes where there is significant risk of harm to one or more members of our community. The equipment that is secured within this vehicle is absolutely necessary to safeguard victims, innocent bystanders and our officers. By having the ability to transport this equipment to any location, tactical officers are able to employ tactics that have the greatest chance of resolving dangerous situations peacefully. The current vehicle has surpassed its life expectancy and the team is in need of more storage space for their equipment. A new SWAT vehicle would provide the additional storage space needed and would help ensure that this critically important equipment will be available when and where it is needed.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$475,000	\$0	\$0	\$0	\$475,000
Total	\$0	\$475,000	\$0	\$0	\$0	\$475,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$475,000	\$0	\$0	\$0	\$475,000
Total	\$0	\$475,000	\$0	\$0	\$0	\$475,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Taser Refresh

The purpose of this project is to replace all departmental Tasers, conducted electrical weapons, issued as part of the Taser Refresh in 2013; the warranty for these units expires in December 2017. Funds allocated for the project would be used to purchase: 400 Tasers, 400 Taser battery packs, 400 Taser holsters, 2500 Taser cartridges, 4 Taser data download systems, training, and a 4 year Taser warranty. Failure to fund this project could result in an increase in non-warranted equipment malfunctions and an increased risk of injury to both officers and suspects during use of force encounters. All sworn police officers are issued a Taser as part of their assigned equipment.



Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Safe & Secure Communities	1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
5508819		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$93,600	\$87,600	\$93,600	\$93,600	\$93,600	\$462,000
Total	\$93,600	\$87,600	\$93,600	\$93,600	\$93,600	\$462,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$93,600	\$87,600	\$93,600	\$93,600	\$93,600	\$462,000
Total	\$93,600	\$87,600	\$93,600	\$93,600	\$93,600	\$462,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Storm Drains Program

FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
<u>13th Street and UPRR Storm Drain</u>	N/A	General Obligation Bonds	-	-	-	-	-	-	33,450	33,450
		Flood Control District - Maricopa County	-	-	-	-	-	-	33,450	33,450
		Project Total	-	-	-	-	-	-	66,900	66,900
Mill Avenue Drainage Improvements	N/A	General Obligation Bonds	-	-	-	58,000	450,385	-	-	508,385
		Flood Control District - Maricopa County	-	-	-	58,000	450,385	-	-	508,385
		Project Total	-	-	-	116,000	900,770	-	-	1,016,770
Roosevelt Storm Drain	N/A	General Obligation Bonds	-	-	-	-	430,500	1,449,500	-	1,880,000
		City of Scottsdale	-	-	-	-	430,500	1,449,500	-	1,880,000
		Flood Control District - Maricopa County	-	-	-	-	-	3,760,000	-	3,760,000
		Project Total	-	-	-	-	861,000	6,659,000	-	7,520,000
Storm Drain Improvements	5899971	General Obligation Bonds	541,895	403,000	944,895	526,000	300,000	300,000	300,000	2,370,895
Watson Drive - Bonarden Lane Drainage Improvements	5810079	General Obligation Bonds	40,670	451,340	492,010	-	-	-	-	492,010
		Flood Control District - Maricopa County	40,670	500,000	540,670	-	-	-	-	540,670
		Project Total	81,340	951,340	1,032,680	-	-	-	-	1,032,680
Storm Drains Program Total			623,235	1,354,340	1,977,575	642,000	2,061,770	6,959,000	366,900	12,007,245

Capital Improvements Program

13th St and UPRR Storm Drain

This project was identified using the Teme Drainage Master Study. The drainage solutions for this area are focused on providing additional storage to reduce stormwater runoff volume entering the stormdrain, as well as increasing the capacity of the stormdrain system. Possible flood mitigation components for this area include increasing retention at Birchett Park and/or using the Gammage lot as offline retention solution. It also could include using the Union Pacific Railroad (UPRR) parcel south of 13th Street for retention and upsizing the existing 36" pipe (to 48") crossing under the UPRR tracks. The costs in Fiscal Year 2025/26 are for design, with construction funding needed in a future year. Engineering staff will look for opportunities to partner with the Maricopa County Flood Control District for grant funding opportunities.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$1,000	\$1,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$2,000	\$2,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$63,900	\$63,900
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$66,900	\$66,900
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$0	\$33,450	\$33,450
Flood Control District - Maricopa County	\$0	\$0	\$0	\$0	\$33,450	\$33,450
Total	\$0	\$0	\$0	\$0	\$66,900	\$66,900
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Mill Avenue Drainage Improvements

This is the fifth highest ranked project in the Tempe Drainage Master Study. It is a project that will be eligible for Flood Control District of Maricopa County Project Funding. The project will focus on increasing the downstream stormdrain capacity, as well as connection of two separate stormdrain systems to provide relief to the systems, and increased capture capacity in the area of potential flooding. Possible flood mitigation components for this location include: 1) Provide relief to the storm drainage system by replacement/addition of 1000'-24" storm drain along Mill Ave to connect to 13th St. system. Upsize 13th St. pipe from 30" to 42" to the Union Pacific Rail Road (UPRR) and the UPRR crossing pipe to 48"; 2) Provide additional capture capacity by replacement of 18" storm drain with 24" and addition of new catch basin.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
N/A		7/1/2024		6/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$8,000	\$0	\$0	\$8,000
Land Acquisition	\$0	\$0	\$21,000	\$0	\$0	\$21,000
Permit / Agency Fees	\$0	\$0	\$23,000	\$0	\$0	\$23,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$116,000	\$0	\$0	\$0	\$116,000
Survey / Staking	\$0	\$0	\$7,000	\$0	\$0	\$7,000
Inspection & Construction Management	\$0	\$0	\$50,000	\$0	\$0	\$50,000
Geotech / Material Testing	\$0	\$0	\$7,000	\$0	\$0	\$7,000
Contingency	\$0	\$0	\$71,000	\$0	\$0	\$71,000
Construction / Installation / Improvement	\$0	\$0	\$713,770	\$0	\$0	\$713,770
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$116,000	\$900,770	\$0	\$0	\$1,016,770
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$58,000	\$450,385	\$0	\$0	\$508,385
Flood Control District - Maricopa County	\$0	\$58,000	\$450,385	\$0	\$0	\$508,385
Total	\$0	\$116,000	\$900,770	\$0	\$0	\$1,016,770
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Roosevelt Storm Drain

This is the highest ranked project in the Tempe Drainage Master Study. The Flood Control District of Maricopa County recommended and approved this project for the District's Capital Improvement Program funding at 50% match and requires participation from the City of Tempe and the City of Scottsdale. The project will focus on increasing the stormdrain capacity and increasing the capture capacity to provide relief for areas of current and potential future flooding. The proposed Roosevelt Street stormdrain is an extension of the existing 78-inch stormdrain that outlets to IBW at Roosevelt Street. New stormdrains are also proposed to capture the flows in the east-west streets north of Roosevelt Street/Continental Drive (in Scottsdale), including new laterals in 74th Street., 70th Street, and 68th Street. A fourth lateral is proposed at the west end of Continental Drive, through Supai Middle School, to intercept the 100-year, 6-hour peak discharge that is released through the 42-inch culvert underneath the Crosscut Canal. In addition to the proposed lateral stormdrains, inlets will also be added along Roosevelt Street/Continental Drive at the upstream side of intersecting streets to collect runoff before it can leave the roadway gutter and flow to the south, improving drainage conditions for the neighborhood areas south of Continental Dr./Roosevelt St.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$8,000	\$56,000	\$0	\$64,000
Land Acquisition	\$0	\$0	\$0	\$250,000	\$0	\$250,000
Permit / Agency Fees	\$0	\$0	\$24,000	\$163,000	\$0	\$187,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$829,000	\$0	\$0	\$829,000
Survey / Staking	\$0	\$0	\$0	\$55,000	\$0	\$55,000
Inspection & Construction Management	\$0	\$0	\$0	\$2,000	\$0	\$2,000
Geotech / Material Testing	\$0	\$0	\$0	\$55,000	\$0	\$55,000
Contingency	\$0	\$0	\$0	\$553,000	\$0	\$553,000
Construction / Installation / Improvement	\$0	\$0	\$0	\$5,525,000	\$0	\$5,525,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$861,000	\$6,659,000	\$0	\$7,520,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$430,500	\$1,449,500	\$0	\$1,880,000
City of Scottsdale Matching Funds	\$0	\$0	\$430,500	\$1,449,500	\$0	\$1,880,000
Flood Control District - Maricopa County	\$0	\$0	\$0	\$3,760,000	\$0	\$3,760,000
Total	\$0	\$0	\$861,000	\$6,659,000	\$0	\$7,520,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

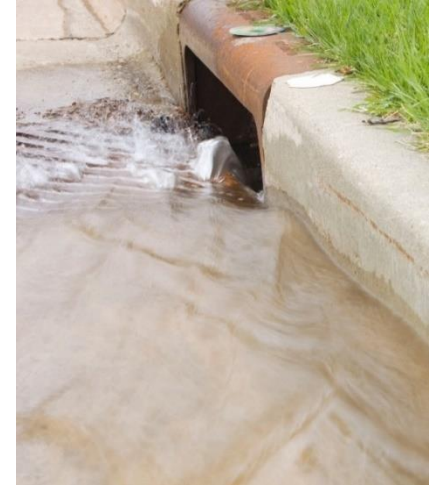
Capital Improvements Program

Storm Drain Improvements

The city's storm drainage system includes approximately 225 miles of storm drains, 3,600 catch basins, 1,670 storm manholes and two railroad underpass pump stations. This CIP project funds the following asset maintenance and improvements to the storm drainage system:

- 1) Replacement of substandard storm drain infrastructure (mainly catch basins) in conjunction with street reconstruction projects.
- 2) Repair and replace storm drain infrastructure as identified by the Water Utilities Storm Drain Assessment Program.
- 3) Small projects identified from the 2019 Stormwater Management Master Plan.
- 4) Safety and access improvements to the railroad underpass pump stations located at Rural Road and McClintock Drive

These activities will improve our storm drain system in areas across the City to enhance safety and lower the risk of flooding and property damage.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



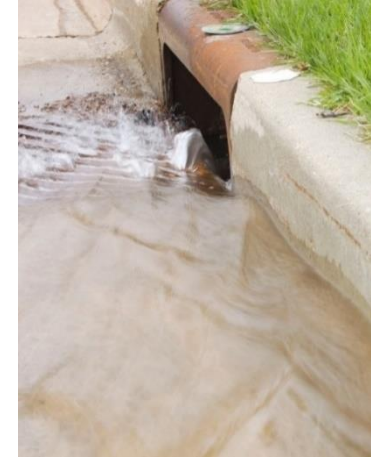
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5899971	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$2,000	\$4,000	\$2,000	\$2,000	\$2,000	\$12,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$11,000	\$14,000	\$8,000	\$8,000	\$8,000	\$49,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$39,000	\$29,000	\$29,000	\$29,000	\$29,000	\$155,000
Survey / Staking	\$4,700	\$4,000	\$2,000	\$2,000	\$2,000	\$14,700
Inspection & Construction Management	\$37,450	\$31,000	\$17,000	\$17,000	\$17,000	\$119,450
Geotech / Material Testing	\$4,700	\$4,000	\$2,000	\$2,000	\$2,000	\$14,700
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$822,000	\$440,000	\$240,000	\$240,000	\$240,000	\$1,982,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$24,045	\$0	\$0	\$0	\$0	\$24,045
Total	\$944,895	\$526,000	\$300,000	\$300,000	\$300,000	\$2,370,895
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$944,895	\$526,000	\$300,000	\$300,000	\$300,000	\$2,370,895
Total	\$944,895	\$526,000	\$300,000	\$300,000	\$300,000	\$2,370,895
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Watson Drive - Bonarden Lane Drainage Improvements

This is the third highest ranked project in the Tempe Drainage Master Study. This project is a recipient of the Flood Control District of Maricopa County Small Project Funding. This area has been subject to multiple structure flooding events. The drainage solutions in this area are focused on providing storage area (provides relief to the existing overtaxed stormdrain system) and connecting multiple stormdrain systems to provide relief to the systems. Possible flood mitigation components for this location include: An additional storm drain outlet from the neighborhood by adding a 36" pipe to connect from Watson Drive to Rural Road. And, either increasing storage volume at Scudder Park or adding a new storm drain from the neighborhood to connect to the existing Kiwanis system along Watson Drive, Palm Drive, and Sesame Street to College Avenue.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed

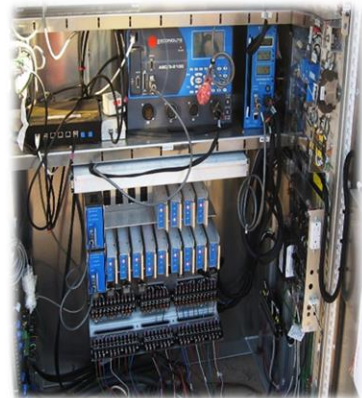


Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5810079	3/1/2021			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$5,000	\$0	\$0	\$0	\$0	\$5,000
Land Acquisition	\$8,000	\$0	\$0	\$0	\$0	\$8,000
Permit / Agency Fees	\$16,000	\$0	\$0	\$0	\$0	\$16,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$181,140	\$0	\$0	\$0	\$0	\$181,140
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$18,000	\$0	\$0	\$0	\$0	\$18,000
Geotech / Material Testing	\$8,500	\$0	\$0	\$0	\$0	\$8,500
Contingency	\$72,300	\$0	\$0	\$0	\$0	\$72,300
Construction / Installation / Improvement	\$723,740	\$0	\$0	\$0	\$0	\$723,740
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,032,680	\$0	\$0	\$0	\$0	\$1,032,680
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$492,010	\$0	\$0	\$0	\$0	\$492,010
Flood Control District - Maricopa County	\$540,670	\$0	\$0	\$0	\$0	\$540,670
Total	\$1,032,680	\$0	\$0	\$0	\$0	\$1,032,680
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Transportation Program

Transportation projects total \$51.0 million in FY 2021/22 and account for 15% of the 2021/22 appropriated CIP budget



The Transportation element of the Capital Improvements Program includes all new and ongoing improvements put into service under the City's Transportation and Right-of-Way, and Traffic Signal and Street Lighting programs. Combined the two programs represent \$51 million of the Capital Improvements Budget for FY 2021/22.

In FY 2021/22 the main funding sources for transportation projects are the planned issuance of \$37.4 million in general obligation bonds, \$7 million from the transportation fund, and the balance from existing transportation capital project funds, federal grants, and other outside funding sources.

The Transportation and Right-of-Way program is scheduled to complete a variety of arterial and residential street maintenance, resurfacing, and reconstruction projects. The Traffic Signal and Street Lighting program is primarily focused on projects that maintain, replace and upgrade various technologies that support the City's traffic signals system, as well as on street light pole replacement.

Traffic Signals and Street Lighting Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are <u>underlined</u>										
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Downtown ITS Operations	6909609	General Obligation Bonds	850,830	-	850,830	-	-	-	-	850,830
Fiber Optic Installation: Downtown	6909619	General Obligation Bonds	621,830	-	621,830	-	-	-	-	621,830
Fiber Optic Installation - University, Broadway Southern, McClintock, and Warner	6909629	General Obligation Bonds	64,000	420,000	484,000	-	-	-	-	484,000
ITS Safety and Performance Upgrades - Phase 2	6908389	General Obligation Bonds	170,758	-	170,758	-	-	-	-	170,758
		Federal Grant - CMAQ	392,010	-	392,010	-	-	-	-	392,010
		Project Total	562,768	-	562,768	-	-	-	-	562,768
ITS Traffic Signal CCTV Upgrades	N/A	Highway User Revenue Fund	-	-	-	-	100,000	85,000	-	185,000
		Federal Grant - CMAQ	-	-	-	-	-	1,500,000	-	1,500,000
		Project Total	-	-	-	-	100,000	1,585,000	-	1,685,000
ITS Traffic Signal Detection Upgrades	N/A	Highway User Revenue Fund	-	-	-	125,000	114,000	-	-	239,000
		Federal Grant - CMAQ	-	-	-	-	2,000,000	-	-	2,000,000
		Project Total	-	-	-	125,000	2,114,000	-	-	2,239,000
New Signals/Safety Upgrades	6906209	General Obligation Bonds	1,330,548	450,000	1,780,548	-	-	-	-	1,780,548
New Traffic Signals - Developer Participation	6909669	Developer Funds	-	450,000	450,000	-	-	-	-	450,000
Priest Dr. Fiber Project	N/A	Highway User Revenue Fund	-	-	-	200,000	114,000	-	-	314,000
		Federal Grant - CMAQ	-	-	-	-	2,000,000	-	-	2,000,000
		Project Total	-	-	-	200,000	2,114,000	-	-	2,314,000
Signal Controller Upgrades (formerly ITS Signal Controller Upgrades)	N/A	Highway User Revenue Fund	-	-	-	-	-	71,250	-	71,250
		Federal Grant - CMAQ	-	-	-	-	-	1,250,000	-	1,250,000
		Project Total	-	-	-	-	-	1,321,250	-	1,321,250
<u>Signal Equipment Upgrade</u>	6910469	Arizona Department of Transportation	-	1,223,000	1,223,000	-	-	-	-	1,223,000
<u>Signal LED Pedestrian Countdown Replacement Units</u>	N/A	General Obligation Bonds	-	-	-	-	-	-	125,000	125,000
<u>Signal Malfunction Monitoring Unit Upgrade</u>	N/A	General Obligation Bonds	-	-	-	-	77,000	77,000	-	154,000
Southern Ave. Fiber Project	N/A	Highway User Revenue Fund	-	-	-	-	200,000	114,000	-	314,000
		Federal Funding	-	-	-	-	-	2,000,000	-	2,000,000
		Project Total	-	-	-	-	200,000	2,114,000	-	2,314,000
Streetlight LED Replacement Program	6908399	General Obligation Bonds	17,781	500,000	517,781	500,000	500,000	500,000		2,017,781
Streetlight Pole Structural Replacement	6999849	General Obligation Bonds	62,127	204,951	267,078	204,951	204,951	204,951	204,951	1,086,882
Streetlight Upgrade/New Installation	6999869	General Obligation Bonds	200,000	167,215	367,215	100,000	100,000	100,000	100,000	767,215

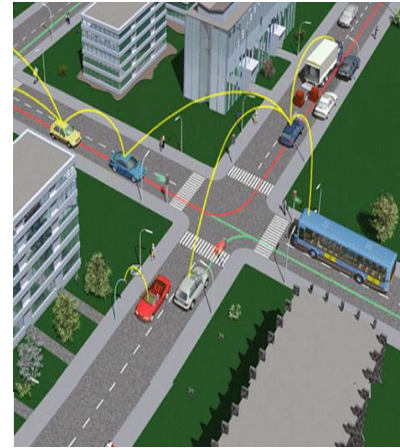
Traffic Signals and Street Lighting Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are <u>underlined</u>										
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
Traffic Management Center Upgrade	6910199	General Obligation Bonds	24,000	245,916	269,916	-	-	-	-	269,916
		Federal Grant - CMAQ	-	743,084	743,084	-	-	-	-	743,084
		Project Total	24,000	989,000	1,013,000	-	-	-	-	1,013,000
Traffic Signal Green Signs	6906229	General Obligation Bonds	168,046	99,522	267,568	99,522	99,522	99,522	99,522	665,656
Traffic Signal Infrastructure	6903383	General Obligation Bonds	100,000	275,000	375,000	275,000	275,000	275,000	275,000	1,475,000
Traffic Signal Pedestrian Access Improvements	6909679	General Obligation Bonds	100,000	-	100,000	50,000	50,000	50,000	50,000	300,000
Update Signalized Intersection Detection	6910209	General Obligation Bonds	50,000	356,000	406,000	212,000	218,000	225,000	250,000	1,311,000
Warner Rd. and Kyrene Canal Bike Ped Signal	6910479	General Obligation Bonds	-	125,000	125,000	381,150	-	-	-	506,150
Western Canal @ Guadalupe Rd Crossing Improvements	6910489	General Obligation Bonds	-	125,000	125,000	381,250	-	-	-	506,250
Traffic Signals and Street Lighting Program Total			4,151,930	5,384,688	9,536,618	2,528,873	6,052,473	6,551,723	1,104,473	25,774,160

Capital Improvements Program

Downtown ITS Operations

The project will provide the City with safety and performance upgrades of its Transportation Systems and Operations network to improve communications reliability and expand its capabilities to view, monitor and actively manage traffic conditions. This project will install new controllers, CCTVs, detection cameras and EMTRAC transit signal priority devices to improve real-time traffic signal operations and improve traffic flow in coordination with the modern streetcar project.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



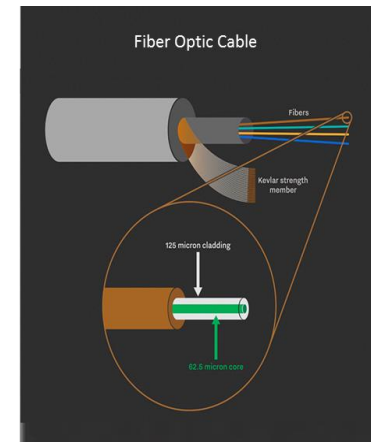
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6909609	7/1/2019			10/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$850,830	\$0	\$0	\$0	\$0	\$850,830
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$850,830	\$0	\$0	\$0	\$0	\$850,830
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$850,830	\$0	\$0	\$0	\$0	\$850,830
Total	\$850,830	\$0	\$0	\$0	\$0	\$850,830
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fiber Optic Installation - Downtown

The project will install new conduit and fiber-optic cable along the downtown portion of the modern street car alignment. The existing underground infrastructure has surpassed its useful life and can no longer meet the current and future infrastructure demands. The existing conduit is severely undersized and is damaged in many locations. Much of the existing communication is copper wire which is unreliable and requires constant troubleshooting. Devices to be installed to complete the system include conduit, fiber, pull boxes, splice closures, patch panels, fiber optic jumper cables, and Ethernet switches. The purpose of this project is to provide the City with a reliable communications network to view, monitor, and actively manage traffic conditions in the downtown. This project will also install vacant conduit to be used for future city needs.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

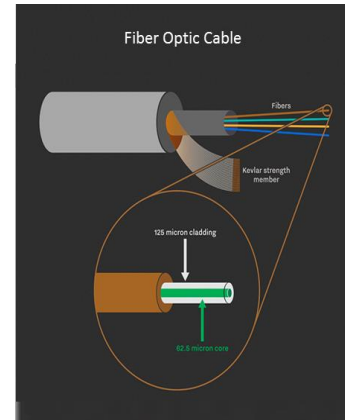
3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
6909619	7/7/2020			8/15/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$621,830	\$0	\$0	\$0	\$0	\$621,830
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$621,830	\$0	\$0	\$0	\$0	\$621,830
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$621,830	\$0	\$0	\$0	\$0	\$621,830
Total	\$621,830	\$0	\$0	\$0	\$0	\$621,830
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fiber Optic Installation - University, Broadway, Southern, McClintock and Warner

The project will install fiber in vacant conduit that was installed by previous projects. The installation of the fiber backbone on Rural Road now provides a framework for branching onto these adjacent roadways. Devices to be installed to complete the system include fiber, pull boxes, splice closures, patch panels, fiber optic jumper cables, and Ethernet switches. The purpose of this project is to provide the City with a reliable communications network to view, monitor, and actively manage traffic conditions. Fiber is more reliable than wireless technologies, has increased bandwidth and eliminates the need for telephone lease lines. The project will add fiber to one mile of University Drive (Rural Road to McClintock Drive), one mile of Broadway Road (Rural Road to Mill Avenue), half of a mile on Southern Avenue (Rural Road to College Avenue), half of a mile on McClintock Drive (University Drive to Apache Blvd) and one mile on Warner Road (Rural Road to McClintock Drive).



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
6909629	7/1/2021			12/31/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$484,000	\$0	\$0	\$0	\$0	\$484,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$484,000	\$0	\$0	\$0	\$0	\$484,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$484,000	\$0	\$0	\$0	\$0	\$484,000
Total	\$484,000	\$0	\$0	\$0	\$0	\$484,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

ITS Safety and Performance Upgrades - Phase 2

The project will provide the City with safety and performance upgrades of its Transportation System and Operations network to improve communications reliability and expand its capabilities to view, monitor and actively manage traffic conditions. This project will install wireless radios, CCTVs and Emergency Vehicle Preemption (EVP) devices to improve real-time traffic signal operations, improve traffic flow and decrease delays. This project is Phase 2 of a larger project that was divided into two phases in order to comply with Maricopa Association of Government (MAG) project funding limits for ITS grants. The project is currently under construction.



Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
6908389	2/15/2020			8/15/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$562,769	\$0	\$0	\$0	\$0	\$562,769
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$562,769	\$0	\$0	\$0	\$0	\$562,769
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$170,758	\$0	\$0	\$0	\$0	\$170,758
Federal Grant - CMAQ	\$392,010	\$0	\$0	\$0	\$0	\$392,010
Total	\$562,768	\$0	\$0	\$0	\$0	\$562,768
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

ITS Traffic Signal CCTV Upgrades

This project will upgrade 150 outdated CCTV cameras throughout the City with new, high resolution units to continue to provide staff with full situational awareness of traffic conditions throughout the City. These CCTV cameras are a major component of the City's Intelligent Transportation System (ITS) and allow staff to monitor the transportation network in real-time and make adjustments as needed to move traffic as safely and efficiently as possible, as referenced in the City's ITS Strategic Plan.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$1,585,500	\$0	\$1,585,500
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$100,000	\$1,585,500	\$0	\$1,685,500
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$0	\$0	\$100,000	\$85,000	\$0	\$185,000
Federal Grant - CMAQ	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000
Total	\$0	\$0	\$100,000	\$1,585,000	\$0	\$1,685,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

ITS Traffic Signal Detection Upgrades

These detection upgrades will improve the City's ability to monitor and manage its multi-modal traffic demands, providing safe and efficient operation for both vehicles and bicyclists. These detection systems will also enable the collection of detailed traffic data for ongoing operational improvements, as well as providing support for the installation of adaptive signal control technology in the future, in support of the City's ITS Strategic Plan.

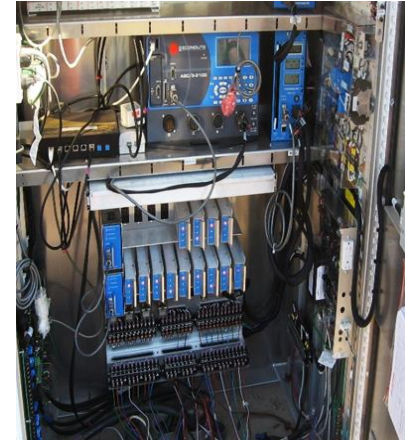
Photo Coming Soon

Project Priority Type						
Public Health and Safety						
Primary City Council Priority and Performance Measure Addressed						
	Quality of Life	3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.				
Project Number		Estimated Start		Estimated Completion		
N/A		7/1/2024		12/15/2025		
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$0
Land Acquisition		\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$125,000	\$0	\$0	\$125,000
Survey / Staking		\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$0
Contingency		\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement		\$0	\$0	\$2,114,000	\$0	\$2,114,000
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$0	\$0	\$0	\$0	\$0
Total		\$0	\$125,000	\$2,114,000	\$0	\$2,239,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
Highway User Revenue Fund		\$0	\$125,000	\$114,000	\$0	\$239,000
Federal Grant - CMAQ		\$0	\$0	\$2,000,000	\$0	\$2,000,000
Total		\$0	\$125,000	\$2,114,000	\$0	\$2,239,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26 Total 5 -Year
None						

Capital Improvements Program

New Signals / Safety Upgrades

This project provides for the installation of new traffic signals and associated equipment based on traffic engineering studies and warrants. It will also allow for replacement of existing outdated signals and address all safety updates to meet state and federal regulations. An intersection with modular traffic signal poles costs on average \$450,000 depending of the size of intersection, which takes into account two modular poles at each corner. ADA elements, including accessible push buttons and ramps are included in all signal projects.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
6906209	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,780,548	\$0	\$0	\$0	\$0	\$1,780,548
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,780,548	\$0	\$0	\$0	\$0	\$1,780,548
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,780,548	\$0	\$0	\$0	\$0	\$1,780,548
Total	\$1,780,548	\$0	\$0	\$0	\$0	\$1,780,548
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

New Traffic Signals - Developer Participation

This project provides for the installation of new traffic signal warranted through the development process and allows for the reimbursement of the new signal construction costs from the developer. An intersection costs an average of \$450,000 depending on the size of intersection, which takes into account two poles at each corner and a cabinet with hardware.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number		Estimated Start		Estimated Completion		
6909669		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Developer Funds	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Total	\$450,000	\$0	\$0	\$0	\$0	\$450,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Priest Drive Fiber Project

This project will upgrade the communications infrastructure along the entire Priest Drive arterial corridor from wireless to fiber optics. Conduit, fiber optic cabling and network switches will be installed at every signalized intersection along the corridor to provide full connectivity back to the Transportation Management Center. This work is needed to improve the reliability and security of the communications network and provide higher bandwidth to support the growing data needs of the City's Transportation Management Systems and Operations infrastructure, enabling staff to efficiently monitor and manage the operation of this corridor.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			1/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$200,000	\$0	\$0	\$0	\$200,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$2,114,000	\$0	\$0	\$2,114,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$200,000	\$2,114,000	\$0	\$0	\$2,314,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$0	\$200,000	\$114,000	\$0	\$0	\$314,000
Federal Grant - CMAQ	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000
Total	\$0	\$200,000	\$2,114,000	\$0	\$0	\$2,314,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Signal Controller Upgrades (formerly ITS Signal Controller Upgrades)

This project will upgrade 200 of the City's signalized intersections with an advanced traffic signal controller to replace units that are outdated and out of warranty. This will ensure that this critical intersection control component has the latest capabilities to move traffic as safely and efficiently as possible. This project will be procurement only as the new controllers will be a direct replacement for existing units. Installation will be by City staff and is expected to take 12 months to complete.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2024			9/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$1,321,250	\$0	\$1,321,250
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$1,321,250	\$0	\$1,321,250
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$0	\$0	\$0	\$71,250	\$0	\$71,250
Federal Grant - CMAQ	\$0	\$0	\$0	\$1,250,000	\$0	\$1,250,000
Total	\$0	\$0	\$0	\$1,321,250	\$0	\$1,321,250
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Signal Equipment Upgrade - I-10/Broadway Curve Construction Impact

City staff has reviewed the I-10/Broadway Curve upcoming construction project and potential impacts to traffic on City streets. Full and partial freeway closures will occur throughout the construction. While traffic will not be officially detoured onto City streets, it would be wrong to assume that traffic will not detour on their own to Tempe streets. Given the projected conditions and the available technology for traffic signal operation, an adaptive traffic signal system can provide a solution to efficiently and effectively manage traffic signals in an area where traffic volumes are continually changing not just by hour but by day of the week.

To implement an adaptive system, additional vehicle detection is needed as well as the software for the adaptive system. The City has identified a maximum of 44 intersections that should be included in an adaptive system to address I-10/Broadway Curve project construction impacts. The intersections will need a two-camera detection system and software to run the adaptive system. The City submitted a proposal and cost estimate to MAG and ADOT proposed transportation management system. ADOT is coordinating a joint project agreement that will allow the City to purchase and install the necessary equipment (within one year of the agreement date) and be reimbursed up to a maximum allotment of \$1,223,000.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
6910469	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,223,000	\$0	\$0	\$0	\$0	\$1,223,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,223,000	\$0	\$0	\$0	\$0	\$1,223,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Arizona Department of Transportation	\$1,223,000	\$0	\$0	\$0	\$0	\$1,223,000
Total	\$1,223,000	\$0	\$0	\$0	\$0	\$1,223,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$0	\$25,000	\$25,000	\$50,000
Total	\$0	\$0	\$0	\$25,000	\$25,000	\$50,000

Capital Improvements Program

Signal LED Pedestrian Countdown Replacement Units

This project will provide for the replacement of 1400 aging pedestrian countdown units that are at the end of their useful life. Countdown pedestrian indications are required for all newly installed traffic signals where pedestrian signals are installed. They are designed to begin counting down at the beginning of the clearance (flashing DON'T WALK) interval and can be on fixed-time or pushbutton operation. This project will be for procurement of the new countdown units and will be a direct replacement of existing units including labor for installation which will be provided by contractor.

Photo Coming Soon

Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.08Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			7/1/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$125,000	\$125,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$125,000	\$125,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$0	\$125,000	\$125,000
Total	\$0	\$0	\$0	\$0	\$125,000	\$125,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Signal Malfunction Monitoring Unit Upgrade

This project will upgrade 140 aging malfunction monitoring units (MMUs) that are outdated and at the end of their useful life. MMU's monitor up to 16 traffic signal indications (channels) for conflict, improper sequencing, incorrect timing, and improper signal voltage levels. The units are a critical component of the city's signal system and are necessary to maintain the safety of the traveling public. This project will be for procurement of the new controllers to replace the existing units and labor for installation which will be provided by a contractor.

Photo Coming Soon

Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.08Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number		Estimated Start		Estimated Completion		
N/A		7/1/2023		6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$77,000	\$77,000	\$0	\$154,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$77,000	\$77,000	\$0	\$154,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$77,000	\$77,000	\$0	\$154,000
Total	\$0	\$0	\$77,000	\$77,000	\$0	\$154,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Southern Ave Fiber Project

This project will upgrade the communications infrastructure along the entire Southern Avenue arterial corridor from wireless to fiber optics. Conduit, fiber optic cabling and network switches will be installed at every signalized intersection along the corridor to provide full connectivity back to the Transportation Management Center. This work is needed to improve the reliability and security of the communications network and provide higher bandwidth to support the growing data needs of the City's Transportation Systems Management and Operations infrastructure, enabling staff to better monitor and manage the operation of this corridor.

Photo Coming Soon

Project Priority Type		
Public Health and Safety		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			1/30/2026		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$200,000	\$0	\$0	\$200,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$2,114,000	\$0	\$2,114,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$200,000	\$2,114,000	\$0	\$2,314,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$0	\$0	\$200,000	\$114,000	\$0	\$314,000
Federal Funding	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000
Total	\$0	\$0	\$200,000	\$2,114,000	\$0	\$2,314,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Streetlight LED Replacement Program

Beginning in year 2021, 5,000 arterial roadway luminaries will be changed to energy efficient LED type luminaires. Approximately 1,000 luminaires will be replaced each year.

The purpose and need for this project is to replace aging High Pressure Sodium (HPS) streetlight luminaires with energy efficient LED type luminaires. LED luminaires produce clean white light with improve color rendition that the human eye uses to see. For this reason, LED luminaires significantly improve night time visibility of our vulnerable roadway users including bicyclists and pedestrians. Research demonstrates that bicyclists and pedestrians are over-represented in night time crashes. LED luminaires also consume 50% less energy and have a reduced maintenance cost. Energy savings realized will be contingent upon continued negotiations with both APS and SRP.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
6908399	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$517,781	\$500,000	\$500,000	\$500,000	\$0	\$2,017,781
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$517,781	\$500,000	\$500,000	\$500,000	\$0	\$2,017,781
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$517,781	\$500,000	\$500,000	\$500,000	\$0	\$2,017,781
Total	\$517,781	\$500,000	\$500,000	\$500,000	\$0	\$2,017,781
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Streetlight Pole Structural Replacement

This project will fund the replacement of existing rusted streetlight poles. Prior year appropriations were allocated to replace all direct buried poles with a corrosive factor greater than 25 percent according to the 2011 survey. That portion of the project has been completed. Going forward, this project will focus on addressing the new 2015 survey which found 308 poles to be structurally deficient. These streetlight poles are on foundation and will need to be replaced due to wet, corrosive environments. Approximately 100 poles can be replaced per year and by the end of 2019/20 approximately 300 poles will have been replaced. After the 2015 survey replacements are complete a new survey will be completed to re-evaluate the direct bury and foundation poles not previously replaced. Out-year funds will continue to be requested to cover any poles found deficient in the new survey. The new survey is currently planned for 2021/22.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6999849	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$267,078	\$204,951	\$204,951	\$204,951	\$204,951	\$1,086,882
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$267,078	\$204,951	\$204,951	\$204,951	\$204,951	\$1,086,882
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$267,078	\$204,951	\$204,951	\$204,951	\$204,951	\$1,086,882
Total	\$267,078	\$204,951	\$204,951	\$204,951	\$204,951	\$1,086,882
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Streetlight Upgrade/New Installation

This project allows staff to strategically prioritize improvements to the street light system including the installation of arterial dual-side street lights and residential street lights per citizen requests.

Tempe currently has some arterial roadways that lack dual-side lighting and this project would continue to add lighting in order to meet the minimum lighting standard. Due to a reduction in funding in 2018/19, there were no dual-side streetlighting projects installed and funding allocated allowed for up to seven new residential streetlights. For FY2021/2022 dual-side lighting proposed projects include: west side of Mill Avenue between Pebble Beach and Hermosa Drives.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
6999869		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$367,215	\$100,000	\$100,000	\$100,000	\$100,000	\$767,215
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$367,215	\$100,000	\$100,000	\$100,000	\$100,000	\$767,215
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$367,215	\$100,000	\$100,000	\$100,000	\$100,000	\$767,215
Total	\$367,215	\$100,000	\$100,000	\$100,000	\$100,000	\$767,215
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Traffic Management Center Upgrade

The Tempe Transportation Center opened in August of 2008 and included the city's first Transportation Management Center. In order to continue to monitor the safety and operations of the transportation system, equipment upgrades are necessary before the existing equipment in the TMC has reached the end of its useful life. These upgrades will provide improved visibility of real-time traffic conditions in Tempe via multiple data sources, including video detection and CCTV cameras. Project objectives include the replacement of outdated video wall displays and processors with modern systems for lower O&M costs and enhanced monitoring capabilities. This will integrate multiple real-time data sources for complete situational awareness of traffic conditions. It will also include the upgrade of communications infrastructure to support sharing of data with other Tempe departments while providing greater resiliency and disaster preparedness.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
6910199	7/1/2021			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$788,000	\$0	\$0	\$0	\$0	\$788,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$175,000	\$0	\$0	\$0	\$0	\$175,000
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,013,000	\$0	\$0	\$0	\$0	\$1,013,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$269,916	\$0	\$0	\$0	\$0	\$269,916
Federal Grant - CMAQ	\$743,084	\$0	\$0	\$0	\$0	\$743,084
Total	\$1,013,000	\$0	\$0	\$0	\$0	\$1,013,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Traffic Signal Green Signs

This project will allow for the replacement of the traffic signal internally illuminated green signs which have exceeded their expected life. As part of the development of the Transportation and Traffic Engineering Division Asset Management Plan, staff has identified the green signs as an asset in the system for inclusion in the plan and development of a program for the systematic replacement of the signs. Current traffic signal internally illuminated green signs have been in place for at least 15+ years and have exceeded their product life cycle. As part of a continuing transportation asset management program, this project will continue the process of replacing sign faces (eight per intersection) at a rate of 10 intersections per year with a total of 190 modular signalized intersections to complete.

This project will allow Tempe thru a contracted vendor to replace its aging green sign faces, which will increase visibility and improve safety for the motoring public. Currently 161 intersections out of the 190 have been replaced. While the assets have a typical life of 15 years, ongoing funding is being requested to ensure the assets can be replaced should additional faces need to be replaced due to fading or vandalism.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
6906229	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$267,568	\$99,522	\$99,522	\$99,522	\$99,522	\$665,656
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$267,568	\$99,522	\$99,522	\$99,522	\$99,522	\$665,656
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$267,568	\$99,522	\$99,522	\$99,522	\$99,522	\$665,656
Total	\$267,568	\$99,522	\$99,522	\$99,522	\$99,522	\$665,656
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Traffic Signal Infrastructure

The City's transportation system includes 237 signalized intersections and associated infrastructure to support the safe movement of all modes of travel in Tempe. This project provides for the installation and repair of existing equipment related to the traffic signal system and as warranted by traffic engineering studies. In addition, this project provides for the management and replacement of underground signal system assets which have been identified for repair and replacement. The program includes a proactive asset management element where components are replaced to ensure the signal system is operating safely and efficiently. In addition, the CIP provides for unexpected emergency repairs that occur throughout the year and are needed to ensure the system remains functional.

This project is necessary in order to keep the signal system functioning properly by supplementing our existing traffic signal construction program (two full time employees) with installing infrastructure which may include underground items such as conduit repair and replacements, new traffic signal underground j-boxes and new signal foundations



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start		Estimated Completion		
6903383		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$375,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,475,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$375,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,475,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$375,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,475,000
Total	\$375,000	\$275,000	\$275,000	\$275,000	\$275,000	\$1,475,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

Capital Improvements Program

Traffic Signal Pedestrian Access Improvements

This project will install special pedestrian pushbuttons that will provide extended crossing time at 157 intersections in order to accommodate slower-moving pedestrians such as the elderly and persons with disabilities. Also, there are push buttons that may have to be relocated to a post to meet spacing requirements. These improvements are consistent with a recent update of the Manual on Uniform Traffic Control Devices (MUTCD), published by the federal government to set minimum standards, provide guidance and ensure uniformity of traffic control devices across the nation. In addition, this project will include ADA Transition Plan identified repairs related to locations of push buttons.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities

1.08

Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number		Estimated Start		Estimated Completion		
6909679		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
Total	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Update Signalized Intersection Detection

The Transportation Division is responsible for delivering a balanced transportation system for all modes of travel. As development in the City has continued to grow, the level of congestion has also increased. This project will upgrade realtime intersection detection systems to: identify vehicular, bicycle, and pedestrian demand, and to allow staff to gather additional data to better time and coordinate the signalized intersections along arterial corridors. Once installed, these advanced detection systems will also begin to provide the data required for future Adaptive Signal Control technologies that will help to reduce environmental impacts and manage traffic flow by automatically adjusting signal timings to accommodate real-time traffic patterns. The identified projects include installation at five major intersections per year. The first year will focus on Rural Road. It will also include the purchase of software to run the adaptive system which was an unknown cost while the city determined the type of system to be used. In the first three years, the city will focus on 15 congested intersections in the urban core that can benefit from optimized signal timing and advanced artificial intelligence capabilities. This will be followed by 35 intersections in the following seven years, for a total of 50 intersections citywide. Operating budget impacts include an ongoing maintenance budget of \$5,000 per year beginning in year (FY22/23).

Photo Coming Soon

Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
6910209	2/1/2021			9/15/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$256,000	\$212,000	\$218,000	\$225,000	\$250,000	\$1,161,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$406,000	\$212,000	\$218,000	\$225,000	\$250,000	\$1,311,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$406,000	\$212,000	\$218,000	\$225,000	\$250,000	\$1,311,000
Total	\$406,000	\$212,000	\$218,000	\$225,000	\$250,000	\$1,311,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000
Total	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000

Capital Improvements Program

Warner Rd and Kyrene Canal Bike Ped Signal

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff studies locations within the City that could benefit from the implementation of traffic safety measures. Staff has received comments from pedestrians and bicyclists about this portion of the Kyrene Canal Path. As a first phase in improving the crossing, the City installed a median refuge area so that users could negotiate a two-stage crossing of Warner Rd if necessary. This project would complete the second phase of the improvements. A study performed at this location shows that the Kyrene Canal crossing on Warner Rd warrants a traffic signal. This project will construct a signalized crossing at the Kyrene Canal in order to provide a controlled crossing for pedestrians and bicyclists. The design of the project will be in FY21/22 while construction would occur in FY22/23. Funding for design has been increased based on recent estimates received on other similar projects.

Photo Coming Soon

Project Priority Type
Public Health and Safety
Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
6910479	7/1/2021			1/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$381,150	\$0	\$0	\$0	\$381,150
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$125,000	\$381,150	\$0	\$0	\$0	\$506,150
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$125,000	\$381,150	\$0	\$0	\$0	\$506,150
Total	\$125,000	\$381,150	\$0	\$0	\$0	\$506,150
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Western Canal and Guadalupe Rd Crossing Improvements

The City of Tempe's Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety measures. Due to the popularity of the Western Canal Multi-use Path, staff continues to get comments from bicyclists and pedestrians requesting a signalized crossing at Guadalupe Road to improve safety. This project will design and construct a signalized crossing. It is anticipated that a significant amount of coordination will be required with Salt River Project. This project will include ADA Transition Plan identified repairs. The design of the project will be in FY21/22 while construction would occur in FY22/23. Funding for design has been increased based on recent estimates received on similar projects.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
6910489	7/1/2021			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$381,250	\$0	\$0	\$0	\$381,250
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$125,000	\$381,250	\$0	\$0	\$0	\$506,250
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$125,000	\$381,250	\$0	\$0	\$0	\$506,250
Total	\$125,000	\$381,250	\$0	\$0	\$0	\$506,250
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Transportation and R.O.W. Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
2019 MAG Sweeper - Grant	5409949	Federal Grant - CMAQ	269,963	-	269,963	-	-	-	-	269,963
5th Street Streetscape (Farmer to College Avenues)	5407931	General Obligation Bonds	-	-	-	-	3,943,000	-	-	3,943,000
		Transit Tax	-	-	-	-	387,000	-	-	387,000
		Highway User Revenue Fund	-	-	-	-	500,000	-	-	500,000
		Project Total	-	-	-	-	4,830,000	-	-	4,830,000
ADA Improvements - Right-of-Way	5408021	General Obligation Bonds	1,732,441	600,000	2,332,441	600,000	600,000	600,000	600,000	4,732,441
Arterial Walls	N/A	General Obligation Bonds	-	-	-	-	250,000	-	-	250,000
Bridge Maintenance	5499891	General Obligation Bonds	743,721	-	743,721	21,000	470,000	21,000	470,000	1,725,721
Broadway Road Revitalization Corridor	N/A	General Obligation Bonds	-	-	-	-	200,000	441,000	-	641,000
City Facility Parking Lots	5407791	General Obligation Bonds	341,623	250,000	591,623	60,000	62,000	64,000	66,000	843,623
		ADOT	802,107	-	802,107	-	-	-	-	802,107
		Project Total	1,143,730	250,000	1,393,730	60,000	62,000	64,000	66,000	1,645,730
<u>City Hall Complex Restrooms and Parking Reconfiguration</u>	N/A	General Obligation Bonds	-	-	-	150,000	1,475,443	-	-	1,625,443
		Cash - America Relief Plan	-	-	-	1,000,000	2,000,000	-	-	3,000,000
		Project Total	-	-	-	1,150,000	3,475,443	-	-	4,625,443
<u>Clark Park/Mitchell Park Neighborhood Alley Stabilization</u>	3410409 5410399	Solid Waste Fund	-	63,500	63,500	71,977	-	-	-	135,477
		Federal Grant - CMAQ	-	-	-	1,190,773	-	-	-	1,190,773
		Project Total	-	63,500	63,500	1,262,750	-	-	-	1,326,250
Contractual Project Participation	5408031	Developer Contribution	64,427	-	64,427	-	-	-	-	64,427
Elliot & Kyrene Railroad Crossing Intersection Safety Improvement	5408041	Highway User Revenue Fund	300,000	60,000	360,000	-	65,000	65,000	-	490,000
		Federal Grant - Section 130	200,000	90,000	290,000	-	450,000	450,000	-	1,190,000
		Project Total	500,000	150,000	650,000	-	515,000	515,000	-	1,680,000
Fire Medical Rescue Facilities Pavement Replacement	5410439	General Obligation Bonds	-	375,000	375,000	450,000	1,500,000	-	-	2,325,000
Future Fiber Network Expansion	5409681	General Obligation Bonds	2,132,000	335,000	2,467,000	286,000	352,000	300,000	300,000	3,705,000
<u>Hudson Manor/University Heights Neighborhood Alley Stabilization</u>	3410429 5410419	Solid Waste Fund	-	63,500	63,500	42,765	-	-	-	106,265
		Federal Grant - CMAQ	-	-	-	707,485	-	-	-	707,485
		Project Total	-	63,500	63,500	750,250	-	-	-	813,750
<u>Infrastructure Improvements Smith Innovation Hub</u>	5410449	General Obligation Bonds	-	100,000	100,000	100,000	100,000	-	746,000	1,046,000
Loop 202 & McClintock Dr TI Feasibility Study	5410219	Highway User Revenue Fund	150,000	-	150,000	-	-	-	-	150,000
Loop 202 & Scottsdale Road On-Ramp Expansion	N/A	General Obligation Bonds	-	-	-	-	100,000	600,000	-	700,000

Transportation and R.O.W. Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are underlined

Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	New 2021-22 Appropriation Request	2021-22 Total Requested Appropriation	Additional Projected Needs				Total 5-Year Program
						2022-23	2023-24	2024-25	2025-26	
<u>Maple Ash, Wilson Art and Garden, and Mitchell Park Neighborhood Association Traffic Calming</u>	5410459	Cash - America Relief Plan	-	520,500	520,500	-	-	-	-	520,500
McClintock Dr Streetscape Implementation	5408751	Highway User Revenue Fund	3,723,532	-	3,723,532	-	-	-	-	3,723,532
Minor Concrete Improvements	5401417	General Obligation Bonds	47,804	250,000	297,804	257,000	265,000	273,000	281,000	1,373,804
Minor Pavement Preservation	5409661	General Obligation Bonds	212	1,727,500	1,727,712	2,300,500	2,379,558	2,692,500	2,800,000	11,900,270
Neighborhood Traffic Calming	5408051	Highway User Revenue Fund	62,069	100,000	162,069	100,000	100,000	100,000	100,000	562,069
Parkway Blvd Right-of-Way Improvements - West of College Ave	5409571	Highway User Revenue Fund	128,730	-	128,730	-	-	-	-	128,730
<u>Pedestrian and Bicycle Grade Separation - University and College</u>	N/A	General Obligation Bonds	-	-	-	-	-	966,000	3,177,832	4,143,832
		Development Impact Fees	-	-	-	-	-	-	1,930,336	1,930,336
		Arizona State University Contribution	-	-	-	-	-	-	3,177,832	3,177,832
		Project Total	-	-	-	-	-	966,000	8,286,000	9,252,000
Quiet Zone and Alameda Intersection Improvements	5410169	Highway User Revenue Fund	346,716	-	346,716	-	-	-	-	346,716
Right of Way (ROW) Landscape Replacement	5406149	Highway User Revenue Fund	-	-	-	400,000	400,000	400,000	400,000	1,600,000
		General Obligation Bonds	-	-	-	250,000	250,000	500,000	500,000	1,500,000
		Project Total	-	-	-	650,000	650,000	900,000	900,000	3,100,000
Roadway Mill & Overlay & Reconstructions (formerly Arterial Resurfacing)	5499741	Highway User Revenue Fund	-	1,000,000	1,000,000	1,000,000	3,000,000	3,000,000	3,000,000	11,000,000
		General Obligation Bonds	3,989,759	9,000,000	12,989,759	9,000,000	7,000,000	7,000,000	7,000,000	42,989,759
		Cash - America Relief Plan					550,000	550,000	500,000	1,600,000
		Project Total	3,989,759	10,000,000	13,989,759	10,000,000	10,550,000	10,550,000	10,500,000	55,589,759
Roundabout at Priest Dr & Grove Pkwy	5408831	Highway User Revenue Fund	1,180,921	-	1,180,921	-	-	-	-	1,180,921
		General Obligation Bonds	1,042,147	-	1,042,147	-	-	-	-	1,042,147
		Project Total	2,223,068	-	2,223,068	-	-	-	-	2,223,068
Rural Rd & Baseline Rd Intersection Improvements	N/A	General Obligation Bonds	-	-	-	242,500	-	2,000,000	-	2,242,500
Rural Rd & Rio Salado Pkwy Intersection Improvements	5409581	General Obligation Bonds	2,350,855	-	2,350,855	-	-	-	-	2,350,855
Rural Rd & University Dr Intersection Improvements	5409591	General Obligation Bonds	2,379,974	2,675,000	5,054,974	-	-	-	-	5,054,974
		Development Impact Fees	390,000	325,000	715,000	-	-	-	-	715,000
		Project Total	2,769,974	3,000,000	5,769,974	-	-	-	-	5,769,974

Transportation and R.O.W. Program FY 2021/22 - FY2025/26 CIP Project Listing

New project requests are <u>underlined</u>	New 2021-22	2021-22 Total
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New project requests are <u>underlined</u>				New 2021-22	2021-22 Total	Additional Projected Needs				Total 5-Year
Project Name	Project #	Proposed Funding Source(s)	Capital Budget Re-appropriations	Appropriation Request	Requested Appropriation	2022-23	2023-24	2024-25	2025-26	Program
Scottsdale Rd & Cavalier Dr Pedestrian Signal	5410179	General Obligation Bonds	-	385,000	385,000	-	-	-	-	385,000
Street Grant Contingency	5409854	Cash/Grant/Other	-	1,000,000	1,000,000	-	-	-	-	1,000,000
Vision Zero Infrastructure Improvements	5410189	General Obligation Bonds	250,000	-	250,000	-	-	100,000	200,000	550,000
		Federal Safety Grant (HSIP)	-	-	-	-	-	900,000	-	900,000
		Project Total	250,000	-	250,000	-	-	1,000,000	200,000	1,450,000
Transportation and R.O.W. Program Total			22,629,001	18,920,000	41,549,001	18,230,000	26,399,001	21,022,500	25,249,000	132,449,502

Capital Improvements Program

2019 MAG Sweeper - Grant

On July 31, 2019, City Council approved the acceptance from the Maricopa Association of Governments (MAG) to purchase of a street sweeper. This grant was awarded on June 24, 2019, with the MAG Regional Council approving Tempe's request for a street sweeper through the PM-10 certified street sweepers projects for fiscal year 2019 Congestion Mitigation Air Quality Improvement funding. The sweeper will be used to clean and maintain Tempe's arterial, collector and residential streets.

MAG has been utilizing federal "Buy America" waivers to purchase sweepers for years and they do not currently possess enough waivers in order to purchase the 16 sweepers awarded in 2019. The "Buy America" sweeper waiver program, although still in place, has been suspended by the current administration and there are no US manufactured sweepers that fully meet the "Buy America" criteria. As such, without having the appropriate "Buy America" waivers in place and the inability to acquire them, MAG and ADOT are unable to utilize federal funding in order to complete the 2019 MAG sweeper awards. MAG and ADOT have since worked out the funding solution and were given approval to start the procurement process. However, the selected vendor was awarded numerous sweepers and it is unclear if our sweeper will be delivered prior to the end of FY20-21.

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



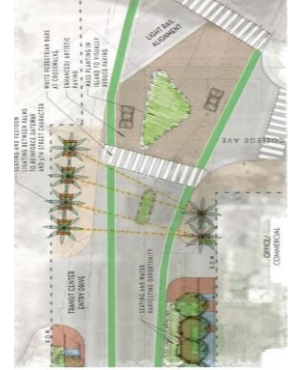
Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5409949	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$269,963	\$0	\$0	\$0	\$0	\$269,963
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$269,963	\$0	\$0	\$0	\$0	\$269,963
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Federal Grant - CMAQ	\$269,963	\$0	\$0	\$0	\$0	\$269,963
Total	\$269,963	\$0	\$0	\$0	\$0	\$269,963
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

5th Street Streetscape - Farmer to College Ave

The 5th Street Streetscape is a redesign and reconstruction of a Tempe collector street that links established neighborhoods to Arizona State University, downtown Tempe and the City Hall Complex. The project is intended to create a street with greater multi-modal access for all users with expanded landscaping and shade, enhanced bicycle, transit and pedestrian facilities and ADA upgrades as identified in the Transition Plan. The project will include gateway treatments, additional crosswalks, on-street parking, and medians. The project will also explore integration of low impact development and sustainable practices like water harvesting and greater tree canopy coverage. This project is a joint funding effort with the Downtown Tempe Authority. Project construction funding is anticipated to come from a variety of sources including HURF, Transit Tax and GO Bonds. The project will be coordinated with pavement resurfacing and the City ADA Transition Plan.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
5407931	7/1/2017			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$128,614	\$0	\$0	\$128,614
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$419,550	\$0	\$0	\$419,550
Construction / Installation / Improvement	\$0	\$0	\$3,931,439	\$0	\$0	\$3,931,439
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$350,397	\$0	\$0	\$350,397
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$4,830,000	\$0	\$0	\$4,830,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$3,943,000	\$0	\$0	\$3,943,000
Transit Tax	\$0	\$0	\$387,000	\$0	\$0	\$387,000
Highway User Revenue Fund	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Total	\$0	\$0	\$4,830,000	\$0	\$0	\$4,830,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

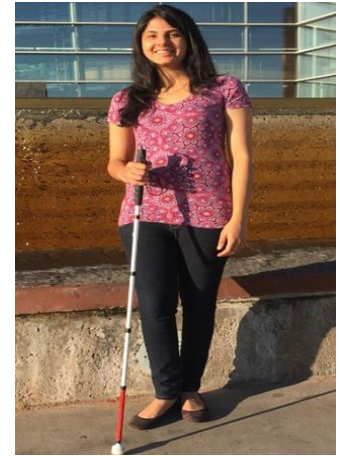
Capital Improvements Program

ADA Improvements - Right-of-Way

This project involves updating infrastructure not constructed to current ADA specifications and improving overall accessibility using the 2016, 2017 and 2018 ADA Accessibility survey to identify and prioritize needed improvements and to establish a long term plan for making the city more accessible.

The first phase of the ADA survey covered the downtown area. The survey identified needed corrections valued at \$10.2 million. A majority of the corrections (\$8.7 million) involve sidewalks that cross commercial driveways. Phase II of the survey which covered areas north of Guadalupe Road identified approximately \$35 million in corrections involving sidewalks, cur ramps and pedestrian signals. Additional discussion will be started in order to determine policy direction for making these corrections and then future funding can be programmed.

The remaining corrections that do not involve commercial property were phased into fiscal years 2017-18 through 2019-20 based on the prioritization in the ADA survey report. An additional amount is included each year to address ADA requests that come in throughout the year.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.14 Achieve accessibility in all city rights-of-way, parks, and facilities as identified in the Tempe ADA Transition Plan.

Project Number	Estimated Start			Estimated Completion		
5408021	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$2,332,441	\$600,000	\$600,000	\$600,000	\$600,000	\$4,732,441
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,332,441	\$600,000	\$600,000	\$600,000	\$600,000	\$4,732,441
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$2,332,441	\$600,000	\$600,000	\$600,000	\$600,000	\$4,732,441
Total	\$2,332,441	\$600,000	\$600,000	\$600,000	\$600,000	\$4,732,441
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Arterial Walls

This project would replace right-of-way walls along arterial roadways that have fallen into disrepair.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Total	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Bridge Maintenance

Under federal law the National Bridge Inspection Program mandates the inspection of all bridges in the country at least once every two years. ADOT has been administering these inspections for the City of Tempe's bridges for many years and subsequently submitting a report to the City defining required repairs and maintenance. Currently ADOT inspects 32 bridges for the City, all of which are at least twenty years old. Repairs are prioritized based upon the sufficiency rating produced by ADOT which varies for each inspection year. Funding in FY21 and future years is for completing the required repairs in alternating years as identified by ADOT from the inspection. In addition, there are ongoing yearly costs for monitoring and testing of the retaining walls of the Center Parkway Bridge. We anticipate these costs to decrease in the upcoming out years. This CIP will also fund the inspection and asset management for the City's pedestrian bridges including the bridge over Tempe Town Lake. ADA elements are incorporated into the projects where applicable.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5499891	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$4,000	\$0	\$4,000	\$0	\$4,000	\$12,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$12,000	\$1,000	\$12,000	\$1,000	\$12,000	\$38,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$47,000	\$0	\$47,000	\$0	\$47,000	\$141,000
Survey / Staking	\$3,000	\$0	\$3,000	\$0	\$3,000	\$9,000
Inspection & Construction Management	\$0	\$20,000	\$0	\$20,000	\$0	\$40,000
Geotech / Material Testing	\$25,000	\$0	\$25,000	\$0	\$25,000	\$75,000
Contingency	\$32,000	\$0	\$32,000	\$0	\$32,000	\$96,000
Construction / Installation / Improvement	\$315,000	\$0	\$315,000	\$0	\$315,000	\$945,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$32,000	\$0	\$32,000	\$0	\$32,000	\$96,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$273,721	\$0	\$0	\$0	\$0	\$273,721
Total	\$743,721	\$21,000	\$470,000	\$21,000	\$470,000	\$1,725,721
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$743,721	\$21,000	\$470,000	\$21,000	\$470,000	\$1,725,721
Total	\$743,721	\$21,000	\$470,000	\$21,000	\$470,000	\$1,725,721
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Broadway Road Revitalization Corridor

Currently the corridor has areas where no sidewalks exist as well as areas that do not meet the 8-ft standard. The Broadway Road working group discussed installing sidewalks to bring the corridor up to current standards as well as enhancing the intersections by installing a surface treatment or stamping and painting. This CIP identifies money to be spent on upgrades to the corridor. Specific improvements will be identified by the working group or be brought forward to a council committee at the time of funding is in place.



Project Priority Type		
Customer Enhancements		
Primary City Council Priority and Performance Measure Addressed		
	Quality of Life	3.14 Achieve accessibility in all city rights-of-way, parks, and facilities as identified in the Tempe ADA Transition Plan.

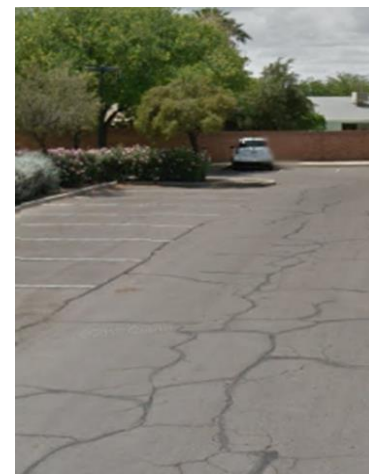
Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			12/15/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$200,000	\$0	\$0	\$200,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$441,000	\$0	\$441,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$200,000	\$441,000	\$0	\$641,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$200,000	\$441,000	\$0	\$641,000
Total	\$0	\$0	\$200,000	\$441,000	\$0	\$641,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Facility Parking Lots

This project provides for the sealing, resurfacing and reconstruction of the city's 74 parking lots in order to maintain the lots at a safe and acceptable level. Staff worked with a consultant to analyze the condition of the assets. Similar to the PQI levels identified for the street pavement network, the condition rating will be used to prioritize the rehabilitation of the parking lots. ADA elements are included in this project when applicable.

Fiscal Year 2021-2022 includes funding for reconstruction of Diablo Stadium parking lot as a result of the ADOT Interstate 10 and Broadway Rd curve realignment. Funding for Fiscal Year 2021-2022 also includes resurfacing of the parking lots of Jaycee Park, Hudson Park, Westside Multigenerational Center, North Tempe Multigenerational Center and Apache Police Station.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number	Estimated Start			Estimated Completion		
5407791	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$86,217	\$0	\$0	\$0	\$0	\$86,217
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,307,513	\$60,000	\$62,000	\$64,000	\$66,000	\$1,559,513
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,393,730	\$60,000	\$62,000	\$64,000	\$66,000	\$1,645,730
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$591,623	\$60,000	\$62,000	\$64,000	\$66,000	\$843,623
ADOT	\$802,107	\$0	\$0	\$0	\$0	\$802,107
Total	\$1,393,730	\$60,000	\$62,000	\$64,000	\$66,000	\$1,645,730
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

City Hall Complex Restrooms and Parking Reconfiguration

This project emerged during the design phase of the Fifth Street Streetscape project, as efforts to identify suitable downtown locations for public use restrooms coincided with programmed improvements to the streetscape and right of way. The project includes solar power, electric vehicle charging stations, and two, freestanding public use restroom facilities installed in a reconfiguration of the City Hall parking lot which is intended to provide improved flow to the City Hall Complex and 6th Street Park. These improvements will be coordinated with the future proposed enhancements of the streetscape project which will include water harvesting, tree and shade enhancements, and opportunities for public art. This project will also serve as a demonstration project on sustainability. Preliminary costs for design and construction have been included in the CIP under other project costs.

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.14 Achieve accessibility in all city rights-of-way, parks, and facilities as identified in the Tempe ADA Transition Plan.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$11,000	\$0	\$0	\$11,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$31,000	\$0	\$0	\$31,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$100,000	\$120,000	\$0	\$0	\$220,000
Survey / Staking	\$0	\$0	\$8,000	\$0	\$0	\$8,000
Inspection & Construction Management	\$0	\$0	\$56,000	\$0	\$0	\$56,000
Geotech / Material Testing	\$0	\$0	\$8,000	\$0	\$0	\$8,000
Contingency	\$0	\$0	\$80,000	\$0	\$0	\$80,000
Construction / Installation / Improvement	\$0	\$500,000	\$1,801,443	\$0	\$0	\$2,301,443
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$80,000	\$0	\$0	\$80,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$550,000	\$1,280,000	\$0	\$0	\$1,830,000
Total	\$0	\$1,150,000	\$3,475,443	\$0	\$0	\$4,625,443
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$150,000	\$1,475,443	\$0	\$0	\$1,625,443
Cash - America Relief Plan	\$0	\$1,000,000	\$2,000,000	\$0	\$0	\$3,000,000
Total	\$0	\$1,150,000	\$3,475,443	\$0	\$0	\$4,625,443
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Clark Park/Mitchell Park Neighborhood Alley Stabilization

This project will improve the deteriorating alley surface and provide dust control and mitigation as required by the Maricopa County for the alleys located at Clark Park and Mitchell Park neighborhoods. This project includes all alleys located in the area bounded by University Drive to the north, Broadway Road to the south, Roosevelt Street to the east, and Hardy Drive to the west. The project will remove six inches of the alley surface and replace with double rolled RAP. The RAP will be applied to 18 feet of the 20 foot wide alleys eliminating any potential conflict with the utilities generally located at the 1-foot edge of the alleys. The project will improve air quality and mitigate other detrimental public health effects from excessive dust production during the summer and on windy days. The project will help implement the federally approved measures submitted by the region to comply with mandated PM10 levels. This project was eliminated from the HURF Capital Program in April 2020 due to cash funding restraints.

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

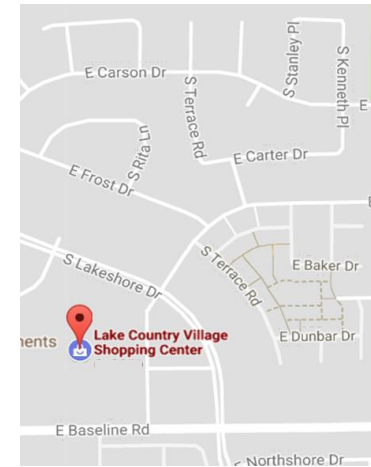
3.01 Achieve 85% on the Code Compliance Composite Score.

Project Number	Estimated Start			Estimated Completion		
3410409	7/1/2021			12/31/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$1,000	\$11,000	\$0	\$0	\$0	\$12,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$11,000	\$0	\$0	\$0	\$11,000
Inspection & Construction Management	\$0	\$74,000	\$0	\$0	\$0	\$74,000
Geotech / Material Testing	\$0	\$11,000	\$0	\$0	\$0	\$11,000
Contingency	\$0	\$11,000	\$0	\$0	\$0	\$11,000
Construction / Installation / Improvement	\$62,500	\$1,050,750	\$0	\$0	\$0	\$1,113,250
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$94,000	\$0	\$0	\$0	\$94,000
Total	\$63,500	\$1,262,750	\$0	\$0	\$0	\$1,326,250
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Solid Waste Fund	\$63,500	\$71,977	\$0	\$0	\$0	\$135,477
Federal Funds (CMAQ)	\$0	\$1,190,773	\$0	\$0	\$0	\$1,190,773
Total	\$63,500	\$1,262,750	\$0	\$0	\$0	\$1,326,250
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Contractual Project Participation

This project will allow the City to carry out transportation and right-of-way contractual requirements identified and agreed upon in the development process or through other contractual means. Projects may include, but are not limited to: ADA improvements, pedestrian traffic signals, railroad crossing improvements, streetscapes, landscaping, and multi-use paths. Specifically, as part of the agreement for development of Lake Country Village, the City was provided with \$125,000 to install landscape improvements.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.23 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Landscape maintenance along streets/sidewalks" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
5408031	Ongoing			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$64,247	\$0	\$0	\$0	\$0	\$64,247
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$64,247	\$0	\$0	\$0	\$0	\$64,247
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Developer Contribution	\$64,427	\$0	\$0	\$0	\$0	\$64,427
Total	\$64,427	\$0	\$0	\$0	\$0	\$64,427
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Elliot & Kyrene Railroad Crossing Intersection Safety Improvements

This project will construct safety improvements to upgrade the railroad crossing at the intersection of Elliot and Kyrene roads. Improvements will include construction of new railroad crossing signal equipment, crossing gates, extended and widened raised medians, relocation of sidewalks, lane reconfiguration, new striping and improved transit stops. The project will be funded significantly with a Section 130 grant from the federal government. This capital project would upgrade the railroad crossing to meet safety standards as required by the Arizona Corporation Commission and the Federal Railroad Administration. The project would also eliminate the most costly improvement for extending the quiet zone along the six mile Union Pacific Railroad industrial spur line which begins at the 13th Street railroad crossing immediately east of Farmer Avenue, traveling south to the Warner Road crossing approximately one quarter mile west of Kyrene Road. Like the existing quiet zone, if the City pursues this quiet zone extension, it would require approvals by the Arizona Corporation Commission, Union Pacific Railroad and Federal Railroad Administration. ADA elements are included in this project where applicable. Due to changes in staff at ADOT and Union Pacific, the project has been delayed while the new staff is brought up to date on the project. Staff anticipates construction beginning in FY23/24.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
5408041	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$10,000	\$10,000	\$0	\$20,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$200,000	\$0	\$500,000	\$500,000	\$0	\$1,200,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$5,000	\$5,000	\$0	\$10,000
Total	\$650,000	\$0	\$515,000	\$515,000	\$0	\$1,680,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Funds	\$360,000	\$0	\$65,000	\$65,000	\$0	\$490,000
Federal Grant - Section 130 funds	\$290,000	\$0	\$450,000	\$450,000	\$0	\$1,190,000
Total	\$650,000	\$0	\$515,000	\$515,000	\$0	\$1,680,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Fire Medical Rescue Facilities Pavement Replacement

The primary purpose of this project is to replace the pavement for the driveway areas (entrances/exits) for apparatus at TFMR facilities. This will improve the long-term life of fire station driveways by replacing the current asphalt surfaces with a resilient and durable surface that is deemed appropriate for the weight and size of our emergency apparatus. The project includes funding for Station 1, Station 4, Station 5, and the drivers training track at the FMR Training Center.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



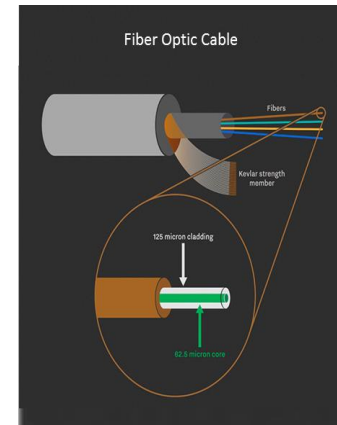
Safe & Secure Communities 1.01 Achieve total response times to advanced life support (ALS) incidents of 6 minutes or less in 90% of calls for service.

Project Number		Estimated Start		Estimated Completion		
5410439		7/1/2021		6/30/2024		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$375,000	\$450,000	\$1,500,000	\$0	\$0	\$2,325,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$375,000	\$450,000	\$1,500,000	\$0	\$0	\$2,325,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$375,000	\$450,000	\$1,500,000	\$0	\$0	\$2,325,000
Total	\$375,000	\$450,000	\$1,500,000	\$0	\$0	\$2,325,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Future Fiber Network Expansion

This project will provide funding for the expansion of the City's fiber network in conjunction with other City CIP projects underway. By creating a funding source for joint projects, efficiency and cost savings will be realized by allowing infrastructure projects within the right of way to include the installation of conduit while the street is dug up. Fiber installation will follow with little disruption to the street. Projects in this five-year period will include conduit and/or fiber installations along McClintock (University to Apache and Warner to Well #16), Apache (McClintock to Dorsey), Warner (McClintock to Rural), Broadway Rd. (Rural Rd. to Mill Ave.), S. College (Apache to Broadway), Curry Rd. (Miller Rd. to McClintock), Priest (13th St. to University), University (Priest to Farmer and Rural to McClintock), Broadway Rd (Rural to McClintock).



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
5409681	7/1/2021			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$2,467,000	\$286,000	\$352,000	\$300,000	\$300,000	\$3,705,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,467,000	\$286,000	\$352,000	\$300,000	\$300,000	\$3,705,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$2,467,000	\$286,000	\$352,000	\$300,000	\$300,000	\$3,705,000
Total	\$2,467,000	\$286,000	\$352,000	\$300,000	\$300,000	\$3,705,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Hudson Manor/ University Heights Neighborhood Alley Stabilization

This project will improve the deteriorating alley surface and provide dust control and mitigation as required by the Maricopa County for the alleys located at Hudson Manor and University Heights neighborhoods. This project includes all alleys located in the area bounded by 8th Street to the north, Union Pacific Rail Line to the south, McClintock Drive to the east, and Dorsey Lane/Cedar Street to the west. The project will remove six inches of the alley surface and replace with double rolled RAP. The RAP will be applied to 18 feet of the 20 foot wide alleys eliminating any potential conflict with the utilities generally located at the 1-foot edge of the alleys. The project will improve air quality and mitigate other detrimental public health effects from excessive dust production during the summer and on windy days. The project will help implement the federally approved measures submitted by the region to comply with mandated PM10 levels. This project was eliminated from the HURF Capital Program in April 2020 due to cash funding restraints.

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.01 Achieve 85% on the Code Compliance Composite Score.

Project Number	Estimated Start			Estimated Completion		
3410429	7/1/2021			12/31/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$1,000	\$7,000	\$0	\$0	\$0	\$8,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$7,000	\$0	\$0	\$0	\$7,000
Inspection & Construction Management	\$0	\$46,000	\$0	\$0	\$0	\$46,000
Geotech / Material Testing	\$0	\$7,000	\$0	\$0	\$0	\$7,000
Contingency	\$0	\$7,000	\$0	\$0	\$0	\$7,000
Construction / Installation / Improvement	\$62,500	\$650,000	\$0	\$0	\$0	\$712,500
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$26,250	\$0	\$0	\$0	\$26,250
Total	\$63,500	\$750,250	\$0	\$0	\$0	\$813,750
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Solid Waste Fund	\$63,500	\$42,765	\$0	\$0	\$0	\$106,265
Federal Funds (CMAQ)	\$0	\$707,485	\$0	\$0	\$0	\$707,485
Total	\$63,500	\$750,250	\$0	\$0	\$0	\$813,750
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Infrastructure Improvements Smith Innovation Hub

The City is currently preparing a master plan for infrastructure improvements in the Smith Innovation Hub area. The area is bounded by University Dr on the south, Rio Salado Pkwy on the north, McClintock Dr on the west and Price Rd on the east. Infrastructure to be evaluated includes sidewalks, crosswalks, signage, markings, lighting, bike facilities, and transit stops. Specific improvements will be identified in the master plan and carried forward for design and construction with this project. Funding and improvements identified in the Smith Hub Streetlights Improvements project (Traffic Signals and Streetlighting Program) which will add streetlights on Perry Ln between Rio Salado Pkwy and University Dr and 5th St between Perry Lane and Price Rd have been added to this project in order to streamline the improvement project.

Photo Coming Soon

Project Priority Type							
Customer Enhancements							
Primary City Council Priority and Performance Measure Addressed							
	Quality of Life	3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.					
Project Number		Estimated Start		Estimated Completion			
5410449		7/1/2021		6/30/2026			
Estimated Project Costs		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration		\$0	\$0	\$0	\$0	\$7,000	\$7,000
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees		\$0	\$0	\$0	\$0	\$19,000	\$19,000
Water / Sewer Development Fees		\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering		\$0	\$0	\$0	\$0	\$75,000	\$75,000
Survey / Staking		\$0	\$0	\$0	\$0	\$5,000	\$5,000
Inspection & Construction Management		\$0	\$0	\$0	\$0	\$35,000	\$35,000
Geotech / Material Testing		\$0	\$0	\$0	\$0	\$5,000	\$5,000
Contingency		\$0	\$0	\$0	\$0	\$50,000	\$50,000
Construction / Installation / Improvement		\$100,000	\$100,000	\$100,000	\$0	\$500,000	\$800,000
Furnishings / Equipment		\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding		\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility		\$0	\$0	\$0	\$0	\$50,000	\$50,000
ITD / Telecommunications		\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs		\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs		\$0	\$0	\$0	\$0	\$0	\$0
Total		\$100,000	\$100,000	\$100,000	\$0	\$746,000	\$1,046,000
Funding Sources		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds		\$100,000	\$100,000	\$100,000	\$0	\$746,000	\$1,046,000
Total		\$100,000	\$100,000	\$100,000	\$0	\$746,000	\$1,046,000
Operating Impacts		2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None							

Capital Improvements Program

Loop 202 & McClintock Dr TI Feasibility Study

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. Arizona State University (ASU) is undergoing significant urban development on the Tempe campus and within the Novus Innovation Corridor. In order to proactively plan for the necessary traffic related infrastructure for Novus and other private development projects in and around Tempe, the City and ASU recently collaborated to complete the Small Area Transportation Study. One of the outcomes of that study is a recommendation to improve congestion by converting the Loop 202 traffic interchange (TI) from a half TI to a full TI. This would significantly reduce congestion in Tempe by providing additional access to Loop 202 and relieving some of the current and future traffic demands on Rural Road. This initial project would study the feasibility of improving the Loop 202/McClintock Drive TI and identify possible alternatives. This study will require coordination with the Arizona Department of Transportation, the Salt River Pima-Maricopa Indian Community, and the City of Mesa. It is anticipated that design and construction of any projects resulting from the study would be strong candidates for funding through future regional transportation funds and federal grants.

Photo Coming Soon

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
5410219	1/15/2021			12/31/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$0	\$0
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Loop 202 and Scottsdale Rd On-Ramp Expansion

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. Arizona State University (ASU) is undergoing significant urban development on the Tempe campus and within the Novus Innovation Corridor. In order to proactively plan for the necessary traffic related infrastructure for Novus and other private development projects in and around downtown Tempe, the City and ASU having been collaborating on projects to help address congestion. Staff have been holding meetings with ASU to review the benefits that might be gained with the installation of an additional lane for turns from Scottsdale Rd northbound to the SR202 eastbound. The ramp currently only has a single lane which results in backup on Scottsdale Rd across the town lake during the evening peak hours. Discussions took place with ADOT since the work would be in their right-of-way and no major concerns were identified. Staff will be working to finalize the traffic analysis and ADOT will be conducting a utility locate to confirm that the improvements would not involve major utility relocation. Once these steps are complete, the project would be designed and necessary permits would be obtained from ADOT for construction in Fiscal Year 24/25.

Photo Coming Soon

Project Priority Type

Systems Expansions

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2023			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$0	\$0	\$600,000	\$0	\$600,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$100,000	\$600,000	\$0	\$700,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$100,000	\$600,000	\$0	\$700,000
Total	\$0	\$0	\$100,000	\$600,000	\$0	\$700,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Maple Ash, Wilson Art and Garden, and Mitchell Park Neighborhood Associations Traffic

This project will fund the final design and construction of traffic calming devices identified in the Neighborhood Traffic Calming Mitigation Plan prepared by the neighborhoods of Maple Ash, Wilson Art and Garden, and Mitchell Park. The plan was developed to address the collective neighborhood traffic concerns of the three neighborhoods related to cut through traffic, crashes, bicycle and pedestrian safety, and speeding. The traffic calming devices will be installed on local streets within the the boundaries of University Drive, Mill Avenue, 13th Street, and Hardy Drive. The plan recommendations include improved lighting, pavement markings, a raised crosswalk, chicanes, and closures/diverters. The plan is intended to improve the overall quality of life of all three neighborhoods. This funding request includes conducting a testing phase prior to construction of the traffic calming devices. The testing phase will include temporary barricades and signage. Funding for testing has been identified at \$25,000 and is identified under other project costs.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
5410459	7/1/2021			6/30/2023		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$4,000	\$0	\$0	\$0	\$0	\$4,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$13,000	\$0	\$0	\$0	\$0	\$13,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$66,500	\$0	\$0	\$0	\$0	\$66,500
Survey / Staking	\$3,000	\$0	\$0	\$0	\$0	\$3,000
Inspection & Construction Management	\$22,000	\$0	\$0	\$0	\$0	\$22,000
Geotech / Material Testing	\$3,000	\$0	\$0	\$0	\$0	\$3,000
Contingency	\$32,000	\$0	\$0	\$0	\$0	\$32,000
Construction / Installation / Improvement	\$320,000	\$0	\$0	\$0	\$0	\$320,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$32,000	\$0	\$0	\$0	\$0	\$32,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Total	\$520,500	\$0	\$0	\$0	\$0	\$520,500
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Cash - America Relief Plan	\$520,500	\$0	\$0	\$0	\$0	\$520,500
Total	\$520,500	\$0	\$0	\$0	\$0	\$520,500
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$4,000	\$4,000	\$4,500	\$4,500	\$5,000	\$22,000
Total	\$4,000	\$4,000	\$4,500	\$4,500	\$5,000	\$22,000

Capital Improvements Program

McClintock Dr Improvements

In July 2015, McClintock Drive between Broadway and Guadalupe roads was repaved as part of Tempe's ongoing Asset Management Capital Maintenance Program. As part of this repaving project, McClintock Drive was reconfigured to include bike lanes on each side of the street, which required the removal of at least one vehicle lane on McClintock Drive. Staff worked with a consultant and the community to explore opportunities to develop concepts to achieve Council's goal of improving traffic flow and decreasing congestion while continuing to include bike lanes along the corridor. The Council agreed to move forward with improvements along McClintock Drive between Apache Boulevard and Baseline Road that will add back a third southbound travel lane and maintain bike lanes. This project will include ADA Transition Plan identified repairs where construction is taking place. The project has been divided into two phases and the first phase which covers the segment between Broadway Rd and Del Rio has been bid and awarded. Construction will begin in late Winter 2021. Phase II which includes the segment between Apache Blvd and Broadway Rd will be bid in the winter of 2021 and would begin construction in the late spring/summer of 2021.



Project Priority Type

Customer Enhancements

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Project Number	Estimated Start			Estimated Completion		
5408751	3/1/2021			3/31/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$3,223,532	\$0	\$0	\$0	\$0	\$3,223,532
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Total	\$3,723,532	\$0	\$0	\$0	\$0	\$3,723,532
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Funds	\$3,723,532	\$0	\$0	\$0	\$0	\$3,723,532
Total	\$3,723,532	\$0	\$0	\$0	\$0	\$3,723,532
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Minor Concrete Improvements

This project supplements the City's Concrete Program and the strategy of utilizing city staff (two employees) to handle smaller less complex jobs. This project will provide for peak demands and emergency replacement of broken curbs, gutters, and sidewalks throughout the City. Other uses of the project include the construction of curbs, gutters, sidewalks and ADA accessible ramps to improve the continuity of the infrastructure and to improve accessibility and mobility for pedestrians in various areas. This project is also used in emergency call out situations as needed. Funds for the project will allow for approximately 18,000 square feet of minor concrete repair per year.

This CIP provides a cost-effective way of quickly repairing concrete damages of the estimated 5.0 million lineal feet of curb, gutter and sidewalk. Funding this project is crucial to the residents by providing safe and easily traversable pedestrian and wheelchair access throughout the city.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 3.14 Achieve accessibility in all city rights-of-way, parks, and facilities as identified in the Tempe ADA Transition Plan.

Project Number		Estimated Start		Estimated Completion		
5401417		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$297,804	\$257,000	\$265,000	\$273,000	\$281,000	\$1,373,804
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$297,804	\$257,000	\$265,000	\$273,000	\$281,000	\$1,373,804
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$297,804	\$257,000	\$265,000	\$273,000	\$281,000	\$1,373,804
Total	\$297,804	\$257,000	\$265,000	\$273,000	\$281,000	\$1,373,804
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Minor Pavement Preservation

This project provides for the proactive preservation of pavement assets to prevent the need for major rehabilitation or reconstruction in future years. The pavement life is extended maximizing the value of each dollar spent. Another important benefit of the pavement preservation approach is to preserve good roads which will require substantially less in future funding. Minor Pavement Preservation enables the preservation of four to 10 times more streets than if staff focused on fixing the roads in disrepair first. Improvements are necessary to ensure accessibility and safety for residents and businesses on Tempe’s streets and to accommodate all modes of traffic including pedestrians, bicyclists, and vehicular traffic. Depending on the condition of the pavement structure, different pavement preservation treatments are available which can be used to extend the life of the pavement network. These include (in order of cost): crack seal, seal coat, slurry seal, microsurfacing, chip seals and thin mill & overlays. This project is an important component of our strategic plan to maintain/preserve the 1241 lanes miles (447 Arterial Lane Miles, 107 Collector Lane Miles, 72 Industrial Lane Miles, and 615 Local Lane Miles) of asphalt roadways in good condition.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.22 Achieve adopted standards for Pavement Quality Index equal to a citywide average rating of 70 or higher.

Project Number		Estimated Start		Estimated Completion		
5409661		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,727,712	\$2,300,500	\$2,379,558	\$2,692,500	\$2,800,000	\$11,900,270
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,727,712	\$2,300,500	\$2,379,558	\$2,692,500	\$2,800,000	\$11,900,270
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$1,727,712	\$2,300,500	\$2,379,558	\$2,692,500	\$2,800,000	\$11,900,270
Total	\$1,727,712	\$2,300,500	\$2,379,558	\$2,692,500	\$2,800,000	\$11,900,270
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

Capital Improvements Program

Neighborhood Traffic Calming

This project will provide the Transportation Division with resources to strengthen its ability to address neighborhood traffic concerns with the installation of traffic calming devices. Staff continues to receive requests from residents to install speed cushions to help in addressing neighborhood quality of life issues impacted by speeding and cut-through. The cost of speed cushions project depends on the total number to be installed, but average about \$8,000 apiece (including signing and marking). The number of speed humps/cushions varies by the length of the street, with most projects including three or four cushions. A funding level of \$100,000 per year would allow transportation to address neighborhood traffic concerns on approximately 4 streets per year. The speed hump/cushion program went unfunded for many years. While on hold, Transportation staff compiled a waiting list of over 80 requests. Staff have been reaching out to the residents to determine if they are still interested and the list has been narrowed down to 32 locations. Because of funding constraints with COVID, the program was again put on hold for FY 2021-22 in order to reduce Highway User Revenue Fund spending.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number		Estimated Start		Estimated Completion		
5408051		Ongoing		Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$162,069	\$100,000	\$100,000	\$100,000	\$100,000	\$562,069
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$162,069	\$100,000	\$100,000	\$100,000	\$100,000	\$562,069
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$162,069	\$100,000	\$100,000	\$100,000	\$100,000	\$562,069
Total	\$162,069	\$100,000	\$100,000	\$100,000	\$100,000	\$562,069
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Parkway Boulevard Right-of-Way Improvements - West of College Ave

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation maintenance and asset management program, Transportation Maintenance staff proactively identifies potential locations within the City that could benefit from infrastructure improvements. Nearly all streets in the City have been improved with a paved surface. Parkway Boulevard is one of the few remaining unpaved streets. This portion of Parkway Boulevard runs along the historic George's Ditch. The Transportation Division regularly receives complaints from residents regarding dust on this portion of Parkway Boulevard. In addition, there is a county air monitoring station within half of a mile of this location. This project will add a surface treatment to Parkway Boulevard to help reduce dust and improve the driving surface.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities

1.05 Achieve ratings for responses to “When it comes to the threat of crime, how safe do you feel in your neighborhood?” between 80 and 100 on a scale of 0 (not safe at all) to 100 (completely safe) greater than or equal to the top ten percent of national benchmark cities as measured by the monthly Police Sentiment Survey.

Project Number	Estimated Start			Estimated Completion		
5409571	7/1/2020			6/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$128,730	\$0	\$0	\$0	\$0	\$128,730
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$128,730	\$0	\$0	\$0	\$0	\$128,730
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$128,730	\$0	\$0	\$0	\$0	\$128,730
Total	\$128,730	\$0	\$0	\$0	\$0	\$128,730
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Pedestrian and Bicycle Grade Separation - University and College

The city in partnership with ASU, engaged a consultant to review conflict areas for pedestrians in the downtown core area with the goal of studying the feasibility of constructing pedestrian and bike grade separation facilities. This project looked at three crossing locations around the Arizona State University, Tempe campus. The study locations included the intersections of College/University, Rural/6th Street, and Rural/Terrace. Following the analysis, Tempe and ASU discussed moving forward with the University Dr and College Ave location given the number of pedestrians and bicyclists in the area and the benefits that would be gained from the grade separation. As part of the analysis, budgetary estimates were identified for each of the locations. This project would jointly fund the design and construction of the grade separation project. Staff also plans to apply for federal funds next fiscal year for appropriation in FY25/26 that would help reduce the local costs.

Photo Coming Soon

Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2025			6/30/2027		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$9,000	\$74,000	\$83,000
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$27,000	\$214,000	\$241,000
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$930,000	\$0	\$930,000
Survey / Staking	\$0	\$0	\$0	\$0	\$62,000	\$62,000
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$434,000	\$434,000
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$62,000	\$62,000
Contingency	\$0	\$0	\$0	\$0	\$620,000	\$620,000
Construction / Installation / Improvement	\$0	\$0	\$0	\$0	\$6,200,000	\$6,200,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$620,000	\$620,000
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$966,000	\$8,286,000	\$9,252,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$0	\$0	\$966,000	\$3,177,832	\$4,143,832
Development Impact Fees	\$0	\$0	\$0	\$0	\$1,930,336	\$1,930,336
Arizona State University Contribution	\$0	\$0	\$0	\$0	\$3,177,832	\$3,177,832
Total	\$0	\$0	\$0	\$966,000	\$8,286,000	\$9,252,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Quiet Zone and Alameda Intersection Improvements

The project will fund the construction of required safety improvements to maintain the existing quiet zone. The project will provide the required maintenance and upgrades including improving visibility, railroad related traffic signs, updating and installing curbs and other safety improvements as required by the Federal Railroad Administration, Arizona Corporation Commission and Arizona Department of Transportation to meet Quiet Zone regulations. This project will also fund safety improvements to upgrade the railroad crossing at the intersection of Alameda Drive to Wilson Street. Improvements will include removal and replacement of broken pathway to provide safe access for pedestrians and bicyclists. It will also include the acquisition of the right-of-way and construction of the missing gap of path at the parking lot just west of the railroad tracks. This capital project would upgrade the railroad crossing to meet safety standards as required by the Arizona Corporation Commission and the Federal Railroad Administration. ADA elements are included in this project.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
5410169	7/1/2020			12/21/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$346,716	\$0	\$0	\$0	\$0	\$346,716
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$346,716	\$0	\$0	\$0	\$0	\$346,716
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$346,716	\$0	\$0	\$0	\$0	\$346,716
Total	\$346,716	\$0	\$0	\$0	\$0	\$346,716
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Right of Way (ROW) Landscape Replacement

The City of Tempe's right of way and median landscape consists of an eclectic mix of trees and shrubs covering over 7.5 million square feet of landscape maintained. There is currently an inventory of over 9,000 City street trees valued at over \$16 million which also serve to support clean air and clean water goals. There is a mixture of public, home-owner association, and commercial development properties that blend together along city arterials. In many areas, the ROW landscaping is showing incredible signs of decline, including plant stress and decimation. Recent construction and revitalization projects for both buildings and streets have also taken their toll on the landscaping. This request supports the replacement and regeneration of the ROW landscape areas, as well as the implementation of the Urban Forest Masterplan.

Due to the need to reduce spending in the HURF fund and the limited funding available for ongoing maintenance operations, the program to revitalize landscape areas in the right-of-way has been put on hold until additional funding can be dedicated to ongoing operations and maintenance.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.23 Achieve ratings of "Very Satisfied" or "Satisfied" with the "Quality of Landscape maintenance along streets/sidewalks" greater than or equal to the top 10% of the national benchmark cities as measured in the Community Survey.

Project Number	Estimated Start			Estimated Completion		
5406149	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$0	\$650,000	\$650,000	\$900,000	\$900,000	\$3,100,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$650,000	\$650,000	\$900,000	\$900,000	\$3,100,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Fund	\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$1,600,000
General Obligation Bonds	\$0	\$250,000	\$250,000	\$500,000	\$500,000	\$1,500,000
Total	\$0	\$650,000	\$650,000	\$900,000	\$900,000	\$3,100,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Supplies and Services	\$0	\$0	\$100,000	\$100,000	\$100,000	\$300,000
Total	\$0	\$0	\$100,000	\$100,000	\$100,000	\$300,000

Capital Improvements Program

Roadway Mill/Overlay & Reconstruction

This project provides for the rehabilitation on pavements that exhibit distresses that are beyond the benefit/cost effectiveness of applying a minor preservation technique. These pavements typically have a Pavement Quality Index (PQI) score of 60 or less. If pavement assets have deteriorated to a point where minor preservation cannot be performed, then a mill/overlay, reconstruction or rehabilitation is performed as part of the pavement asset management program. These include (in order of cost): standard mill & overlays, hot or cold in-place recycling, full-depth reclamation and full reconstruction. Rehabilitation and reconstruction increase the strength and the durability of the roadway. This project is an important component of our strategic plan to maintain/preserve the 1241 lanes miles of asphalt roadways (447 Arterial Lane Miles - Current Average PQI of 72; 107 Collector Lane Miles - Current Average PQI of 58; 72 Industrial Lane Miles - Current Average PQI of 53; and 615 Local Lane Miles - Current Average PQI of 55).

Tempe's current overall pavement network has an average PQI score of 60. The increase in funding is needed due to 47% of the pavement network being below good condition (PQI below 60). This funding will move the needle toward increasing the network score to a PQI score of 70. Pavement Quality was one of the top three priorities identified in the most recent community survey. Improvements are necessary to ensure accessibility and safety for residents and businesses on Tempe's streets and to accommodate all modes of traffic including pedestrians, bicyclists, and vehicular traffic. This project also addresses ADA Transition Plan identified repairs.



Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.22 Achieve adopted standards for Pavement Quality Index equal to a citywide average rating of 70 or higher.

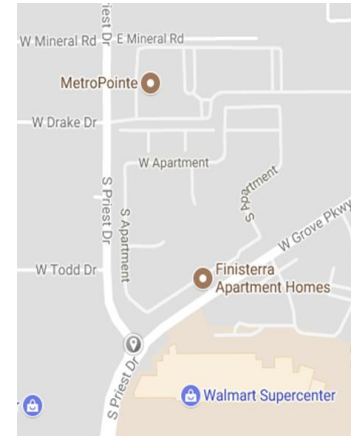
Project Number	Estimated Start			Estimated Completion		
5499741	Ongoing			Ongoing		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$139,898	\$100,000	\$105,500	\$105,500	\$105,000	\$555,898
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$4,057	\$2,900	\$3,060	\$3,060	\$3,045	\$16,121
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$699,488	\$500,000	\$527,500	\$527,500	\$525,000	\$2,779,488
Survey / Staking	\$139,898	\$100,000	\$105,500	\$105,500	\$105,000	\$555,898
Inspection & Construction Management	\$279,795	\$200,000	\$211,000	\$211,000	\$210,000	\$1,111,795
Geotech / Material Testing	\$139,898	\$100,000	\$105,500	\$105,500	\$105,000	\$555,898
Contingency	\$1,398,976	\$1,000,000	\$1,055,000	\$1,055,000	\$1,050,000	\$5,558,976
Construction / Installation / Improvement	\$9,089,286	\$6,497,100	\$6,854,441	\$6,854,441	\$6,821,955	\$36,117,222
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$2,098,464	\$1,500,000	\$1,582,500	\$1,582,500	\$1,575,000	\$8,338,464
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$13,989,759	\$10,000,000	\$10,550,000	\$10,550,000	\$10,500,000	\$55,589,759
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Funds	\$1,000,000	\$1,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$11,000,000
General Obligation Bonds	\$12,989,759	\$9,000,000	\$7,000,000	\$7,000,000	\$7,000,000	\$42,989,759
Cash - America Relief Plan	\$0	\$0	\$550,000	\$550,000	\$500,000	\$1,600,000
Total	\$13,989,759	\$10,000,000	\$10,550,000	\$10,550,000	\$10,500,000	\$55,589,759
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year

None

Capital Improvements Program

Roundabout at Priest Dr & Grove Pkwy

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety measures. The intersection of Priest Drive and Grove Parkways has recently been identified as a location in need of improved traffic control. Historically the City has used traffic signals as the preferred traffic control measure at intersections. This location is unique due to the geometric curvature of both Grove Parkway and Priest Drive. Traffic Engineering staff has recommended the construction of a modern roundabout as an alternative to a traffic signal. This project design includes ADA Transition Plan identified repairs.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
5408831	3/1/2021			10/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$2,223,068	\$0	\$0	\$0	\$0	\$2,223,068
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,223,068	\$0	\$0	\$0	\$0	\$2,223,068
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Highway User Revenue Funds	\$1,180,921	\$0	\$0	\$0	\$0	\$1,180,921
General Obligation Bonds	\$1,042,147	\$0	\$0	\$0	\$0	\$1,042,147
Total	\$2,223,068	\$0	\$0	\$0	\$0	\$2,223,068
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Rural Rd & Baseline Rd Intersection Improvements

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety measures. In addition, through review of traffic counts, staff monitors traffic volumes on arterial roadways. This project will construct safety and capacity improvements at the intersection of Rural Road and Baseline Road. Improvements will include construction of an eastbound to southbound right-turn lane and improvements to the traffic signal, sidewalks (including ADA), lighting, striping, and transit stops.



Project Priority Type	
Public Health and Safety	
Primary City Council Priority and Performance Measure Addressed	
	Safe & Secure Communities 1.08Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
N/A	7/1/2022			12/31/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$12,500	\$0	\$0	\$0	\$12,500
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$220,000	\$0	\$0	\$0	\$220,000
Survey / Staking	\$0	\$10,000	\$0	\$0	\$0	\$10,000
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvemen	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$242,500	\$0	\$2,000,000	\$0	\$2,242,500
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$0	\$242,500	\$0	\$2,000,000	\$0	\$2,242,500
Total	\$0	\$242,500	\$0	\$2,000,000	\$0	\$2,242,500
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Rural & Rio Salado Intersection Improvements

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety and congestion mitigation measures. In addition, through review of traffic counts, staff monitors traffic volumes on arterial roadways. With the opening of the Marina Heights development, congestion continues to increase at this intersection. This project will construct safety and capacity improvements at the intersection of Rural Road and Rio Salado Parkway. Based on the findings of the ASU/Tempe Small Area Transportation Study and emerging traffic issues, staff has identified intersection improvements that will help mitigate safety issues, improve capacity, and enhance transit operations. Improvements will include underway. This project is currently under construction and is anticipated to be completed in FY21; however funds are being reappropriated to ensure funds are available should additional time be needed.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



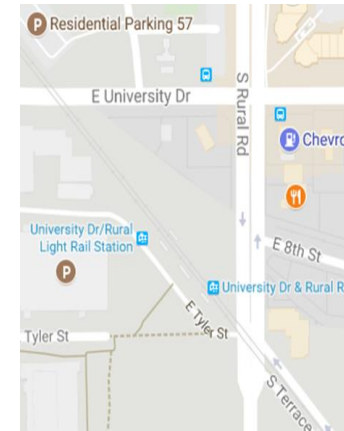
Safe & Secure Communities 3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
5409581	7/1/2018			6/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$2,350,855	\$0	\$0	\$0	\$0	\$2,350,855
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,350,855	\$0	\$0	\$0	\$0	\$2,350,855
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$2,350,855	\$0	\$0	\$0	\$0	\$2,350,855
Total	\$2,350,855	\$0	\$0	\$0	\$0	\$2,350,855
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Rural and University Intersection Improvements

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety measures. This project will construct safety and capacity improvements at the intersection of Rural Road and University Drive. Improvements will include construction of additional left turn lanes and improvements to the traffic signal, sidewalks (including ADA), lighting, striping, and transit stops. The intersection of Rural Road and University Drive continues to show up in our safety program as a potential location for safety improvements. This intersection accommodates the highest volume of traffic in the City with over 75,000 entering vehicles per day. Based on the findings of a Road Safety Assessment completed in 2013 and the current ASU/Tempe Small Area Transportation Study, staff has identified intersection improvements that will help to mitigate safety issues, improve capacity, and enhance transit operations.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Quality of Life

3.27 Achieve a Travel Time Index average at or below 1.25 along major streets during rush hour traffic with no individual segments exceeding 2.0.

Project Number	Estimated Start			Estimated Completion		
5409591	2/1/2021			9/30/2021		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$5,769,974	\$0	\$0	\$0	\$0	\$5,769,974
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$5,769,974	\$0	\$0	\$0	\$0	\$5,769,974
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$5,054,974	\$0	\$0	\$0	\$0	\$5,054,974
Development Impact Fees	\$715,000	\$0	\$0	\$0	\$0	\$715,000
Total	\$5,769,974	\$0	\$0	\$0	\$0	\$5,769,974
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Scottsdale Rd & Cavalier Dr Pedestrian Signal

The Transportation Division is tasked with providing residents and visitors with a safe and efficient transportation system. As part of a continuing transportation safety program that focuses on Vision Zero strategies, Traffic Engineering staff proactively identifies potential locations within the City that could benefit from the implementation of traffic safety measures. A review of crash data shows that many of the pedestrian/bicycle crashes in this area are a result of midblock crossings. This project will construct a signalized pedestrian crossing in order to provide a controlled crossing for pedestrians and bicyclists crossing this very busy street. This project is being completed in conjunction with the Scottsdale Rd Pedestrian and Bicycle Streetscape Project. Transportation had previously submitted and received an HSIP grant for funding construction of the signal; however the design of the signal was not able to be included with the streetscape project as originally planned. In order to avoid additional costs related to environment review; the design and construction of this signal is being proposed as a local project.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number		Estimated Start		Estimated Completion		
5410179		7/1/2021		8/30/2022		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$85,000	\$0	\$0	\$0	\$0	\$85,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$300,000	\$0	\$0	\$0	\$0	\$300,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$385,000	\$0	\$0	\$0	\$0	\$385,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$385,000	\$0	\$0	\$0	\$0	\$385,000
Total	\$385,000	\$0	\$0	\$0	\$0	\$385,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Street Grant Contingency

This project creates spending authority for grants or other funding that may become available during the fiscal year.

Photo Coming Soon

Project Priority Type

Asset Preservation

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.27 Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.

Project Number		Estimated Start			Estimated Completion	
5409854		Ongoing			Ongoing	
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Cash/Grant/Other	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						

Capital Improvements Program

Vision Zero Infrastructure Improvements

The Transportation Division has developed a Vision Zero Action Plan. The goal of the plan is to eliminate fatal and serious injury crashes on the City's transportation system. The Vision Zero Action Plan identifies specific strategies, including infrastructure improvements, that will reduce fatal and serious injury crashes. Projects that would be included in FY21/22 are the review and installation of signing and markings in school zones, signal visibility improvements, and installation of left turn signals at approximately 10 intersections. Based on current high severity crash data, projects that would be included in future fiscal years include design and construction for safety improvements on Southern Avenue from the Loop 101 to the City of Mesa Border, Scottsdale Road from Loop 202 to Curry Road, and Baseline Road from Kyrene Road to Lakeshore Drive.



Project Priority Type

Public Health and Safety

Primary City Council Priority and Performance Measure Addressed



Safe & Secure Communities 1.08 Achieve a reduction in the number of fatal and serious injury crashes to zero.

Project Number	Estimated Start			Estimated Completion		
5410189	7/1/2020			6/30/2025		
Estimated Project Costs	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
Legal / Administration	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Permit / Agency Fees	\$0	\$0	\$0	\$0	\$0	\$0
Water / Sewer Development Fees	\$0	\$0	\$0	\$0	\$0	\$0
Design & Engineering	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Survey / Staking	\$0	\$0	\$0	\$0	\$0	\$0
Inspection & Construction Management	\$0	\$0	\$0	\$0	\$0	\$0
Geotech / Material Testing	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Construction / Installation / Improvement	\$200,000	\$0	\$0	\$1,000,000	\$200,000	\$1,400,000
Furnishings / Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Utility Relocation Fees/Undergrounding	\$0	\$0	\$0	\$0	\$0	\$0
ADA Accessibility	\$0	\$0	\$0	\$0	\$0	\$0
ITD / Telecommunications	\$0	\$0	\$0	\$0	\$0	\$0
Non-G.O. Bond Eligible Costs	\$0	\$0	\$0	\$0	\$0	\$0
Other Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$250,000	\$0	\$0	\$1,000,000	\$200,000	\$1,450,000
Funding Sources	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
General Obligation Bonds	\$250,000	\$0	\$0	\$100,000	\$200,000	\$550,000
Federal Safety Grant (HSIP)	\$0	\$0	\$0	\$900,000	\$0	\$900,000
Total	\$250,000	\$0	\$0	\$1,000,000	\$200,000	\$1,450,000
Operating Impacts	2021-22	2022-23	2023-24	2024-25	2025-26	Total 5 -Year
None						